OAR 64-1

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OAR 64-1

OAR cumulative index of RESEARCH RESULTS

January 1959 • December 1962

OFFICE of AEROSPACE RESEARCH
United States Air Force

OAR cumulative index of

RESEARCH RESULTS

January 1959 – December 1962

OFFICE OF AEROSPACE RESEARCH
United States Air Force

FOREWORD



The Office of Aerospace Research is acutely aware of the urgent need to expedite the exchange of scientific and technical information within the DoD and between DoD elements and the scientific community. Personal contact has long been one of the best media for such interchange. In certain cases, this is all that is needed. But in other cases, in view of the rapidly increasing quantity of information, personal contact is not enough to meet the requirements for effective communication.

The publication of this index is an additional attempt to accelerate the interchange of scientific and technical information between scientist and scientist, and between the researcher and the user. It can hardly begin to relate the story of OAR research, both past and present. But it is a part of that story, presented in the continuing tradition of making available to all who can use them the results of OAR research efforts. We hope that you will find it useful.

Don R. Ostrander

DON R. OSTRANDER
Major General, USAF
Commander
Office of Aerospace Research

INTRODUCTION

The OAR Cumulative Index of Research Results, 1959-1962 is designed:

- to identify all technical reports produced and published by the various organizations within the Office of Aerospace Research from January 1959 through December 1962.
- to provide a record of the results of research conducted and sponsored by each OAR organization during this same period.
- to furnish a ready reference for the identification of technical reports produced by particular authors or contractors, or under certain contracts, grants or projects.

Previously, OAR had published the OAR Index of Research Results, a quarterly which was discontinued with the July-September 1962 issue. This present OAR Cumulative Index not only includes the remaining three months of 1962, but also provides a retrospective reference for the preceding four-year period. Beyond that, it will be followed by an OAR Index of Research Results, 1963 and, effective 1 January 1964, by an OAR Quarterly Index of Current Research Results. The latter will be prepared and published on a quarterly basis, with the last quarterly of each year containing an annual cumulative index.

The OAR Cumulative Index is divided into several parts beginning with a bibliography of the published results of both OAR-conducted and sponsored research for the four-year period. This bibliography is organized into sections by monitoring organizations. Within each section, the technical reports are arranged alpha-numerically according to the report number assigned by each organization. (These report numbers will show various prefixes reflecting changing organizational structures during the reporting period.) Each bibliographic entry includes the following information (if available and applicable): the report number; corporate author; title and date; the security classification (if classified); the name(s) of the author(s); the principal investigator (indicated by "P.I." if not one of the authors); the Defense Documentation Center accession (AD) number; the contract or grant number; and the project and task numbers. Several indexes follow the bibliography and are keyed to it by the report numbers. These are: an author index; a corporate-author index; a contract/grant number index; a project-number index; and a KWIC (Key-Words-In-Context) index of the report titles.

Every effort has been made to include all research results published during the years 1959-1962 (both in-house and contractor technical reports and journal articles) as well as other research products which are not technical reports per se but have resulted wholly or in part from OAR support (translations, monographs, symposia proceedings, state-of-the-art studies, reviews and textbooks). In compiling the bibliography, it was necessary to search old records, reports, and catalog cards maintained in varying degrees of completeness and accuracy by the different organizations. We do not presume to have found every report. Obviously, there are many omissions in the numerically listed report numbers. In most cases this is due to some numbers not having been utilized by a division or laboratory from preassigned blocks of numbers. Occasionally, also, a particular report was assigned a number but, for one reason or another, the report was never published. We do feel, however, that very few technical reports have been overlooked.

Any questions concerning this publication, or suggestions for improving subsequent indexes of research results, should be directed to the Office of Scientific and Technical Information (RRYC), Hq Office of Aerospace Research, USAF, 4th and Independence, S.W., Washington, D.C. 20333.

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WADC TN 59-299
SYRACUSE UNIVERSITY
ENERGY DISTRIBUTION OF ELECTRONS FROM IONIZING COLLISIONS OF HEAVY PARTICLES 15 JULY 1959
BY BERRY H W DDC NR,
CONTRACT NR, AF 33(616)-5761
PROJ/TASK NR, 7073-03

WADC TN 59-298
INDIANA, UNIVERSITY OF
AN EXPERIMENTAL INVESTIGATION ON THE CHEMISTRY AND INTERCONVERSION OF BORON HYDRIDES JULY 1959
BY SCHAEFFER, R DDC NR, 232892
CONTRACT NR, AF 33(616)-5827
PROJ/TASK NR, 7313-04

WADC-TN-59-305
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
3, 3', 4', 5, 7-PENTAHYDROXYFLAVANONE AS A REAGENT FOR SPECTROPHOTOMETRIC DETERMINATION OF MOLYBDENUM IN STEEL, JULY 1959
BY CHAN, F L DDC NR, 233396
MOSHIER, R W CONTRACT NR,
PROJ/TASK NR, 7023-70327

WADC-TN-59-269
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A BLUNT TRAILING EDGE SUPERSONIC COMPRESSOR BLADING,
BY JOHNSON, F G DDC NR,
VON OHAIN, H CONTRACT NR,
LAWSON, H O PROJ/TASK NR, 7063-70151
CRAMER, E R

WADC TN 59-280
OHIO STATE UNIVERSITY
THE OSU TWELVE INCH HYPERSONIC WIND TUNNEL SYSTEM AUGUST 1959
BY LEE J D DDC NR, 227609
CONTRACT NR, AF 33(616)-5993
PROJ/TASK NR, 7069-01

WADC TN 59-290
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
LIGHT AMPLIFICATION AND ITS USEFULNESS IN ASTRONOMICAL OBSERVATIONS NOVEMBER 1960
BY GEBEL, R E H DDC NR, 269892
CONTRACT NR,
PROJ/TASK NR, 7072-70827

WADC TN 59-308
POLYTECHNIC INSTITUTE OF BROOKLYN
SOME HEAT TRANSFER PROBLEMS IN HYPERSONIC FLOW JULY 1959
BY FERRI A DDC NR, 226644
CONTRACT NR, AF 33(616)-6118
PROJ/TASK NR, 7064-01

WADC TN 59-309
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
TRANSISTORIZED VIBRATOR, 1959
BY YANG, M H DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7072-70827

WADC TN 59-312
POLYTECHNIC INSTITUTE OF BROOKLYN
HIGH SPEED VISCOUS CORNER FLOW OCTOBER 1959
BY BLOOM M H DDC NR, 227030
RUBIN S CONTRACT NR, AF 33(616)-6118
FERRI A(PI) PROJ/TASK NR, 7064-01

WADC TN 59-319
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
A HAZE-METER, OCTOBER 1959
BY YANG, M H DDC NR, 236554
CONTRACT NR,
PROJ/TASK NR, 7072-70827

WADC TN 59-328
OHIO STATE UNIVERSITY
RESEARCH ON COMBUSTION PHENOMENA AT HIGH PRESSURES JANUARY 1959
BY EDSE, R DDC NR,
STRAUSS, W A CONTRACT NR, AF 33(616)-5439
FONG, M C PROJ/TASK NR, 7013-70931

WADC TN 59-330
GEORGIA INSTITUTE OF TECHNOLOGY
THE EFFECTS OF RESONANT ACOUSTIC VIBRATIONS ON HEAT TRANSFER TO AIR IN HORIZONTAL TUBES JUNE 1959
BY SPURLOCK J DDC NR, 231656
JACKSON T CONTRACT NR, AF 33(616)-5742
PURDY E PROJ/TASK NR, 7064-01
OLIVER C
JOHNSON H

WADC TN 59-334
POLYTECHNIC INSTITUTE OF BROOKLYN
BOUNDARY LAYER OVER A FLAT PLATE IN SHEAR FLOW OCTOBER 1959
BY LU TING DDC NR, 227061
FERRI A(PI) CONTRACT NR, AF 33(616)-6118
PROJ/TASK NR, 7064-01

WADC TN 59-335
CORNELL AERONAUTICAL LAB
HYPERSONIC SHOCKLAYER THEORY OF THE YAWED CONE AND OTHER THREE-DIMENSIONAL POINTED BODIES
BY CHENG H K DDC NR, 228179
WITTLIFF C E(PI) CONTRACT NR, AF 33(616)-6025
PROJ/TASK NR, 7064-01

WADC-TN-59-338
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
EFFECTS OF SMALL CHANGES IN POSITION AND VELOCITY AT BURNOUT ON THE ORBIT OF A BALLISTIC MISSILE, OCTOBER 1959
BY PERRET, E P DDC NR,
CORBIN, JR, J C CONTRACT NR,
PROJ/TASK NR, 7021

WADC TN 59-352
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
MAGNETIC SHOES FOR HUMAN ORIENTATION IN SPACE FEBRUARY 1960
BY NICHOLSON, J F DDC NR, 236362
NAAS, D W CONTRACT NR,
PROJ/TASK NR, 7021

WADC-TN-59-369
BROWN UNIVERSITY
ON THE INFLUENCE OF VISCOSITY AND HEAT CONDUCTION ON THE GAS FLOW BEHIND A STRONG SHOCK WAVE
BY SEDOV L I DDC NR, 227611
MICHAILOVA M I CONTRACT NR, AF 33(616)-5442
CHERNYL G G PROJ/TASK NR, 7064-01
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WADC TN 59-357
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE INFLUENCE OF VERTICAL VIBRATIONS ON THE RATE OF HEAT TRANSFER FROM A HORIZONTAL CYLINDER IN AIR OCTOBER 1959
BY TELERI C DDC NR,
FAND R M CONTRACT NR, AF 33(616)-5076
KAYE J PROJ/TASK NR, 7063-01

WADC TN 59-358
THIOKOL CHEMICAL CORP
U STUDYING THE MECHANICS OF BORIC OXIDE CONDENSATION
NOVEMBER 1959 CONFIDENTIAL
BY MACATICIAN J DDC NR, 316659
SPAWARS T CONTRACT NR, AF 33(616)-5971
PROJ/TASK NR, 3048-70321

WADC TN 59-377
OHIO STATE UNIVERSITY
FEASIBILITY STUDY OF THE USE OF DECOMPOSED NITROUS OXIDE
IN HYPERSONIC WIND TUNNEL SEPTEMBER 1959
BY THOMAS R F DDC NR, 231159
LEE J D(PI) CONTRACT NR, AF 33(616)-5593
PROJ/TASK NR, 7064-01

WADC TN 59-389
ILLINOIS UNIVERSITY OF
CRACK PROPAGATION IN THIN METAL SHEET UNDER REPEATED LOADIN
DECEMBER 1959
BY LIU, H W DDC NR,
SINCLAIR, G M(PI) CONTRACT NR, AF 33(616)-5193
PROJ/TASK NR, 7026-01

WADC TN 59-394
ILLINOIS, UNIVERSITY OF
AN ANALYSIS OF THE TIME AND TEMPERATURE DEPENDENCE OF THE
UPPER YIELD POINT IN IRON NOVEMBER 1959
BY BENNETT, R E DDC NR, 236975
SINCLAIR, G M(PI) CONTRACT NR, AF 33(616)-5193
PROJ/TASK NR, 7026-01

WADC TN 59-398
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
AN EXPERIMENTAL STUDY OF A VORTEX CHAMBER FLOW
BY HOLMAN, J P DDC NR, 238036
MOORE, G D CONTRACT NR,
PROJ/TASK NR, 7064-70138

WADC TN 59-391
OHIO STATE UNIVERISTY
MECHANISM AND KINETICS OF THE ALLOTROPIC TRANSFORMATION IN
PURE IRON AND CERTAIN IRON BINARY ALLOYS FEBRUARY 1960
BY SPRETNAK, J W DDC NR, 238600
CONTRACT NR, AF 33(616)-6109
PROJ/TASK NR, 7021-06

WADC TN 59-396
ALFRED UNIVERISTY
THE HOT PRESSING OF FINE GRAINED CERAMIC OXIDES FOR USE IN
THERMAL CONDUCTIVITY STUDIES FEBRUARY 1960
BY FRANCIS, R E DDC NR, 236726
SWICA, J J CONTRACT NR, AF 33(616)-6198
TRUESDALE, R S PROJ/TASK NR, 7022-02
TINKLEPAUGH, J R

WADC TN 59-406
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
ASTRONOMICAL OBSERVATIONS BY MEANS OF HIGHLY SENSITIVE
ELECTRONIC LIGHT INTENSIFICATION MARCH 1960
PHIL J SCI VOL 88 (A) 345-358 (1960)
BY GEBEL, R E M DDC NR,
DEVOL, L CONTRACT NR,
WYLIE, L R PROJ/TASK NR, 7072-70827

WADC TN 59-407
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
EFFECT OF CIS-TRANS ISOMERISM ON THE UREA INCLUSION
COMPOUND FORMING ABILITY OF A MOLECULE A STUDY OF THE
MALEATE - FUMARATE SYSTEM, FEB 1960.
PRES THE XVIIITH INTERN CONG OF PURE AND APPL CHEM,
MONTREAL, CANADA, 6-12 AUG 61, P. 67.
BY CONNOLLY, J W DDC NR, 236266
RADELL, J CONTRACT NR,
COSGROVE, JR, W R PROJ/TASK NR, 7013-70355

WADC TN 59-409
RUTGERS UNIVERSITY
THE THEORY OF RECONNAISSANCE DECEMBER 1960
BY DANSEIN, I M DDC NR,
CONTRACT NR, AF 33(616)-5310
PROJ/TASK NR, 7071-70430

WADC TN 60-106
ILLINOIS, UNIVERSITY OF
THE INFLUENCE OF DOUBLE LAYER STRUCTURE OF THE ADSORPTION
ISOTHERM OF PALMITIC ACID JULY 1960
BY LAITINEN, H A DDC NR,
SCARP, R F CONTRACT NR, AF 33(616)-5466
PROJ/TASK NR, 7022-01

WADC TR 59-7
MARTIN COMPANY
THEORETICAL AND EXPERIMENTAL STUDIES OF THE STRESSES AND
STRAINS AROUND CUTOUTS IN LOADED, UNEVENLY HEATED PLATES
MARCH 1959
BY VAN DER MAAS C J DDC NR, 212565
HUANG P C CONTRACT NR, AF 33(616)-1617
PROJ/TASK NR, 7063-70527

WADC TR 59-6
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
REAL GAS FLOW TABLES FOR NON-DISASSOCIATED AIR
BY KAUFMAN, L G DDC NR, 209588
CONTRACT NR,
PROJ/TASK NR, 7064-70135

WADC TR 59-4
OHIO STATE RESEARCH FOUNDATION
A PLASMA PROJECTING DEVICE MARCH 1959
BY POOL, M L DDC NR, 212916
CONTRACT NR, AF 33(616)-5009
PROJ/TASK NR, 777A

WADC TR 59-9
CURTISS-WRIGHT CORP
FLIGHT TEST INSULATION STUDIES FEBRUARY 1959
BY NOREM A G DDC NR, 208126
CONTRACT NR, AF 33(616)-5152
PROJ/TASK NR, 7061-02

WADC TR 59-12
OHIO STATE UNIVERSITY
INVESTIGATION OF LIQUID NITRIC OXIDE AS A ROCKET PROPELLEN
BY ROLLEFSON, L L DDC NR, 208127
EDSE R CONTRACT NR, AF 33(616)-5415
PROJ/TASK NR, 7064-01

WADC TR 59-16
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
TRANSIENT HEAT TRANSFER IN LAMINAR FLOW IN THE ENTRANCE
REGION OF TUBES WITH HEAT CAPACITY JANUARY 1959
BY APPIELL, V S DDC NR, 210677
CONTRACT NR, AF 33(616)-5415
PROJ/TASK NR, 7064-70118

WADC TR 59-17
ELECTRO-OPTICAL SYSTEMS INC
ANALYSIS OF SOLAR ENERGY CONVERSION TECHNIQUES VOL I PART I
CONCLUSIONS AND RECOMMENDATIONS AND PART II SUBJECT INDEX
20 FEBRUARY 1959
BY FISHER J H DDC NR, 210611
CONTRACT NR, AF 33(616)-5584
PROJ/TASK NR, 7116-70189

WADC TR 59-17
ELECTRO-OPTICAL SYSTEMS INC
ANALYSIS OF SOLAR ENERGY CONVERSION TECHNIQUES VOLII PART I
TECHNICAL ANALYSIS SECTIONS 1 THROUGH 6 FEBRUARY 1959
BY FISHER J H DDC NR, 220300
CONTRACT NR, AF 33(616)-5584
PROJ/TASK NR, 7116-70189

WADC TR 59-17
ELECTRO-OPTICAL SYSTEMS INC
U ANALYSIS OF SOLAR ENERGY CONVERSION TECHNIQUES VOL III
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BY FISHER J H DDC NR, 209779
CONTRACT NR, AF 33(616)-5584
PROJ/TASK NR, 7116-70189

WADC TR 59-17
ELECTRO-OPTICAL SYSTEMS INC
U ANALYSIS OF SOLAR ENERGY CONVERSION TECHNIQUES VOL IV
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REQUIREMENTS FEBRUARY 1959
BY FISHER J H DDC NR, 212076
CONTRACT NR, AF 33(616)-5584
PROJ/TASK NR, 7116-70189

WADC TR 59-26
POLYTECHNIC INSTITUTE OF BROOKLYN
STUDIES IN THE REACTIONS OF HIGH ENERGY ATOMS AND
MOLECULES JANUARY 1959
BY MARCUS R A DDC NR, 209531
CONTRACT NR, AF 33(616)-3887
PROJ/TASK NR, 7073-70352

WADC TR 59-31
TEXAS NUCLEAR CORP
INTERACTION OF FAST NEUTRONS IN IRON, LEAD, OXYGEN AND
NITROGEN FEBRUARY 1959
BY ROSTROM, N A DDC NR, 210852
CONTRACT NR, AF 33(616)-5111
PROJ/TASK NR, 7112-70716

WADC TR 59-40
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
EFFECTS OF GAS MOTION ON HETEROGENEOUS COMBUSTION NATURAL
CONVECTION, STANDING ACOUSTIC WAVES, AND SHOCK WAVES FINAL
SUMMARY REPORT APRIL 1959
BY WERNER, W T DDC NR, 228500
LAWHEAD, R B(PI) CONTRACT NR, AF 33(616)-5558
PROJ/TASK NR, 3058-70178

WADC TR 59-42
INDIANA UNIVERSITY
A MATHEMATICAL EXAMPLE DISPLAYING FEATURES OF TURBULENCE
BY BUTLER, T DDC NR, 213990
CONTRACT NR, AF 33(616)-2559
PROJ/TASK NR, 7071

WADC TR 59-75
CORNELL AERONAUTICAL LABORATORY
RESEARCH ON ROTATING STALL IN AXIAL FLOW COMPRESSORS
PART I ON LIFT HYSTERESIS AT MAXIMUM LIFT INCLUDING EFFE T
OF CAMBER JANUARY 1959
BY MARTUNIAN M A DDC NR, 216351
MOORE F K(PI) CONTRACT NR, AF 33(616)-3556
PROJ/TASK NR, 3066

WADC TR 59-75
CORNELL AERONAUTICAL LABORATORY
RESEARCH ON ROTATING STALL IN AXIAL FLOW COMPRESSORS
PART II ON THE SEPARATION OF THE UNSTEADY LAMINAR
BOUNDARY LAYER JANUARY 1959
BY MARTUNIAN M A DDC NR, 216302
MOORE F K CONTRACT NR, AF 33(616)-3556
PROJ/TASK NR, 3066

WADC TR 59-75
CORNELL AERONAUTICAL LABORATORY
RESEARCH ON ROTATING STALL IN AXIAL FLOW COMPRESSORS
PART III EXPERIMENTS ON LAMINAR SEPARATION FROM A
MOVING WALL JANUARY 1959
BY VIDAL R J DDC NR, 216303
MOORE F K(PI) CONTRACT NR, AF 33(616)-3556
PROJ/TASK NR, 3066

WADC TR 59-75
CORNELL AERONAUTICAL LABORATORY
RESEARCH ON ROTATING STALL IN AXIAL FLOW COMPRESSORS
PART IV A PRELIMINARY STUDY OF THREE-DIMENSIONAL ROTATING
STALL JANUARY 1959
BY MOORE F K DDC NR, 216304
CONTRACT NR, AF 33(616)-3556
PROJ/TASK NR, 3066

WADC-TR-59-110
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
SYNTHESIS, PROPERTIES AND COMPLEX FORMATION OF FLUORINATED COMPOUNDS, MARCH 1959
BY RADELL, J DDC NR, 211656
CONNOLLY, J CONTRACT NR,
PROJ/TASK NR, 7019-70355

WADC TR 59-147
EVANS RESEARCH AND DEVELOPMENT CORP
DETERMINATION OF SURFACE FREE ENERGY OF METALS AND POLYMERS APRIL 1959
BY LEVINE, S Z DDC NR, 211921
HARGOOD, J CONTRACT NR, AF 33(616)-3567
ULLMAN, A PROJ/TASK NR, 7360

WADC TR 59-166
BATTELLE MEMORIAL INSTITUTE
AERODYNAMIC HEATING OF IRON METEORITES DURING ENTRY INTO THE ATMOSPHERE APRIL 1959
BY MARINGER, R E DDC NR, 212579
WARNING, G A CONTRACT NR, AF 33(616)-5080
PROJ/TASK NR, 7021-70669

WADC TR 59-172
CASE INSTITUTE OF TECHNOLOGY
HYDROGEN EMBRITTLEMENT IN STEELS, TITANIUM ALLOYS, AND SEVERAL FACE-CENTERED CUBIC ALLOYS MAY 1959
BY TROIANO, A R DDC NR, 229666
CONTRACT NR, AF 33(616)-3691
PROJ/TASK NR, 7021-70669

WADC TR 59-207
MICHIGAN UNIVERSITY OF
THE CHEMISTRY OF BORON HYDRIDES AND RELATED HYDRIDES MAY 1959
BY PARRY R W DDC NR, 227291
TAYLOR R C CONTRACT NR, AF 33(616)-3369
NORDMAN C E PROJ/TASK NR, 7048-70321
KODAMA G
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WADC TR 59-222
MINNESOTA, UNIVERSITY OF
PRESSURE DROP AND HEAT TRANSFER IN A DUCT WITH A TRIANGULAR CROSS SECTION APRIL 1959
BY ECKERT, E R G DDC NR, 219612
IRVINE JR, T F CONTRACT NR, AF 33(616)-3859
PROJ/TASK NR, 7064-70130

WADC TR 59-258
BATTELLE MEMORIAL INSTITUTE
THE EFFECTS OF SOLUTE ELEMENTS ON THE STRENGTH PROPERTIES OF IRON AND COBALT BASE ALLOYS JUNE 1959
BY UNDERWOOD, E E DDC NR, 219632
CONTRACT NR, AF 33(616)-5652
PROJ/TASK NR, 7029

WADC TR 59-265
ANDERSON CHEMICAL COMPANY
RESEARCH OR PREPARATION OF POLYMERIC COMPOUNDS OF ARYLATED SILANES JULY 1959
BY ANDERSON, A R DDC NR, 227559
SMITH W F CONTRACT NR, AF 33(616)-3263
PROJ/TASK NR, 7029-70317

WADC TR 59-276
PENNSYLVANIA UNIVERSITY OF
INVESTIGATION OF THE THERMAL STABILITY OF PORPHYRINS MAY 1959
BY HAZEL J F DDC NR, 220746
MCNABB WM CONTRACT NR, AF 33(616)-5637
GEORGE P PROJ/TASK NR, 7029-70349
BARTER R A
GOLDSTEIN J H

WADC TR 59-278
NATIONAL BUREAU OF STANDARDS
FACTORS CONTROLLING RESISTANCE TO DEFORMATION AND MECHANICAL FAILURE IN POLYCRYSTALLINE (GLASS-FREE) CERAMICS MAY 1959
BY WACHTMAN, JR J B DDC NR, 228236
TEFFT, W E CONTRACT NR, AF 33(616)-56-4
LAM, JR D G PROJ/TASK NR, 7021-70627
STICHFIELD, R P

WADC TR 59-279
GENERAL ELECTRIC COMPANY
THE ROLE OF POLYGONIZATION IN CREEP OCTOBER 1959
BY GUARD, R W DDC NR, 230360
CONTRACT NR, AF 33(616)-3263
PROJ/TASK NR, 7351

WADC TR 59-285
MINNESOTA UNIVERSITY OF
EXPERIMENTAL INVESTIGATION OF LAMINAR HEAT TRANSFER WITH NONUNIFORM SURFACE TEMPERATURE AT M = 6.9 JUNE 1959
BY DECOURSIN, D G DDC NR, 216300
LARSON, R E CONTRACT NR, AF 33(616)-3058
HELM, R C PROJ/TASK NR, 7064-70130
ECKERT, E R G (CPL.)

WADC TR 59-286
ARMOUR RESEARCH FOUNDATION
EFFECTS OF NUCLEAR RADIATION ON SOLID CATALYSIS JUNE 1959
BY BRAGG, R H DDC NR, 228231
MORRITZ, F L CONTRACT NR, AF 33(616)-5004
HOLTZMAN, R PROJ/TASK NR, 7021
PENG, R Y
PIZZARELLO, F

WADC TR 59-288
PHYSICS, ENGINEERING, CHEMISTRY CORP
SINGULAR DIFFERENTIAL BOUNDARY PROBLEMS FOR A FOURIER TYPE IN APRIL 1959
BY MCKELVEY, R W DDC NR, 231287
CONTRACT NR, AF 33(616)-5669
PROJ/TASK NR, 7071

WADC TR 59-291
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
ION ROCKET RESEARCH DEVICE
BY BODEN, R H DDC NR, 210310
CONTRACT NR, AF 33(616)-5927
PROJ/TASK NR, 7116-70192

WADC TR 59-296
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE PLASTIC DEFORMATION OF CHROMIUM AT LOW TEMPERATURES JUNE 1959
BY MARCINKOWSKI, M DDC NR, 210360
CONTRACT NR,
PROJ/TASK NR, 7024-70667

WADC TR 59-319
PHYSICS, ENGINEERING, CHEMISTRY CORP
A SINGULAR DIFFERENTIAL BOUNDARY PROBLEM APRIL 1959
BY SHOTWELL, D A DDC NR, 231636
MCKELVEY, R W(PI) CONTRACT NR, AF 33(616)-5669
PROJ/TASK NR, 7071

WADC TR 59-360
EAGLE PICHER COMPANY
RESEARCH AND CRYSTAL GROWTH FROM CADMIUM SULFIDE JUNE 1959
BY MEDCALF, W F DDC NR, 228603
CONTRACT NR, AF 33(616)-5910
PROJ/TASK NR, 7116-70715

WADC TR 59-361
UTAH, UNIVERSITY OF
A SURVEY OF HIGH PRESSURE EFFECTS ON SOLIDS OCTOBER 1960
BY BAKER, G S DDC NR, 267267
GIBBS, P CONTRACT NR, AF 33(616)-5018
PROJ/TASK NR, 7021-01

WADC TR 59-395
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
ON THE STABILITY OF ONE-DIMENSIONAL VISCOUS FLOWS SOUND WAVES AND SHOCK WAVES
BY KAUFMAN, III, L G DDC NR, 229652
MORDUCHOW, M CONTRACT NR,
PROJ/TASK NR, 7064-70139

WADC TR 59-396
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
CONSERVATION LAWS AND EQUATIONS OF MOTION JULY 1959
LES THEORIES RELATIVISTES DE LA GRAVITATION, EDITIONS DU CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, PARIS, FRANCE (1962)
BY GOLDBERG, J N DDC NR, 226381
CONTRACT NR,
PROJ/TASK NR, 7116-70709

WADC TR 59-419
NATIONAL BUREAU OF STANDARDS
GAMMA RADIATION OF FLUOROCARBON POLYMERS AND PROTOTYPE SUBSTANCES APRIL 1960
BY WALL L A DDC NR, 239085
FLORIN R E CONTRACT NR, AF 33(616)-57-16
BROWN D W PROJ/TASK NR, 7021-70367

WADC TR 59-466
CASE INSTITUTE OF TECHNOLOGY
HYDROGEN EMBRITTLEMENT IN TERMS OF MODERN THEORY OF FRACTUR AUGUST 1959
BY BLANCHARD P A DDC NR, 236656
TROIANO, A R CONTRACT NR, AF 33(616)-6619
PROJ/TASK NR, 7021-01

WADC TR 59-469
CASE INSTITUTE OF TECHNOLOGY
THE LOWER CRITICAL STRESS FOR DELAYED FAILURE AUGUST 1959
BY STEIGERWALD, E A DDC NR, 236655
SCHALLER, F W CONTRACT NR, AF 33(616)-6619
TROIANO, A R PROJ/TASK NR, 7021-01

WADC TR 59-650
CORNELL AERONAUTICAL LAB
THE INFLUENCE OF GAS DISSOCIATION ON HEAT TRANSFER JUNE 1959
BY APAL DDC NR, 237070
THIEVON CONTRACT NR, AF 33(616)-5161
STERRUTZEL PROJ/TASK NR, 7064

WADC TR 59-686
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A REVIEW OF THE LITERATURE OF PLASMA PHYSICS JULY 1959
PART I
BY COVERT, E E DDC NR, 227556
E PREV, E CONTRACT NR, AF 33(616)-5691
MARSHAM J R(PI) PROJ/TASK NR, 7071-02

WADC TR 59-696
MARYLAND UNIVERSITY OF
PREPARATION AND PROPERTIES OF SOME POLYPHENYLS SEPTEMBER 1959
BY WOODS G F DDC NR, 231873
CONTRACT NR, AF 33(616)-5069
PROJ/TASK NR, 7021-70317

WADC-TR-59-697
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PERARYLATED SILANES, IDENTIFICATION BY X-RAY DIFFRACTION POWDER PATTERNS,
BY CHAN, F L DDC NR, 229868
SPLATER, CONTRACT NR,
PROJ/TASK NR, 7029-70327

WADC-TR-59-933
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
X-RAY POWDER PATTERNS AND INDEX METAL COMPOUNDS M-BENZOYL-N PHENYLHYDROXYLAMINE, SEPTEMBER 1959
BY CHAN, F L DDC NR, 231658
MOSHIER, R W CONTRACT NR,
PROJ/TASK NR, 7029-70327

WADC TR 59-539
CINCINNATI UNIVERSITY OF
THE SYSTEM TITANIUM-ZIRCONIUM-OXYGEN JULY 1959
BY HOCH, M — DDC NR. 232887
DEAN, R L — CONTRACT NR. AF 33(616)-3881
HWU, C K — PROJ/TASK NR. 7022
WOLOSIN, S H

WADC TR 59-567
FRANKLIN INSTITUTE
SINGLE DOMAIN CRITERIA AND THEIR IMPLICATIONS OCTOBER 1959
BY AHAR, M — DDC NR. 239602
SMITH, R L(P.I.) — CONTRACT NR. AF 33(616)-5041
PROJ/TASK NR. 7021-70651

WADC TR 59-560
BATTELLE MEMORIAL INSTITUTE
A KINETIC STUDY OF THE THERMAL DECOMPOSITION OF TETRAPHENYSILANE, TRIPHENYLPHOSPHINE, DIPHENYL SULFIDE, DIPHENYL SULFOXIDE AND DIPHENYL SULFONE, OCTOBOR 1959
BY LEVY, A — DDC NR. 233656
AMBROSE, C J — CONTRACT NR. AF 33(616)-5217
PROJ/TASK NR. 7023-70317

WADC TR 59-570
NEW YORK UNIVERSITY
STOICHIOMETRY AND ELECTRONIC PROPERTIES OF PBTE, JULY 1960
BY MILLER, E — DDC NR. 246593
KAMARER, K K — CONTRACT NR. AF 33(616)-3883
CADOFF, I — PROJ/TASK NR. 7021-70661
BARTH T F W(P.I.)

WADC TR 59-622
OKLAHOMA STATE UNIVERISTY
RESEARCH TO INVESTIGATE AND USE A NEW SYNTHETIC REACTION FOR THE PROPARATION OF POLYMERIC ARENESULFONAMIDES SEPTEMBER 1959
BY EDMISON, M T — DDC NR.
DERMER, O C — CONTRACT NR. AF 33(616)-5278
DAVIS, W — PROJ/TASK NR. 7023-70317

WADC TR 59-624
MINNESOTA UNIVERSITY OF
SURVEY OF BOUNDARY LAYER HEAT TRANSFER AT HIGH VELOCITIES AND HIGH TEMPERATURES APRIL 1960
BY ECKERT, E R G — DDC NR. 238292
CONTRACT NR. AF 33(616)-5676
PROJ/TASK NR. 7064-70138

WADC-TR-59-639
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
LIQUID-SOLID EQUILIBRIA IN BINARY PENARYLATED SILANE SYSTEMS, MARCH 1960
BY FISCHER, D — DDC NR. 235992
SPIALTER, L — CONTRACT NR.
PROJ/TASK NR. 7023-70317

WADC TR 59-640
GENERAL MILLS
ELECTRON MIRROR MICROSCOPY IN MAGNETIC AND METALLURGICAL STUDIES OCTOBER 1959
BY MAYER, L — DDC NR. 236031
CONTRACT NR. AF 33(616)-3852
PROJ/TASK NR. 7021-70651

WADC TR 59-658
NATIONAL BUREAU OF STANDARDS
VELOCITY MEASUREMENTS FLAME-SPRAYED ALUMINUM OXIDE PARTICLES (PHASE I OF A BASIC STUDY OF PARTICLE-IMPACT PROCESSES FOR APPLYING CERAMIC AND CERMET COATINGS) OCTOBER 1959 PART I
BY MOORE, D G — DDC NR. 235924
MAYES JR, W D — CONTRACT NR. AF 33(616)-58-19
CRIGLER, A W — PROJ/TASK NR. 7022-70664

WADC TR 59-659
ARKANSAS, UNIVERSITY OF
USE OF RADIOACTIVE IODINE VAPOR FOR DETERMINING SURFACE ROUGHNESS DECEMBER 1959
BY TESTERMAN, M K — DDC NR. 238027
CONTRACT NR. AF 33(616)-5541
PROJ/TASK NR. 7022-01

WADC-TR-59-672
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
UREA INCLUSION COMPOUNDS OF ACETYLENE DERIVATIVES, 1960
PRES 138TH MTG OF THE AMERICAN CHEM SOC, NEW YORK, N Y, 11-16 SEP 60, P 107P.
BY CONNOLLY, J W — DDC NR. 235926
RADELL, J — CONTRACT NR.
YUMAS, L D — PROJ/TASK NR. 7013-70355

WADC TR 59-708
CURTISS-WRIGHT CORP
HYPERSONIC FREE FLIGHT RESEARCH PART I INSTRUMENTATION EVALUATION AND DATA ANALYSIS JULY 1960
BY BURGGRAF O R — DDC NR. 246671
BOGLE R W(P.I.) — CONTRACT NR. AF 33(616)-5104
PROJ/TASK NR. 1366-70165

WADC TR 59-709
FRANKLIN INSTITUTE
MAGNETIC PROPERTIES OF SOME FERRITE MICROPOWDERS NOV 1959
BY BERKOWITZ, A E — DDC NR. 234658
SCHUELE, W J — CONTRACT NR. AF 33(616)-5041
SMITH R L(P.I.) — PROJ/TASK NR. 7021-70651

WADC-TR-59-710
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
TABLES RELATED TO AXIAL SYMMETRIC TRANSONIC FLOW PATTERNS, APRIL 1960
BY BLANCH, G — DDC NR. 238024
GUDERLEY K — CONTRACT NR.
VALENTINE, E M — PROJ/TASK NR. 7071-03

WADC TR 59-717
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
AN EXPERIMENTAL STUDY OF THE INTERACTION OF STRONG SOUND FIELDS WITH FREE CONVECTION BOUNDARY LAYERS
BY SPROTT, A R — DDC NR. 236027
HOLMAN, J P — CONTRACT NR.
DURAND F L — PROJ/TASK NR. 7064-70138

WADC TR 59-720
POLYTECHNIC INSTITUTE OF BROOKLYN
COMBUSTION INSTABILITY LIQUID STREAM AND DROPLET BEHAVIOR PART I EXPERIMENTAL AND THEORETICAL ANALYSIS OF EVAPORATING DROPLETS SEPTEMBER 1960
BY SCHUYLER F L — DDC NR.
CONTRACT NR. AF 33(616)-5163
PROJ/TASK NR. 7013-70179

WADC TR 59-720
POLYTECHNIC INSTITUTE OF BROOKLYN
COMBUSTION INSTABILITY LIQUID STREAM AND DROPLET BEHAVIOR, PART II EXPERIMENTAL AND THEORETICAL ANALYSIS OF SONIC OSCILLATIONS SEPTEMBER 1960
BY IMBER M — DDC NR.
SCHUYLER F L(PI) — CONTRACT NR. AF 33(616)-5163
PROJ/TASK NR. 7013-70179

WADC TR 59-720
POLYTECHNIC INSTITUTE OF BROOKLYN
COMBUSTION INSTABILITY LIQUID STREAM AND DROPLET BEHAVIOR PART III THE RESPONSE OF LIQUID JETS TO LARGE AMPLITUDE EVAPORATING DROPLETS SEPTEMBER 1960
BY REBA I — DDC NR.
BROSILOW C — CONTRACT NR. AF 33(616)-5163
PROJ/TASK NR. 7013-70179

WADC TR 59-771
TECHNICAL RESEARCH CORP
MONTE CARLO CALCULATIONS OF GAMMA RAY PENETRATION AUGUST 60
BY STEINBERY, H — DDC NR.
ARONSON, R — CONTRACT NR. AF 33(616)-6081
YARMUSH, D(P.I.) — PROJ/TASK NR. 7112-70717

WADC TR 59-772
TECHNICAL RESEARCH CORP
THE TRANSMISSION MATRIX METHOD FOR PENETRATION PROBLEMS AUGUST 1960
BY YARMUSH, D — DDC NR. 247765
ZELL, J — CONTRACT NR. AF 33(616)-6081
ARONSON, R — PROJ/TASK NR. 7112-70717

WADC TR 59-777
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE EFFECTS OF STORED ENERGY AND RECRYSTALLIZATION ON THE CREEP RUPTURE PROPERTIES OF INTERNALLY OXIDIZED COPPER-ALUMINA AND COPPERS-SILICA ALLOYS DECEMBER 1959
BY ADACHI, M — DDC NR. 238893
GRANT, N J — CONTRACT NR. AF 33(616)-5424
PROJ/TASK NR. 7021-70608

WADC TR 59-781
CHANCE-VOUGHT AIRCRAFT CORP
AN INVESTIGATION OF THE STATIC STABILITY CHARACTERISTICS OF FINLESS BLUFF BODIES OF REVOLUTION AT TRANSONIC SPEEDS JANUARY 1960
BY CLARKSON, M H — DDC NR.
FENTER, F W — CONTRACT NR. AF 33(616)-6731
DAMSTROM, E K — PROJ/TASK NR. 7063-70861

WADC TR 60-192
CATHOLIC UNIVERSITY OF AMERICA
PHOTOLYTIC REACTIONS OF HYDROZOIC ACID WITH HYDROCARBONS AUGUST 1960
BY RICE, F O — DDC NR. 246356
CONTRACT NR. AF 33(616)-6297
PROJ/TASK NR. 7013-70355

WADC TR 60-216
I T & T LABORATORIES
HIGH-SPEED IMAGE SHUTTER UNIT APRIL 1960
BY MAYLE L F — DDC NR.
SALINGER H W G(PI) — CONTRACT NR. AF 33(616)-6134
PROJ/TASK NR. 7073-70712

WADD TN 59-1
BROWN UNIVERSITY
ESTIMATION OF THE HEAT TRANSFER FROM THE REAR OF AN EMERGED BODY TO THE REGION OF SEPARATED FLOW JANUARY 1959 SUPERSEDED 62-423
BY RICHARDSON P — DDC NR. 239710
CONTRACT NR. AF 33(616)5756
PROJ/TASK NR. 7063-01

WADD TN 59-2
ILLINOIS, UNIVERSITY OF
THE STRAIN RATE AND TEMPERATURE DEPENDENCE OF THE DUCTILE BRITTLE TRANSITION IN MOLYBDENUM SUBJECTED TO TORSIONAL LOADING DECEMBER 1959
BY WEINSTEIN, D — DDC NR. 212565
SINCLAIR, G M — CONTRACT NR. AF 33(616)-5153
WERT, C A — PROJ/TASK NR. 7024-01

WADD TN 59-6
CORNELL AERONAUTICAL LAB
AN INVESTIGATION OF HEAT TRANSFER TO SLENDER CONES IN THE HYPERSONIC SHOCK TUNNEL
BY WITTLIFF C E — DDC NR. 258436
WILSON M R — CONTRACT NR. AF 33(616)-6025
PROJ/TASK NR. 7064-01

WADD TN 60-1
VIDYA INC
AERODYNAMIC APPLICATIONS OF PLASMA WIND TUNNELS DECEMBER 1960
BY STADLER J R — DDC NR. 250265
GOODWIN F K — CONTRACT NR. AF 33(616)-6704
RAGENT B — PROJ/TASK NR. 7063-01
NOBLE C E

WADD TN 60-20
RCA LABORATORIES
THE LOW LIGHT LEVEL PERFORMANCE OF THE INTENSIFIED ORTHICON
BY MORTON, G A — DDC NR.
RUEDY, J E — CONTRACT NR. AF 33(616)-3946
PROJ/TASK NR. 7172-70827

WADD TN 60-23
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
SOME COMMENTS ON PUMP CAVITATIONS RESEARCH JUNE 1960
BY ACOSTA, A J — DDC NR.
WISLICENUS, G E — CONTRACT NR. AF 33(616)-5785
MACGREGOR, C A(P.I.) — PROJ/TASK NR. 7063-70151

WADD-TN-60-24
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE EFFECTS OF FLOW OBSTRUCTIONS ON AN OSCILLATING FREE CONVECTION BOUNDARY LAYER ON A HEATED VERTICAL PLATE, OCTOBER 1960
BY HOLMAN, J P — DDC NR. 249380
STOUT, K E — CONTRACT NR.
SOEHNGEN, E E — PROJ/TASK NR. 7064-70138

WADD TN 60-28
CHICAGO, UNIVERSITY OF
RADIOLYSIS OF METHANOL ADSORBED IN A SYNTHETIC ZEOLITE--- ENERGY TRANSFER EFFECTS JUNE 1960
BY BROWN, W G — DDC NR.
KRIZEK, H E — CONTRACT NR. AF 33(616)-3875
PROJ/TASK NR. 7023-03

WADD TN 60-54
POLYTECHNIC INSTITUTE OF BROOKLYN
HEAT TRANSFER AT A CORNER FEBRUARY 1960
BY ZAKKAY V — DDC NR. 234525
FERRI A(PI) — CONTRACT NR. AF 33(616)-6118
PROJ/TASK NR. 7064-01

WADD TN 60-57
BROWN UNIVERSITY
ANALYTICAL SOLUTION OF THE BLUNT BODY VISCOUS LAYER PROBLEM WITH AND WITHOUT AN APPLIED MAGNETIC FIELD FEBRUARY 1960
BY HAKURO OGUCHI — DDC NR. 234471
PROBSTEIN R F(PI) — CONTRACT NR. AF 33(616)-5442
PROJ/TASK NR. 7064-01

WADD-TN-60-70
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ERROR ANALYSIS FOR DETERMINATION OF TARGET POSITION AND VELOCITY FROM TWO OR MORE OBSERVERS, JUNE 1960
BY PERRET, E E(P. I.) — DDC NR. 242543
CONTRACT NR.
PROJ/TASK NR. 7071

WADD TN 60-101
COPENHAGEN, UNIVERSITY OF
A BROWNIAN MOTION THEORY OF CHEMICAL REACTIONS APRIL 1960
BY BAK, T A — DDC NR. 239654
PLESNER, I W — CONTRACT NR. AF 61(052)-133
PROJ/TASK NR. 7013-01

WADD TN 60-102
COPENHAGEN, UNIVERSITY OF
NON-LINEAR PROBLEMS IN THERMODYNAMICS OF IRREVERSIBLE PROCESSES APRIL 1960
BY BAK, T A — DDC NR. 239567
CONTRACT NR. AF 61(052)-133
PROJ/TASK NR. 7013-01

WADD TN 60-108
MINNESOTA UNIVERSITY OF
DESIGN CALIBRATION AND SIMULATION CAPABILITY OF THE ROSEMOUNT AERONAUTICAL LABORATORIES HIGH TEMPERATURE HYPERSONIC FACILITY JULY 1960
BY HERMANN R — DDC NR. 246393
STANKEVICS J — CONTRACT NR. AF 33(616)-6077
MELNIK W — PROJ/TASK NR. 7065-70135
LUGER M

WADD-TN-60-145
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THERMAL ANALYSIS OF SPACE SUITS IN ORBIT, MAY 1960
BY CRAMER, K R — DDC NR.
IRVINE, T F — CONTRACT NR.
PROJ/TASK NR. 6373-63124

WADD TR 59-3
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
A STUDY OF FREE CONVECTION BOUNDARY LAYER OSCILLATIONS AND THEIR EFFECTS ON HEAT TRANSFER
ASME PAPER 60-WA-29, 1960
BY HOLMAN, J P — DDC NR. 239303
GARTRELL, H E — CONTRACT NR.
SOEHNSEN, E. E. — PROJ/TASK NR. 7064-70138

WADD TR 59-21
ROCHESTER, UNIVERSITY OF
AN INVESTIGATION OF THE PHYSICAL PROPERTIES OF MOLTON OXIDE AND BINARY ALKALI, ALKALINE EARTH AND RARE EARTH BORATES WITH PARTICULAR EMPHASIS ON RUBIDIUM AND CESIUM BORATES APRIL 1960
BY SU, G J — DDC NR. 238927
LI, P C — CONTRACT NR. AF 33(616)-5698
GHOSE, A C — PROJ/TASK NR. 7013-04

WADD TR 59-23
QUANTUM, INC
FUNDAMENTAL STUDIES OF THE CHEMISTRY AND PHYSICS OF ORGANIC MATERIALS ADSORBED ON METAL SUBSTRATES APRIL 1960
BY ROTH, H A — DDC NR. 239366
LUMB, R F — CONTRACT NR. AF 33(616)-3882
DOEDE, C M — PROJ/TASK NR. 7022-01

WADD TR 59-486
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE EQUATION OF STATE OF AN IONIZED GAS SEPTEMBER 1959 PART II
BY BIENKOWSKI, G K — DDC NR.
MARKHAM, J R(P.I.) — CONTRACT NR. AF 33(616)-5693
PROJ/TASK NR. 7073-02

WADD TR 59-486
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A DISCUSSION OF TWO INCOMPRESSIBLE MAGNETOHYDRODYNAMIC FLOW OCTOBER 1959 PART III
BY KERNEY, K P — DDC NR.
MARKHAM J R(PI) — CONTRACT NR. AF 33(616)-5693
PROJ/TASK NR. 7073-02

WADD TR 59-486
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RESEARCH IN A COMPREHENSIVE THEORY OF PLASMA STATES AND PHENOMENA MARCH 1960 PART IV
BY COVERT, E — DDC NR.
MARKHAM J R(PI) — CONTRACT NR. AF 33(616)-5693
PROJ/TASK NR. 7073-02

WADD TR 59-708
CURTISS-WRIGHT CORP
HYPERSONIC FREE FLIGHT RESEARCH PART II INVESTIGATIONS OF HEAT TRANSFER AND AERODYNAMIC STABILITY JULY 1960
BY BOGLE R W — DDC NR. 246355
MAGNUS R J — CONTRACT NR. AF 33(616)-5104
PROJ/TASK NR. 1366-70165

WADD TR 60-7
BATTELLE MEMORIAL INSTITUTE
AN INVESTIGATION OF COLUMN ACTION DURING CREEP BUCKLING JUNE 1960
BY CARLSON R L — DDC NR. 246508
BREINDEL W W — CONTRACT NR. AF 33(616)-6301
MANNING G K — PROJ/TASK NR. 7063-02

WADD TR 60-11
CLEVITE CORP
RESEARCH ON NEW HIGH-TEMPERATURE SEMI-CONDUCTING MATERIALS JUNE 1960
BY DEVLIN, S S — DDC NR.
JOST, J M — CONTRACT NR. AF 33(616)-3923
SCHIOZAWA, L R — PROJ/TASK NR. 7021

WADD TR 60-41
CHICAGO, UNIVERSITY OF
RADIOLYSIS OF ARALKYL KETONES AUGUST 1960
BY BROWN, W G — DDC NR. 246357
COYLE, D J — CONTRACT NR. AF 33(616)-3875
PROJ/TASK NR. 7023-03

WADD TR 60-45
BATTELLE MEMORIAL INSTITUTE
THEORETICAL AND EXPERIMENTAL STUDIES CONCERNING RADIATION DAMAGE IN SELECTED COMPOUND SEMICONDUCTORS 31 JANUARY 1960
BY OPPERMAN — DDC NR. 232864
BARODDY — CONTRACT NR. AF 33(616)-3747
WILLARDSON — PROJ/TASK NR. 7112-70706
GRAFT
AUKERMAN L W(PI)

WADD TR 60-94
POLYTECHNIC INSTITUTE OF BROOKLYN
RECENT DEVELOPMENTS CONNECTED WITH THE HYPERSONIC FACILITY OF THE PIB
BY PANUNZIO S R — DDC NR. 238921
FERRI A(PI) — CONTRACT NR. AF 33(616)-3978
PROJ/TASK NR. 7065

WADD TR 60-97
ARKANSAS, UNIVERSITY OF
POLARIZATION CAPACITANCE DETERMINATIONS OF SURFACE ROUGHNESS, APRIL 1960
BY TESTERMAN, M K — DDC NR. 238958
CONTRACT NR. AF 33(616)-5541
PROJ/TASK NR. 7022-01

WADD TR 60-103
ARMOUR RESEARCH FOUNDATION
THE ENERGETICS OF CRACK FORMATION AND PROPAGATION APRIL 60
BY ELLIOTT, R P — DDC NR. 238828
REED, R H(P.I.) — CONTRACT NR. AF 33(616)-6148
PROJ/TASK NR. 7024-03

WADD TR 60-105
MIDWEST APPLIED SCIENCE CORP
TRANSIENT TEMPERATURE IN A SEMI-INFINITE, POROUS SOLID WITH PHASE CHANGE AND TRANSPIRATION EFFECTS JANUARY 1960
BY GROSH, R J — DDC NR. 239080
CONTRACT NR. AF 33(616)-5623
PROJ/TASK NR. 7063-70524

WADD TR 60-107
CORNELL UNIVERSITY
KINETICS OF REACTIONS IN SHOCK TUBES APRIL 1960
BY BAUER, S H — DDC NR. 238047
ASSISTANTS — CONTRACT NR. AF 33(616)-3839
PROJ/TASK NR. 7013

WADD TR 60-118
LOCKHEED AIRCRAFT CORP
DEVELOPMENT OF A COMPUTER SUBROUTINE FOR PLANETARY AND LUNAR POSITIONS AUGUST 1960
BY MICHIELSEN H F — DDC NR.
KROP M A — CONTRACT NR. AF 33(616)-6638
PROJ/TASK NR. 7041-70453

WADD TR 60-127
YALE UNIVERSITY
INVESTIGATION OF INITIAL FREE RADICAL YIELDS IN ORGANIC COMPOUNDS SUBJECTED TO GAMMA RADIATION APRIL 1960
BY BRETTON, R H — DDC NR. 240120
CONTRACT NR. AF 33(616)-5239
PROJ/TASK NR. 7021-03

WADD TR 60-165
GENERAL ELECTRIC COMPANY
THERMAL IMAGING TRANSDUCER APRIL 1960
BY HEIL H — DDC NR.
NOLAN W J — CONTRACT NR. AF 33(616)-6088
PROJ/TASK NR. 7072-70844

WADD TR 60-167
RCA LABORATORIES
ELECTROLUMINESCENCE IN OPTICAL AMPLIFIERS DECEMBER 1959
BY NICOLL, F H — DDC NR. 259630
SUSSMAN, A — CONTRACT NR. AF 33(616)-5509
DEVORE, H B — PROJ/TASK NR. 7077-70844

WADD TR 60-152
ITT LABORATORIES
(U) AN ANALYTICAL AND EXPERIMENTAL STUDY CONCERNING AN INFRARED IMAGE CONVERTER SYSTEM FOR OBSERVATION BY MEANS OF A HIGH DETECTIVITY CLOSED CIRCUIT TV SYSTEM, AND OCTOBER 1960 (CONFIDENTIAL)
SUPERSEDED BY ARL 62-411, UNCL
BY HALL, F F — DDC NR.
ORTHUBER, R K(P.I.) — CONTRACT NR. AF 33(616)-5626
PROJ/TASK NR. 7072

WADD TR 60-169
PENNSYLVANIA, UNIVERSITY OF
RESEARCH ON A NEW CLASS OF INORGANIC MOLECULES CONSISTING BASICALLY OF SULFUR AND NITROGEN APRIL 1960
BY COHEN, M — DDC NR. 239105
KENT, R A — CONTRACT NR. AF 33(616)-5444
MACDIARMID, A G — PROJ/TASK NR. 7023
MARCANTONIO, N M

WADD TR 60-174
UNIVERSAL MATCH
RESEARCH ON THE FEASIBILITY OF THE LINDBERG GYROSCOPE PRINCIPLE AUGUST 1960
BY CAPPELLUPO J P — DDC NR. 246397
LINDBERG A W — CONTRACT NR. AF 33(616)-6201
MARCUS R H — PROJ/TASK NR. 7063-02

WADD TR 60-175
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A STUDY OF THE STRAIN-HARDENING AND CUMULATIVE DAMAGE BEHAVIOR OF 2024-T4 ALUMINUM ALLOY IN THE LOW-CYCLE FATIGUE RANGE FEBRUARY 1960
BY D-AMATO, R — DDC NR. 238219
PIAN T H H(P.I.) — CONTRACT NR. AF 33(616)-3310
PROJ/TASK NR. 7063-70527

WADD TR 60-186
EVANS RESEARCH AND DEVELOPMENT CORP
STUDIES ON THE SURFACE FREE ENERGY OF GOLD JUNE 1960
BY HOLLAND, W F — DDC NR.
CONTRACT NR. AF 33(616)-6180
PROJ/TASK NR. 7022-01

WADD TR 60-214
AUTONETICS
METHODS FOR ANALYSIS OF SATELLITE TRAJECTORIES SEPTEMBER 60
BY KOCHI, K C — DDC NR.
STALEY, R M — CONTRACT NR. AF 33(616)-6062
KACHICKAS, G(P.I.) — PROJ/TASK NR. 1772-17722

WADD TR 60-215
WESTINGHOUSE ELECTRIC
FEASIBLITY OF REAL-TIME TRACKING-COMPUTING-PREDICTING FOR SPACE VEHICLES, OCTOBER 1960
BY FROGGATT, J W — DDC NR. 249524
CONTRACT NR. AF 33(616)-6703
PROJ/TASK NR. 7041

WADD TR 60-217
TEXAS NUCLEAR CORP
ELASTIC AND INELASTIC SCATTERING OF 4.1 MEV NEUTRONS FROM CA, MO, SB, BA AND HG
BY VINCENT, L D — DDC NR.
MORGAN, I L — CONTRACT NR. AF 33(616)-5619
PRUD-HOMME, J T — PROJ/TASK NR. 2134-70708
BOSTROM N A(P.I.)

WADD TR 60-218
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE EFFECT OF PLASTIC STRAIN RATE ON DIFFUSION IN ALUMINUM-ZINC ALLOYS APRIL 1960
BY BRUGGEMAN, G A — DDC NR.
COHEN, M — CONTRACT NR. AF 33(616)-3264
AVERBACK, B L — PROJ/TASK NR. 7021-70663

WADD TR 60-224
STANFORD RESEARCH INSTITUTE
(U) THE COMBUSTION OF SINGLE DROPS OF BORON-CONTAINING FUEL CONFIDENTIAL APRIL 1960
BY INAMI, S H — DDC NR. 217184
WISE, H — CONTRACT NR. AF 33(616)-5573
RITZENBERG, A H — PROJ/TASK NR. 3048

WADD TR 60-230
SOUTHWEST RESEARCH INSTITUTE
CREEP COLLAPSE OF LONG CYLINDRICAL SHELLS UNDER HIGH TEMPERATURE AND EXTERNAL PRESSURE BY AUGUST 1960
BY WAH T — DDC NR. 246630
GREGORY R K — CONTRACT NR. AF 33(616)-5727
PROJ/TASK NR. 7063-02

WADD TR 60-236
BATTELLE MEMORIAL INSTITUTE
THE MECHANISM OF HARDENING IN 17-7 PH PH STAINLESS STEEL MAY 1960
BY UNDERWOOD, E E — DDC NR. 239469
AUSTIN, A E — CONTRACT NR. AF 33(616)-6521
MARINGER, R E — PROJ/TASK NR. 7021
MANNING, G K

WADD TR 60-251
MINNESOTA UNIVERSITY OF
RESEARCH ON EVAPORATIVE FILM COOLING OF A MACH NUMBER 7 CONTOURED WIND TUNNEL NOZZLE IN THE ROSEMOUNT AERONAUTICAL LABORATORIES HYPERSONIC FACILITY MAY 1960
BY HERMANN R — DDC NR. 239290
MELNIK W — CONTRACT NR. AF 33(616)-6077
STANKEVICS J — PROJ/TASK NR. 7065-70135

WADD TR 60-262
MICHIGAN UNIVERSITY OF
THE CHEMISTRY OF BORON HYDRIDES AND RELATED HYDRIDES JUNE 1960
BY PARRY R W — DDC NR.
CONTRACT NR. AF 33(616)-5874
PROJ/TASK NR. 3048-70321

WADD TR 60-266
R C A LABORATORIES
HIGH TEMPERATURE PROPERTIES OF SEMICONDUCTORS AUGUST 1960
BY ABELES, B — DDC NR. 246620
BEERS, D — CONTRACT NR. AF 33(616)-6165
CODY, G — PROJ/TASK NR. 7021-02
NOVAK, R
ROSI, F

WADD TR 60-269
THIOKOL CHEMICAL CORP
U STUDYING THE MECHANICS OF BORIC OXIDE CONDENSATION APRIL 1960 CONFIDENTIAL
BY MACATICIAN J — DDC NR. 316751
SEAMANS T — CONTRACT NR. AF 33(616)-5971
PROJ/TASK NR. 3048-70321

WADD TR 60-271
BELL AIRCRAFT
INELASTIC BEHAVIOR OF STRUCTURES SUBJECTED TO CYCLIC, THERMAL AND MECHANICAL STRESSING CONDITIONS DECEMBER 1960
BY PADLOG J — DDC NR. 252761
HUFF R D — CONTRACT NR. AF 33(616)-6448
HOLLOWAY G F — PROJ/TASK NR. 7063-70524

WADD TR 60-434
POLYTECHNIC INSTITUTE OF BROOKLYN
THEORETICAL ANALYSIS OF THE DOWNSTREAM INFLUENCE OF STAGNATION POINT MASS TRANSFER JUNE 1961
BY CRESCI R J — DDC NR. 260718
FERRI A(P.I.) — CONTRACT NR. AF 33(616)-7661
PROJ/TASK NR. 7064-01

ARL-TN 60-109
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
A SUPER-FAST RECORDER FOR DAY AND NIGHT OBSERVATIONS OF SPACE VEHICLES USING A LIGHT AMPLIFIER CAPABLE OF SUPPRESSING THE BACKGROUND AND DISCRIMINATING MOVING OBJECTS NOVEMBER 1960
Z. FLUGWISS. 10, HEFT 11 (1962)
BY GEBEL, R K H — DDC NR. 250256
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL-TN 60-110
WESTINGHOUSE ELECTRIC CORP
IRRADIATION EFFECTS ON SINGLE CRYSTALS OF SOFT MAGNETIC MATERIALS, JUNE 1960
BY HALL, R C — DDC NR.
BYRNES, W S — CONTRACT NR. AF 33(616)-5555
CRAWFORD, R G — PROJ/TASK NR. 7021-70651
OSBORN, J (P.I.)

ARL-TN 60-111
ARMOUR RESEARCH FOUNDATION
THE OXIDATION OF CARBON MONOXIDE BEHIND SHOCK WAVES AUGUST 1960
BY STEINBERG, M — DDC NR.
DAVIES, WM O — CONTRACT NR. AF 33(616)-5906
PROJ/TASK NR. 7013-70322

ARL-TN 60-112
ILLINOIS, UNIVERSITY OF
INTERACTIONS OF INTERSTITIALS WITH DISLOCATIONS IN IRON, AUGUST 1960
BY KANBER, K — DDC NR.
KEEFER, D — CONTRACT NR. AF 33(616)-6176
WERT, C A — PROJ/TASK NR. 7024-02

ARL-TN 60-114
KINGS COLLEGE UNIVERSITY OF LONDON
A SPINOR APPROACH TO GENERAL RELATIVITY MAY 1960
BY PENROSE R — DDC NR. 239226
BONDI H(P.I.) — CONTRACT NR. AF 61(052)-48
PROJ/TASK NR. 7114-01

ARL-TN 60-115
ROCKETDYNE DIVISION OF NORTH AMERICAN AVIATION
ROTATING POWER GENERATION MACHINERY FOR ELECTRICAL PROPULSION MAY 1960
BY HARNESS G T — DDC NR. 237791
AEACKER H(PI) — CONTRACT NR. AF 49(638)-649
PROJ/TASK NR. 7116-70192

ARL-TN 60-116
ROCKETDYNE DIVISION OF NORTH AMERICAN AVIATION
MOTION OF LOW THRUST VEHICLES IN A STRONG GRAVITATIONAL FIELD MAY 1960
BY MOSER W A — DDC NR. 237792
BENNISTON G — CONTRACT NR. AF 49(638)-649
FERREBEE F N — PROJ/TASK NR. 7116-70192
O SHAUGHNESSY G W
AEACKER H(PI)

ARL-TN 60-117
SYRACUSE UNIVERSITY
THE EFFECT OF AN EXTENDED PARTICLE MODEL ON THE RUNAWAY SOLUTIONS OF CLASSICAL ELECTRON THEORY
BY FICKLER, S J — DDC NR. 236846
ARNOWITT, R — CONTRACT NR. AF 33(616)-5598
PROJ/TASK NR. 7114-70710

ARL-TN 60-118
CARNEGIE INSTITUTE OF TECHNOLOGY
NOTES ON THE USE OF F IN THE ANALYSIS OF VARIANCE OF ATTRIBUTES DATA AND ON THE TRANS-FORMATION OF MEASUREMENTS DATA TO ATTRIBUTES DATA, MAY 1960
BY OLDS, E G DDC NR, 239522
LEWIS, J S CONTRACT NR, AF 33(616)-3878
PROJ/TASK NR, 7071-70629

ARL-TN 60-119
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
SOME APPLICATIONS OF THE POISSON DISTRIBUTION AUGUST 1960
BY LOH, C N DDC NR, 240336
CONTRACT NR,
PROJ/TASK NR, 7079-70852

ARL-TN 60-120
DAYTON UNIVERSITY OF
RESEARCH ON PRESSURE ENERGY EXCHANGE PRINCIPLE 1960
BY MINARDI J E DDC NR, 239923
PAS C E CONTRACT NR, AF 33(616)-6417
WRIGHT H F PROJ/TASK NR, 7063-01

ARL-TN 60-121
OHIO STATE UNIVERSITY
THE BASIC PRINCIPLES OF MAGNETOGASDYNAMICS
BY PETRIE S L DDC NR, 262306
LEE J D(PI) CONTRACT NR, AF 33(616)-5591
PROJ/TASK NR, 7065-01

ARL-TN 60-122
PITTSBURGH UNIVERSITY OF
SOME PROPERTIES OF EMPTY SPACE-TIME JULY 16 1960
BY RFWMAN E T DDC NR, 240159
CONTRACT NR, AF 33(616)-5560
PROJ/TASK NR, 7114-70710

ARL-TN-60-123
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
EXTENSION OF YVVARD-S METHOD TO OSCILLATORY SUPERSONIC FLOW, 17 JUNE 1960
BY FERGUSON, H DDC NR, 239938
GODFREY, G CONTRACT NR,
PROJ/TASK NR, 7071-03

ARL-TN 60-124
CARNEGIE INSTITUTE OF TECHNOLOGY
ENERGY OF CRACK FORMATION AND CRACK PROPAGATION UNDER IMPACT LOADING AUGUST 1960
BY WELLS, C DDC NR, 240508
TRIPLETT, W A CONTRACT NR, AF 33(616)-5890
PROJ/TASK NR, 7024-01

ARL-TN 60-125
PRINCETON UNIVERSITY
EXPLORATORY STUDIES OF BLUNT SWEPT WINGS AT MACH 11-19 APRIL 1960
BY VAN I P DDC NR, 261966
BOGDONOFF S M CONTRACT NR, AF 33(616)-5616
PROJ/TASK NR, 7064-01

ARL-TN 60-126
CARNEGIE INSTITUTE OF TECHNOLOGY
SOME ASYMPTOTIC RESULTS ON TRANSFORMATIONS IN THE ANALYSIS OF VARIANCE AUGUST 1960
BY BAD, W N DDC NR,
CONTRACT NR, AF 33(616)-3878
PROJ/TASK NR, 7071-70629

ARL-TN 60-127
POLYTECHNIC INSTITUTE OF BROOKLYN
PRESSURE AND LAMINAR HEAT TRANSFER DISTRIBUTION AT THE NOSE REGION OF A SEMI-CIRCULAR TOROID AT MACH 3 AND 8 JUNE 1960
BY ZAKKAY V DDC NR, 240120
VISICH JR M CONTRACT NR, AF 33(616)-6118
FERRI A(PI) PROJ/TASK NR, 7064-01

AR-TN 60-128
COPENHAGEN, UNIVERSITY OF
DIFFUSION IN A LINEAR LATTICE AUGUST 1960
BY PLESNER, I W DDC NR,
BAK T A(PI) CONTRACT NR, AF 61(052)-133
PROJ/TASK NR, 7013-01

ARL-TN 60-129
ILLINOIS, UNIVERSITY OF
A STUDY OF THE ADSORPTION ON MERCURY BY DOUBLE LAYER CAPACITY MEASUREMENTS. I. ADSORPTION AT EXPANDING AND RECEDING SURFACES. II. BEHAVIOR OF MONOLAYER OF PALMITIC ACID ON MERCURY-COATED PLATINUM SEPTEMBER 1960
BY LA TOURRE, M A DDC NR, 240653
MORINAGA, I CONTRACT NR, AF 33(616)-5466
PROJ/TASK NR, 7022-01

ARL-TN 60-130
GENERAL ELECTRIC COMPANY
THE STRUCTURE OF BORON OXIDE AND SIMPLE BORATES OCTOBER 60
BY MACKENZIE, J D DDC NR, 240696
CONTRACT NR, AF 33(616)-5699
PROJ/TASK NR, 7013-04

ARL-TN 60-132
BROWN UNIVERSITY
THE COMPRESSIBLE VISCOUS LAYER IN RAREFIED HYPERSONIC FLOW AUGUST 1960
BY HO H T DDC NR, 261766
PROBSTEIN R F(PI) CONTRACT NR, AF 33(616)-5662
PROJ/TASK NR, 7064-01

ARL-TN 60-133
BROWN UNIVERSITY
THE SHARP LEADING EDGE PROBLEM IN HYPERSONIC FLOW AUGUST 1960
BY HAYASHI OKUHI DDC NR, 261765
PROBSTEIN R F(PI) CONTRACT NR, AF 33(616)-5662
PROJ/TASK NR, 7064-01

ARL-TN 60-134
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
RANGE STRAGGLING OF PROTONS, ALPHA PARTICLES CARBON 12 AND OXYGEN 16 IONS DECEMBER 1960
M S THESIS, UNIV WASHINGTON, (1960)
BY LOCKER, D R DDC NR, 253171
CONTRACT NR,
PROJ/TASK NR, 7021-70866

ARL-TN 60-135
ELECTRO-OPTICAL SYSTEMS, INC,
RESEARCH ON CHEMICAL REACTIONS CAPABLE OF CONVERTING SOLAR ENERGY INTO FORMS WHICH CAN BE USED AS POWER SOURCES AUGUST 1960
BY ROULETTE, J J DDC NR, 261197
CONTRACT NR, AF 33(616)-6546
PROJ/TASK NR, 7116-70369

ARL-TN 60-137
POLYTECHNIC INSTITUTE OF BROOKLYN
INTEGRAL METHOD BOUNDARY LAYER CALCULATIONS FOR STRONG FAVORABLE STREAMWISE PRESSURE GRADIENTS JULY 1960
BY STEIGER M H DDC NR, 262171
FERRI A(PI) CONTRACT NR, AF 33(616)-6118
PROJ/TASK NR, 7064-01

ARL-TN-60-138
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THEORETICAL CONSIDERATION OF NON-UNIFORMLY CHARGED EXPELLANT BEAMS, OCTOBER 1960
BY HUNTER, R DDC NR, 269938
CONTRACT NR,
PROJ/TASK NR, 7116-70192

ARL-TN-60-139
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
RADIATION CHEMISTRY OF N-PENTANE, MECHANISM FOR THE FORMATION OF LOWER MOLECULAR WEIGHT PRODUCTS, AUGUST 1960
BY RUTHELL, J M DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7021-70367

ARL-TN 60-140
POLYTECHNIC INSTITUTE OF BROOKLYN
BLUNT BODY HEAT TRANSFER AT HYPERSONIC SPEED AND LOW REYNOLDS NUMBERS JUNE 1960
BY FERRI A DDC NR, 262704
ZAKKAY V CONTRACT NR, AF 33(616)-6118
LU TING PROJ/TASK NR, 7064-01

ARL-TN 60-141
OHIO STATE UNIVERSITY
EXPERIMENTAL AND THEORETICAL INVESTIGATION OF THE FLUID DYNAMICS OF ROCKET COMBUSTION NOVEMBER 1960
BY BOLLINGER L E DDC NR,
FONG M C CONTRACT NR, AF 33(616)-5615
MALAGAN D R PROJ/TASK NR, 7065-01
EDSE R

ARL-TN 60-142
POLYTECHNIC INSTITUTE OF BROOKLYN
HIGHER ORDER THEORY OF CURVED SHOCK AUGUST 1960
BY CHOW R R DDC NR, 240625
LU TING CONTRACT NR, AF 33(616)-6118
FERRI A(PI) PROJ/TASK NR, 7064-01

ARL-TN 60-143
KINGS COLLEGE UNIVERSITY OF LONDON
INTRODUCTION TO THE CONCEPTS OF GRAVITATIONAL RADIATION THEORY AUGUST 1960
BY PIRANI F A E DDC NR, 262878
BONDI H (SIR)(PI) CONTRACT NR, AF 61(052)-60
PROJ/TASK NR, 7114-01

ARL-TN 60-144
SYRACUSE UNIVERSITY
THE ENERGY DISTRIBUTION OF ELECTRONS FROM IONIZING COLLISIONS OF HEAVY PARTICLES SEPTEMBER 1960
BY BERRY, H W DDC NR,
CONTRACT NR, AF 33(616)-6761
PROJ/TASK NR, 7073-03

ARL-TN 60-145
POLYTECHNIC INSTITUTE OF BROOKLYN
RATE CHEMISTRY AND FLOW OF AIRLIKE MIXTURE AUGUST 1960
BY ROSENBRAUN H DDC NR, 260440
BLOOM M CONTRACT NR, AF 33(616)-6118
FERRI A(PI) PROJ/TASK NR, 7064-01

ARL-TN 60-146
COPENHAGEN, UNIVERSITY OF
DISSOCIATION OF DIATOMIC MOLECULES CONSIDERED AS DIFFUSION IN PHASE SPACE OCTOBER 1960
BY BAK, T A DDC NR, 269627
ANDERSON, E CONTRACT NR, AF 61(052)-133
PROJ/TASK NR, 7013-01

ARL-TN 60-147
PITTSBURGH UNIVERSITY OF
A NEW APPROACH TO EINSTEINS EMPTY SPACE FIELD EQUATIONS 26 OCTOBER 1960
BY RFWMAN E T DDC NR, 260879
TAMBURINO L A CONTRACT NR, AF 33(616)-5560
PROJ/TASK NR, 7114-70710

ARL-TN 60-148
SOUTHAMPTON UNIVERSITY OF
A PRELIMINARY STUDY OF IONIC RECOMBINATION OF ARGON IN WIND TUNNEL NOZZLES FEBRUARY 1960
BY BRAY K N C DDC NR, 260652
WILSON J A CONTRACT NR, AF 61(052)-250
RICHARDS E (PI) PROJ/TASK NR, 7064-01

ARL-TN 60-149
POLYTECHNIC INSTITUTE OF BROOKLYN
INTEGRAL METHOD COMPRESSIBLE BOUNDARY LAYER CALCULATIONS FOR STRONG FAVORABLE STEAMWISE PRESSURE GRADIENTS OVER AN INSULATED SURVACE NOVEMBER 1960
BY STEIGER M H — DDC NR. 246641
FEFFI ACPI> — CONTRACT NR. AF 33(616)-6118
PROJ/TASK NR. 7064-01

ARL-TN 60-150
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PARACHUTIST-S SPIN PROBLEM DECEMBER 1960
BY WALCHNER, O — DDC NR. 250438
SAWYER, F — CONTRACT NR.
PROJ/TASK NR. 7064-70861

ARL-TN 60-151
RUTGERS UNIVERSITY
CALCULUS OF VARIATIONS AND OPERATIONS RESEARCH DECEMBER 60
BY DANSKIN, J M — DDC NR. 254107
CONTRACT NR. AF 33(616)-5318
PROJ/TASK NR. 7071-70430

ARL-TN 60-152
OHIO STATE UNIVERISTY
RESEARCH ON COMBUSTION PHENOMENA AT HIGH PRESSURE FEB 1961
BY EDSE, R — DDC NR. 254362
STRAUSS, W A — CONTRACT NR. AF 33(616)-5439
PROJ/TASK NR. 7013-70331

ARL-TN 60-153
SOUTHAMPTON UNIVERSITY OF
THE STRUCTURE OF A CENTRED RARIFICATION WAVE IN AN IDEAL DISSOCIATING GAS APRIL 1960
BY APPLETON J P — DDC NR. 246453
RICHARDS F J<PI> — CONTRACT NR. AF 61(052)-250
PROJ/TASK NR. 7064-01

ARL-TN 60-154
OHIO STATE UNIVERISTY
CONCERNING THE STABLE PHASE OF SILICON MONOXIDE DECEMBER 60
BY CHAPMAN, A T — DDC NR. 251786
ST PIERRE, G R — CONTRACT NR. AF 33(616)-3189
FORSTE, W R — PROJ/TASK NR. 7021-70622
SHEVLIN, T S

ARL-TN 60-155
WISCONSIN, UNIVERSITY OF
THEORETICAL CHEMICAL RESEARCH AT THE UNIVERSITY OF WISCONSI DECEMBER 1960
HIRSCHFELDER, J O — CONTRACT NR. AF 33(616)-3414
PROJ/TASK NR. 7013-01

ARL-TN 60-156
WISCONSIN, UNIVERSITY OF
INTRODUCTION TO IRREVERSIBLE PROCESSES DECEMBER 1960
BY DEBOER, J — DDC NR. 250261
HIRSCHFELDER, J O<DI — CONTRACT NR. AF 33(616)-3414
PROJ/TASK NR. 7013-01

ARL-TN 60-157
WISCONSIN, UNIVERSITY OF
CALCULATION OF THE SECOND VIRIAL COEFFICIENT FOR THE MORSE POTENTIAL DECEMBER 1960
BY KONOWALOW, D D — DDC NR.
TAYLOR, M H — CONTRACT NR. AF 33(616)-7174
HIRSCHFELDER, J O — PROJ/TASK NR. 7013-01

ARL-TN 60-158
WISCONSIN, UNIVERSITY OF
INTERMOLECULAR POTENTIAL FUNCTIONS FOR NONPOLAR MOLECULES DECEMBER 1960
BY KONOWALOW, D D — DDC NR. 250259
HIRSCHFELDER, J O — CONTRACT NR. AF 33(616)-7174
PROJ/TASK NR. 7013-01

ARL-TN 60-159
MINNESOTA, UNIVERSITY OF
SOME MEASUREMENTS OF A WAKE-BOUNDARY LAYER INTERACTION DECEMBER 1960
BY EICHHORN, R — DDC NR. 252806
EDDY, T L — CONTRACT NR. AF 33(616)-5528
ECKERT, E R G<P.I.> — PROJ/TASK NR. 7064-70138

ARL-TN 60-160
MINNESOTA, UNIVERSITY OF
ANALYTIC FORMULATION FOR RADIATING FINS WITH MUTUAL IRRADIATION DECEMBER 1960
BY ECKERT E R G — DDC NR. 252807
IRVINE, JR, T F — CONTRACT NR. AF 33(616)-5528
SPARROW, E M — PROJ/TASK NR. 7064-70138

ARL-TN 60-161
MINNESOTA, UNIVERSITY OF
MEASUREMENT OF TEMPERATURE PROFILES IN LAMINAR AND TURBULENT AXISYMMETRIC BOUNDARY LAYERS ON A CYLINDER WITH NON-UNIFORM WALL TEMPERATURE DECEMBER 1960
BY ECKERT, E R G — DDC NR. 252679
EICHHORN, R — CONTRACT NR. AF 33(616)-5528
EDDY, T L — PROJ/TASK NR. 7064-70138

ARL-TN 60-163
POLYTECHNIC INSTITUTE OF BROOKLYN
AXIALLY SYMMETRIC FREE MIXING WITH SWIRL NOVEMBER 1960
BY STEIGR M H — DDC NR. 248373
BLOOM M H — CONTRACT NR. AF 33(616)-7661
FERRI ACPI> — PROJ/TASK NR. 7064-01

ARL-TN 60-164
PRINCETON UNIVERSITY
MACH AND REYNOLDS NUMBER EFFECTS ON THE FLOWS OVER BLUNT FLAT PLATES AT SUPERSONIC SPEEDS NOVEMBER 1960
BY VAS I E — DDC NR. 251919
BODGONOFF S M — CONTRACT NR. AF 33(616)-5416
PROJ/TASK NR. 7064-01

ARL-TN 60-165
KINGS COLLEGE UNIVERSITY OF LONDON
RECURRENT RADIATION IN GENERAL RELATIVITY
BY SCIAMA D W — DDC NR. 260895
BONDI, H <P.I.> — CONTRACT NR. AF 61(052)-48
PROJ/TASK NR. 7114-01

ARL-TN 60-166
KINGS COLLEGE UNIVERSITY OF LONDON
SURVEY OF GRAVITATIONAL RADIATION THEORY
BY PIRANI F A E — DDC NR. 260997
BONDI, H <P.I.> — CONTRACT NR. AF 61(052)-48
PROJ/TASK NR. 7114-01

ARL-TN 60-167
SOUTHAMPTON UNIVERSITY OF
THE STRUCTURE OF A PRANDTL-MEYER EXPANSION FAN IN AN IDEAL DISSOCIATING GAS AUGUST 1960
BY APPLETON J P — DDC NR. 249171
RICHARDS E J<PI> — CONTRACT NR. AF 61(052)-250
PROJ/TASK NR. 7064-01

ARL-TN 60-168
NOTTINGHAM, UNIVERSITY OF
ISOTOPE AND CRYSTAL-FIELD EFFECTS IN THE VIBRATIONAL SPECTRUM OF POTASSIUM TETRAFLUOROBORATE DECEMBER 1960
BY GREENWOOD, N N — DDC NR. 252386
CONTRACT NR. AF 61(052)-111
PROJ/TASK NR. 7013-04

ARL-TN 60-169
NOTTINGHAM, UNIVERSITY OF
BORON CARBON HETEROCYCLIC COMPOUNDS PART I, SYNTHESIS AND REACTIONS OF PERHDRO-9B-BORAPHENALENE DECEMBER 1960
REPRINT J CHEM SOC JUL 60
BY GREENWOOD, N N — DDC NR. 252387
MORRIS, J H — CONTRACT NR. AF 61(052)-111
PROJ/TASK NR. 7013-04

ARL-TN 60-170
ISRAEL INSTITUTE OF TECHNOLOGY
CALCULATIONS ON THE GRAVITATIONAL FIELD IN GENERAL RELATIVITY THEORY 18 OCTOBER 1960
BY PFREX, A — DDC NR. 251894
ROSEN, N — CONTRACT NR. AF 61(052)-02
PROJ/TASK NR. 7114-70709

ARL-TN 60-171
TECHNISCHEN HOCHSCHULE
ON THE DETERMINATION OF MEAN EFFECTIVE TEMPERATURES IN PLASMAS USING SHOCK WAVE MEASUPEMENTS DECEMBER 1960
BY KAEPPELER, H — DDC NR. 248319
MAYSER, R — CONTRACT NR. AF 61(052)-199
ZIMMERMAN, W — PROJ/TASK NR. 7073-01
KOCKER, K HCP.I.>

ARL-TN 60-172
TECHNISCHEN HOCHSCHULE
OHMIC HEATING OF FULLY IONIZED PLASMAS, I. THEORETICAL PART DECEMBER 1960
BY HOCKER, K H — DDC NR. 251809
KLUGE, W — CONTRACT NR. AF 61(052)-199
PROJ/TASK NR. 7073-01

ARL-TN 60-173
TECHNISCHEN HOCHSCHULE
OHMIC HEATING OF FULLY IONIZED PLASMAS, II. EXPERIMENTAL DECEMBER 1960
BY KLUGE, W — DDC NR.
HOCKER, K H — CONTRACT NR. AF 61(052)-199
PROJ/TASK NR. 7073-01

ARL-TN 60-174
TECHNISCHEN HOCHSCHULE
ON THE PHENOMENOLOGICAL EQUATIONS OF FULLY IONIZED PLASMAS DERIVED FROM A STATISTICAL DESCRIPTION DECEMBER 1960
BY KAEPPELER, H J — DDC NR. 248318
KOCKER, K HCP.I.> — CONTRACT NR. AF 61(052)-204
PROJ/TASK NR. 7073-70712

ARL-TN 60-175
SHEFFIELD, UNIVERSITY OF
ELECTRON CORRELATION IN METALS, 1 NOVEMBER 1959 1 OCTOBER 1960
BY MARCH, N H — DDC NR. 252614
CONTRACT NR. AF 61(052)-317
PROJ/TASK NR. 7112-70719

ARL-TN 60-176
UPPSALA UNIVERSITY
THEOREM ON SEPARABILITY OF ELECTRON PAIRS* NOTE ON THE SEPARABILITY THEOREM FOR ELECTRON PAIRS**
BY ARAI, T* — DDC NR. 251418
LOWDIN, P O** — CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7023-04

ARL-TN 60-177
UPPSALA UNIVERSITY
TEST OF THE CONVENTIONAL QUANTUM CHEMISTRY METHODS ON THE HYDROGEN ATOM JULY 1 1960
BY BAILEY T L — DDC NR. 251419
KINSEY, J L — CONTRACT NR. AF 61(052)-351
LOWDIN, P O<P.I.> — PROJ/TASK NR. 7023-04

ARL-TN 60-178
SOUTHAMPTON UNIVERSITY OF
RECOMBINATION OF OXYGEN IN A NOZZLE COMPARISON WITH EXPERIMENTAL RESULTS FOR AIR FROM GENERAL ELECTRIC RESEARCH LABORATORY SEPTEMBER 1960
BY BRAY K N C — DDC NR. 251600
MAIN R — CONTRACT NR. AF 61(052)-250
RICHARDS F J<PI> — PROJ/TASK NR. 7064-01

ARL-TN 60-179
UPPSALA UNIVERSITY
A SIMPLE METHOD OF TREATING ATOMIC INTEGRALS CONTAINING FUNCTIONS OF R 12 SEPTEMBER 1 1960
BY CALAIS, J L — DDC NR. 253607
LOWDIN P O — CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7023-04

ARL-TN 60-180
UPPSALA UNIVERSITY
VARIATIONAL TREATMENT OF ELECTRONIC AND MESONIC HYDROGEN MOLECULE IONS NOVEMBER 1, 1960
BY FROMAN, A — DDC NR. 253522
KINSEY, J L — CONTRACT NR. AF 61<052>-351
LOWDIN, P . O . <P.I.> — PROJ/TASK NR. 7023-04

ARL-TN-60-181
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SPECTROPHOTOMETRIC DETERMINATION OF MOLYBDENUM IN STEEL WITH 3, 3 4 ,5 7-PENTAHYDROXYFLAVANONE, 1960, TALANTA 3, 272-276, 1960, PERGAMON PRESS LTD.
BY CHAN, F L — DDC NR.
MOSHIER, R W — CONTRACT NR.
PROJ/TASK NR. 7023-70327

ARL-TN-60-182
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
NOVEL SYNTHESIS OF ORGANO-TRI-AND DI-FLUOROSILANES WITH AQUEOUS HYDROFLUORIC ACID, 1961, TETRAHEDRON LETTERS, NO. 9, PP 11-14, 1960
BY SPIALTER, L — DDC NR.
TOWERS, R S — CONTRACT NR.
KENT, M M — PROJ/TASK NR. 7023-70317

ARL-TN-60-183
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
GAS PHASE RADIOLYSIS OF N-PENTANE, 1960, J PHYS CHEM 64, 1634 <1960>
BY FUTRELL, J H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70347

ARL-TN 60-184
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CHANGE IN STRUCTURE OF BLUE AND GREEN FLUORESCENCE IN CADMIUM SULFIDE AT LOW TEMPERATURES 1960
PHYS REV 119, 1897, <1960>
BY PEDROTTI, L S — DDC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL-TN-60-185
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
KINETICS OF COMBUSTION OF CYANOGEN AND THE BURNING VELOCITIES OF CYANOGEN-OXYGEN-NITROGEN MIXTURES, J PHYS CHEM 64, 1891 <1960>
BY RUTNER, E — DDC NR.
SCHELLER, K — CONTRACT NR.
MCLAIN, W H — PROJ/TASK NR. 7013-70322

ARL-TN 60-186
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
FORMATION AND STRUCTURE OF SIB4, 1960
J AM CERAM SOC VOL 43 OCT 60
BY RIZZO, H F — DDC NR.
BIDWELL, L R — CONTRACT NR.
PROJ/TASK NR. 7022-70634

ARL-TN 60-187
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
REFRACTORY COMPOSITIONS BASED ON SILICON-BORON-OXYGEN REACTIONS OCTOBER 1960
J AM CERAM SOC VOL 43 OCT 60
BY RIZZO, H F — DDC NR. 265040
WEBER, B C — CONTRACT NR.
SCHWARTZ, M A — PROJ/TASK NR. 7022-70634

ARL-TN-60-188
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
EXAMINATION OF V-IRRADIATED BENZENE FOR OPTICAL ACTIVITY, OCT 1960,
NATURE, 188, 4746, 225-226, 15 OCT 60
BY SPIALTER, L — DDC NR.
FUTRELL, J H — CONTRACT NR.
PROJ/TASK NR. 7023-70317

ARL-TN 60-189
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ASTRONOMICAL OBSERVATIONS BY MEANS OF HIGHLY SENSITIVE ELECTRONIC LIGHT AMPLIFICATION 1960
BY GEBEL, R E H — DDC NR.
DEVOL, L — CONTRACT NR.
WYLIE, L R — PROJ/TASK NR. 7072-70827

ARL-TN-60-190
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SYNTHESIS AND POLYMERIZATION OF EPIPERCHLORATOHYDRIN, DEC 1960, J POLYMER SCI 48, 343-346 <1960>, PRES INTER SYMP ON MACROMOLECULAR CHEM, MOSCOW, USSR, 1960
BY CONNOLLY, J. W. — DDC NR.
RADELL, J. — CONTRACT NR.
PROJ/TASK NR. 7013-70355

ARL-TN 60-191
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ENERGY MODEL FOR EDGE EMISSION IN CADMIUM SULFIDE 1960
BY PEDOTTI, L S — DDC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL-TN 60-192
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
UBER DIE DRUCKABHANGIGKEIT ELECTRISCHER UND OPTISCHER EIGENSCHAFTEN VON CDS - EINKRISTALLEN 1960
THEIS, DISSERTATION TO UNIV OF BERLIN <1960>
BY LANGER, D — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL-TN-60-193
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
CRITICAL VALUES FOR DUNCAN-S NEW MULTIPLE RANGE TEST DECEMBER 1960
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-TN-60-194
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE
CIRCULAR ERROR PROBABILITIES, DECEMBER 1960
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-TN-60-195
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
TABLES OF RANGE AND STUDENTIZED RANGE, DECEMBER 1960
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-TN 60-196
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
FLUORESCENCE OF THE 15. 1 MEV LEVEL OF 12C, 1960
PROC ROYAL SOC, A VOL 259, 1960
BY HANNA S S — DDC NR.
SEGEL, R E — CONTRACT NR.
PROJ/TASK NR. 7112-70716

ARL-TN 60-340
UPPSALA UNIVERSITY
ON THE POSSIBILITY OF A MODIFIED PERTURBATION SCHEME FOR BOUND STATES INVOLVING DISCRETE SETS ONLY AUGUST 15, 1960
BY LUNDQVIST, S O — DDC NR. 253523
LOWDIN P O<PI> — CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL-TR 60-272
GENERAL ELECTRIC COMPANY
TEMPERATURE DEPENDENCE OF PLASTIC YIELD STRESS IN MAGNESIUM OXIDE SINGLE CRYSTALS SEPTEMBER 1960
BY MAY, J E — DDC NR. 249069
KRONBERG, M L — CONTRACT NR. AF 33<616>-5511
BORKE, J<PI> — PROJ/TASK NR. 7022-02

ARL-TR 60-273
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
<U> EFFECT OF NOSE SPIKES ON THE STABILITY OF FINLESS AND SPINLESS BLUNT BODIES IN FREE SUPERSONIC FLIGHT <CONFIDENTIAL>
BY WALCHNER, O — DDC NR.
SAWYER, F — CONTRACT NR.
PROJ/TASK NR. 7064-70861

ARL-TR 60-274
MICHIGAN, UNIVERSITY OF
THEORY OF PLASMAS PART I AUGUST 1960
BY OSBORN, R K — DDC NR.
SIEGEL, K M<P.I.> — CONTRACT NR. AF 33<616>-5585
PROJ/TASK NR. 7073-02

ARL-TR 60-274
MICHIGAN UNIVERSITY OF
THEORY OF PLASMAS, PART II, LINEAR OSCILLATIONS IN RELATIVISTIC PLASMAS PART II JULY 1961
BY IMRE, K — DDC NR. 257185
SIEGEL K M<PI> — CONTRACT NR. AF 33<616>-5585
PROJ/TASK NR. 7073-02

ARL-TR-60-275
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON THE EVALUATION OF STRONGLY ENLARGED PHOTOGRAPHS, FEBRUARY 1961
BY GUDERLEY, K G — DDC NR.
LUH, M D — CONTRACT NR.
PROJ/TASK NR. 7071-03

ARL-TR 60-276
NATIONAL BUREAU OF STANDARDS
THE PROPERTIES OF BORON COMPOUNDS MAY 1960
BY WEST E D — DDC NR. 3048-70321
BECKETT C<PI> — CONTRACT NR. AF 30<616>-5817
PROJ/TASK NR. 3048-70321

ARL-TR 60-277
JOHN HOPKINS UNIVERSITY
U LAMINAR FLAME SPEEDS OF BORON HYDRIDES AND THEIR ALKALATED DERIVATIVES MAY 1960 CONFIDENTIAL
BY DEMBROW D — DDC NR.
BERL W G — CONTRACT NR. AF 33<616>-58-51
O DONOVAN J T — PROJ/TASK NR. 3048-70321

ARL-TR 60-278
JOHN HOPKINS UNIVERSITY
U COMBUSTION CHARACTERISTICS OF BORON-BASED HIGH-ENERGY FUELS MAY 1960 CONFIDENTIAL
BY BERL W G — DDC NR.
FALK F — CONTRACT NR. AF 33<616>-5851
SIGILLITI V
RICE J R — PROJ/TASK NR. 3048-70321

ARL-TR 60-279
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
ANALYTICAL STUDIES ON ION PROPULSION AUGUST 1960
BY RODEN, R H — DDC NR.
MAECKER, H<P.I.> — CONTRACT NR. AF 49<638>-649
PROJ/TASK NR. 7116-70192

ARL-TR 60-280
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
<U> RESEARCH FOR APPLICATION OF MICROGAGE MATERIAL TO LARGE STRUCTURES WITH PARTICULAR REFERENCE TO SOLAR ENERGY VEHICLES OCTOBER 1960 SECRET
BY CHILDERS, G C — DDC NR.
CONTRACT NR. AF 33<616>-6333
PROJ/TASK NR. 7115-70190

ARL-TR 60-281
REPUBLIC AVIATION CORP
COMPARISON OF SPECIAL PERTURBATION METHODS IN CELESTIAL MECHANICS AUGUST 1960
BY PINES, S. — DDC NR.
PAYNE, M H — CONTRACT NR. AF 33<616>-6449
WOLF, H — PROJ/TASK NR. 7041

ARL-TR-60-282
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
STABILITY STUDIES FOR THE TWIN WHEEL LANDING GEAR, DECEMBER 1960
BY VAHLDIEK, A — DDC NR. 250260
MORELAND, W J <P. I.> — CONTRACT NR.
PROJ/TASK NR. 1369-70505

ARL-TR 60-284
RCA LABORATORIES
BRIGHTNESS INTENSIFIER STUDY
BY MORTON, G A — DDC NR.
RUEDY, J E — CONTRACT NR. AF 33<616>-2631
KELLEY, A J — PROJ/TASK NR. 7072-70827
WARD, S A

ARL-TR 60-285
BATTELLE MEMORIAL INSTITUTE
A KINETIC STUDY OF THE THERMAL DECOMPOSITION OF PERARYLATED SILANES AND RELATED COMPOUNDS JUNE 1960
BY LEVY, A — DDC NR.
AMBROSE C L — CONTRACT NR. AF 33<616>-5217
PROJ/TASK NR. 7023-70317

ARL-TR 60-286
HUFFMAN MICROANALYTICAL LABS
REACTION OF1-<2-PYRIDYLAZO>-2 NAPTHOL WITH THE METALS OF PERIODIC GROUPS IVA, VA, VIA, AND THEIR ANALYTICAL APPLICATIONS, JUNE 1960
BY STATEN, F W — DDC NR.
HUFFMAN, E W D — CONTRACT NR. AF 33<616>-3964
PROJ/TASK NR. 7364

ARL-TR 60-287
ARMOUR RESEARCH FOUNDATION
DETERMINATION OF THE STRUCTURE OF O3F2 AUGUST 1960
BY MAGUIRE, R G — DDC NR. 246699
KLEIN, M J<P.I.> — CONTRACT NR. AF 33<616>-6433
PROJ/TASK NR. 7013-70322

ARL-TR 60-288
GENERAL ELECTRIC COMPANY
RESEARCH ON DISPERSION HARDENING OCTOBER 1960
BY GUARD, R W — DDC NR. 249695
CONTRACT NR. AF 33<616>-6406
PROJ/TASK NR. 7021-04

ARL-TR 60-290
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
SUMMARY REPORT FOR THE DESIGN OF AN ION ROCKER RESEARCH DEVICE OCTOBER 1960
BY DULGEROFF, C R — DDC NR. 249290
KERRISK, D J — CONTRACT NR. AF 33<616>-5927
PROJ/TASK NR. 7116-70192

ARL-TR 60-291
ANDERSON CHEMICAL COMPANY
RESEARCH ON CONDENSATION REACTIONS BETWEEN THE SODIUM ADDUCT OF BIPHENYL AND ORGANOCHLOROSILANES AUGUST 1960
BY ANDERSON, A R — DDC NR. 246375
SMITH, W E — CONTRACT NR. AF 33<616>-5837
TOWERS, R S — PROJ/TASK NR. 7023-01
KENT, M M

ARL-TR-60-292
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
EXPECTED VALUES OF NORMAL ORDER STATISTICS, JULY 1960
BIOMETRIKA, 48, PP 151-165<1961>
BY HARTER, H L — DDC NR. 245261
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-TR 60-293
WESTINGHOUSE ELECTRIC COMPANY
RESEARCH AND REPORTS ON AN OPTICAL AMPLIFIER
BY LAMBERT J — DDC NR. 239378
CONTRACT NR. AF 33<616>-2611
PROJ/TASK NR. 7116-70715

ARL-TR 60-293
HARSHAW CHEMICAL COMPANY
PHOTOVOLTAIC CADMIUM SULFIDE AUGUST 1960
BY SHIRLAND, F A — DDC NR.
CONTRACT NR. AF 33<616>-3466
PROJ/TASK NR. 7116-70715

ARL-TR 60-294
ISRAEL INSTITUTE OF TECHNOLOGY
RESEARCH ON SECOND ORDER EFFECTS IN INFINITESIMAL ELASTICITY OF METALS
BY REINER M — DDC NR. 239594
CONTRACT NR. AF 61<052>-01
PROJ/TASK NR. 7063-02

ARL-TR 60-295
FRANKLIN INSTITUTE
EFFECTS OF SINGLE TRACE ALLOYS ADDITIONS ON THE IUPROPERTIES OF PURE IRON, DECEMBER 1960
BY LONDON, G — DDC NR. 250258
RUTHERFORD, J L — CONTRACT NR. AF 33<616>-5041
HERMAN, M — PROJ/TASK NR. 7021-01
SPANGLER
SMITH R L

ARL-TR 60-296
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
STUDIES OF SUB-ATOMSPHERIC COMBUSTORS AUGUST 1960
BY HOTTEL, H C — DDC NR.
WILLIAMS, G C — CONTRACT NR. AF 33<616>-5746
JENSEN, W T — PROJ/TASK NR. 7013-70179
TOBEY, A C
RAYMOND, P M

ARL-TR 60-297
WESTINGHOUSE ELECTRIC CORP
SOLID STATE RESEARCH FOR THE ADVANCEMENT OF ELECTRONIC MATERIALS DECEMBER 1960
BY OSBORN, J A — DDC NR. 250992
CARR, W J — CONTRACT NR. AF 33<616>-5555
ALBERT, P A — PROJ/TASK NR. 7021-70651

ARL-TR 60-298
MIDWEST RESEARCH INSTITUTE
ON THE EVALUATION OF GENERALIZED AERODYNAMIC FORCES FOR TRIANGULAR WINGS WITH SUBSONIC LEADING EDGES AUGUST 1960
BY ZETTUNEL — DDC NR. 249650
BLACKBURN — CONTRACT NR. AF 33<616>-[illegible]76
LUKE, YL<PI> — PROJ/TASK NR. 7071

ARL-TR 60-299
MARQUARDT CORPORATION
INVESTIGATION OF THE INTERACTION OF HIGH VELOCITY IONS METALLIC SURFACES, OCTOBER 1960
BY PITKIN E T — DDC NR. 249379
MACGREGOR M A — CONTRACT NR. AF 33<616>-6844
SALEMME J — PROJ/TASK NR. 7116-03
BIERCE R

ARL-TR 60-300
REPUBLIC AVIATION CORP
PARAMETER DETERMINATION FOR SATELLITE GUIDANCE SEPT 1960
BY ABRAHAMS, S — DDC NR. 299087
COHEN, S R — CONTRACT NR. AF 33<616>-6547
STEIN H<PI> — PROJ/TASK NR. 5216

ARL-TR 60-301
NORTHWESTERN UNIVERSITY
RESEARCH ON THE PYROELECTRIC PROPERTIES OF SINGLE CRYSTALS OF CADMIUM SULFIDE AND ZINC SULFIDE AUGUST 1960
BY FRERICHS, R — DDC NR.
MINKUS, W — CONTRACT NR. AF 33<616>-5625
PROJ/TASK NR. 7021

ARL-TR 60-303
PLASMADYNE CORP
CALCULATION OF COLLISION CROSS SECTIONS BY USE OF RELAXATION TECHNIQUES AUGUST 1960
BY HELLUND, E — DDC NR. 246692
CONTRACT NR. AF 33<616>-6698
PROJ/TASK NR. 7073-02

ARL-TR-60-304
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON PERTURBATIONS OF SIMILARITY SOLUTIONS, DECEMBER 1961
BY GUDERLEY, K G — DDC NR.
PROJ/TASK NR.
CONTRACT NR.

ARL-TR 60-305
MINNESOTA UNIVERSITY OF
VISCOELASTIC BEHAVIOR OF SURFACES OF REVOLUTION UNDER COMBINED MECHANICAL AND THERMAL LOADS MAY 1961
BY SZE-FOO CHIEN — DDC NR. 266382
SCIPIO II LI — CONTRACT NR. AF 33<616>-5723
SCIPIO A<PI> — PROJ/TASK NR. 7063-02

ARL-TR 60-306
MICHIGAN, UNIVERSITY OF
AN INVESTIGATION OF TRANSPORT PROPERTIES OF PLASMAS USING THE LINEARIZED BOLTZMANN EQUATION AULY 1960
BY INRE, K — DDC NR. 252153
SIEGEL, K M<P.I .> — CONTRACT NR. AF 33<616>-5585
PROJ/TASK NR. 7073-02

ARL-TR 60-307
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DETECTION OF FATIGUE DAMAGE WITH RAYLEIGH WAVES
BY BROSENS P J — DDC NR. 244308
MANKIMI N A G — CONTRACT NR. AF 33<616>-6469
KHABBAZ G R — PROJ/TASK NR. 7063-02
RONA T<PI>

ARL-TR 60-308
PENNSYLVANIA UNIVERSITY OF
RESEARCH ON SELECTED ENERGETIC CLASSES OF MOLECULES CONTAINING SILICON SEPTEMBER 1960
BY CRAIG A D — DDC NR. 247152
MACDIARMID A G — CONTRACT NR. AF 33<616>-6516
WARD L G — PROJ/TASK NR. 7013-70355

ARL-TR 60-309
NATIONAL BUREAU OF STANDARDS
A STUDY OF EMBRITTLEMENT OF HIGH STRENGTH STEELS BY THE HYDROGEN ISOTOPES DECEMBER 1960
BY WOOD, G B — DDC NR. 250257
BRENNER, A — CONTRACT NR. AF 33<616>-58-18
PROJ/TASK NR. 7021-70645

ARL-TR 60-310
PENN STATE UNIVERSITY
RECOIL CHEMISTRY AND RADIATION CHEMISTRY OF HIGH ENERGY TRITIUM NUCLEI IN N-PENTANE DECEMBER 1960
BY CURRIE L A — DDC NR. 250262
CONTRACT NR. AF 33<616>-5094
PROJ/TASK NR. 7021-70347

ARL-TR 60-311
CURTISS WRIGHT
FREE FLIGHT HYPERSONIC HEAT TRANSFER AND BOUNDARY LAYER TRANSITION STUDY HTV FLIGHT A-40, A-41, DECEMBER 1960
BY ARUNK J F — DDC NR. 253021
WHITE W W — CONTRACT NR. AF 33<616>-6656
BURGGRAF O R — PROJ/TASK NR. 7064-70169

ARL-TR 60-312
ARMOUR RESEARCH FOUNDATION
THE OXIDATION OF CARBON MONOXIDE BEHIND SHOCK WAVESDECEMBER 1960
BY STEINBERG, M — DDC NR. 250264
DAVIES, W O — CONTRACT NR. AF 33<616>-5906
PROJ/TASK NR. 7013-70322

ARL-TR-60-313
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
LAYOUT SATELLITE FERRY OPERATION, OCTOBER 1960
WGL-ANN MTG, WEST GERMANY <NOV 1960>
BY TRAENKLE, C — DDC NR. 249382
CONTRACT NR.
PROJ/TASK NR. 7073

ARL-TR 60-916
NUCLEAR DEVELOPMENT CORP OF AMERICA
A PROGRAM FOR THE NUMERICAL INTEGRATION OF THE BOLTZMAN TRANSPORT EQUATION-NIOBE DECEMBER 1960
BY PRFISER S — DDC NR. 250939
RABINOWITZ G — CONTRACT NR. AF 33(616)-6184
DEDUFOUR F — PROJ/TASK NR. 7112-70717

ARL-TR 60-914
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
A COMPARISON OF THE PHOTOGRAPHIC DETECTIVITIES ATTAINABLE WITH AND WITHOUT ELECTRONIC LIGHT INTENSIFICATION, OCTOBER 1960
BY GEBEL, R E H — DDC NR. 249619
DEVOL, L — CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL-TR 60-916
NEW YORK UNIVERSITY
A STUDY OF A CLASS OF INTERMETALLIC COMPOUNDS, THE CHALCOPYRITES OCTOBER 1960
BY ZALAR, S — DDC NR. 252808
CADOFF, I — CONTRACT NR. AF 33(616)-3959
PROJ/TASK NR. 7021-02

ARL-TR 60-917
GARRETT CORP
AERODYNAMIC CRITERIA FOR OPTIMUM DESIGN OF MIXED-FLOW IMPELLERS SEPTEMBER 1961
BY DUSSORD J L — DDC NR. 269815
CONTRACT NR. AF 33(616)-2940
PROJ/TASK NR. 7069-70191

ARL-TR 60-918
LABORATOIRE DES HAUTES PRESSIONS
VACUUM ULTRAVIOLET SPECTROGRAPHIC INVESTIGATION OF GASEOUS IMPURITIES IN METALS OCTOBER 1960
BY VODAR, B — DDC NR. 249697
CONTRACT NR. AF 61(052)-77
PROJ/TASK NR. 7366-70366

ARL-TR-60-919
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
FERRY OPERATION WITH ELLIPTIC SATELLITE
PRES AERONAUTICS CORP-WGL WEST GERMANY (NOV 1960)
BY TRAENKLE, C — DDC NR. 249109
CONTRACT NR.
PROJ/TASK NR. 7079

ARL-TR 60-920
ROCKETDYNE, DIVISION OF NORTH AMERICAN AVIATION
ANALYTICAL STUDIES ON ION PROPULSION APRIL 1961
BY MOLITOR, J H — DDC NR. 269068
LITTMAN, T M — CONTRACT NR. AF 49(638)-649
MAECKER, H(P.I.) — PROJ/TASK NR. 7116-70192

ARL-TR 60-921
GENERAL ELECTRIC COMPANY
HIGH-PRESSURE RESEARCH IN METALS AND CERAMICS SEPTEMBER 196
BY EDUVEL, J S — DDC NR. 269693
HUDSON, J B — CONTRACT NR. AF 33(616)-5951
EDUVEL, J S — PROJ/TASK NR. 7021-70669
INFIELEJOHN, W M
BODDELL, D S
WILSON R M
WILSON R M
HIBBARD W R(PI)

ARL-TR 60-922
GEORGIA INSTITUTE OF TECHNOLOGY
THE EFFECTS OF RESONANT ACOUSTIC VIBRATIONS ON THE LOCAL AND OVERALL HEAT TRANSFER COEFFICIENTS FOR AIR FLOWING THROUGH AN ISOTHERMAL HORIZONTAL TUBE OCTOBER 1960
BY JACKSON T W — DDC NR. 249651
PURDY K R — CONTRACT NR. AF 33(616)-5762
OLIVER C C — PROJ/TASK NR. 7064-01
JOHNSON H L

ARL-TR-60-923
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
EXPERIMENTAL STUDIES ON THE INTERACTION OF STRONG SOUND FIELDS WITH FREE CONVECTION BOUNDARY LAYERS, OCTOBER 1960
AGARD MTG, LONDON, ENG (1960)
BY SOEMMER, F F — DDC NR. 249104
MOLMAR, J P — CONTRACT NR.
PROJ/TASK NR. 7064-70138

ARL-TR 60-924
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE ELECTRONIC CAMERA NOVEMBER 1960
BY LALLEMAND, A — DDC NR. 249229
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL-TR 60-925
PHYSICS ENGINEERING CHEMISTRY CORP
THE PHOTOCHEMICAL DECOMPOSITION OF WATER OCTOBER 1960
BY WEST R E — DDC NR. 249581
CONTRACT NR. AF 33(616)-6529
PROJ/TASK NR. 7116-70949

ARL-TR 60-926
ILLINOIS UNIVERSITY OF
STUDY OF THE ALLOYS OF TRANSITION ELEMENTS DECEMBER 1960
BY BECK, P A — DDC NR. 250961
WERT, C A(PI) — CONTRACT NR. AF 33(616)-6770
PROJ/TASK NR. 7021-01

ARL-TR 60-928
ITT LABORATORIES
THE SOLID STATE INFRARED MASER FEASIBILITY STUDY FEBRUARY 1961
BY HIRSH, H M — DDC NR. 244691
LEOPOLD, L — CONTRACT NR. AF 33(616)-6951
FISHER, P — PROJ/TASK NR. 7021-09
MURRAY, L

ARL-TR 60-929
PHYSICS, ENGINEERING, CHEMISTRY CORP
APPLICATION OF ASYMPTOTIC FORMULAE TO THE STUDY OF SINGULAR
BY MCKELVEY R W — DDC NR. 252809
CONTRACT NR. AF 33(616)-6748
PROJ/TASK NR. 7071-70432

ARL-TR 60-929
PHYSICS, ENGINEERING, CHEMISTRY CORP
APPLICATION OF ASYMPTOTIC FORMULAE TO THE STUDY OF SINGULAR BOUNDARY PROBLEM , PART I, A CLASS OF INDEFINITE BOUNDARY VALUE PROBLEMS DECEMBER 1960
BY MCKELVEY, R W — DDC NR. 253017
CONTRACT NR. AF 33(616)-6748
PROJ/TASK NR. 7071-70432

ARL-TR 60-929
PHYSICS, ENGINEERING, CHEMISTRY CORP
APPLICATION OF ASYMPTOTIC FORMULAE TO THE STUDY OF SINGULAR BOUNDARY PROBLEM, PART II, A BOUNDARY VALUE PROBLEM INVOLVING AN ORDINARY DIFFERENTIAL EQUATION WITH TWO TURNING POINTS DECEMBER 1960
BY MCKELVEY, R W — DDC NR. 253017
CONTRACT NR. AF 33(616)-6748
PROJ/TASK NR. 7071-70432

ARL-TR 60-930
UTAH, UNIVERSITY OF
HIGH PRESSURE PHYSICS DECEMBER 1960
BY GIBBS, P — DDC NR. 250930
BAKER, G S — CONTRACT NR. AF 33(616)-5016
DEVRIES, R L — PROJ/TASK NR. 7021-01
GALLI, J P
JONES M O
SPELY, J L

ARL-TR 60-932
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RESEARCH IN MECHANICAL PROPERTIES OF SINTERED ALUMINUM POWDERS DECEMBER 1960
BY MURPHY, R — DDC NR. 253219
RASMUSSEN, J — CONTRACT NR. AF 33(616)-5624
KOMATSU, N — PROJ/TASK NR. 7021-70608
GRANT, N J

ARL-TR 60-933
CORNELL AERONAUTICAL LAB
LOW-DENSITY STAGNATION-POINT HEAT TRANSFER IN HYPERSONIC AIR FLOW FEBRUARY 1961
CORNELL RPT NR AF-1270-A-1
BY WITTLIFF C E — DDC NR. 266268
WILSON M R — CONTRACT NR. AF 33(616)-6023
PROJ/TASK NR. 7064-01

ARL-TR 60-934
INDIANA, UNIVERSITY OF
AN EXPERIMENTAL INVESTIGATION ON THE CHEMISTRY AND INTERCONVERSION OF BORON HYDRIDES DECEMBER 1960
BY SCHAEFFER, R — DDC NR. 252810
CONTRACT NR. AF 33(616)-5827
PROJ/TASK NR. 7013-04

ARL-TR 60-937
RUTGERS UNIVERSITY
THE THEORY OF RECONNAISSANCE DECEMBER 1960
BY DANSKIN, J M — DDC NR. 254108
CONTRACT NR. AF 33(616)-5918
PROJ/TASK NR. 7071-70630

ARL-TR 60-938
SHEFFIELD UNIVERSITY OF
RESEARCH ON RECIRCULATION WITHIN ROCKET COMBUSTION CHAMBERS AUGUST 1960
BY THRING M W — DDC NR. 257616
CONTRACT NR. AF 61(052)-150
PROJ/TASK NR. 7013-70179

ARL-TR 60-939
EIFL, UNIVERSITY OF
THE STUDY OF THE UTILIZATION OF INSTABILITIES OF THE PINCH FOR PLASMA ACCELERATION 1 MAY 1960
BY BOTTICHER, W — DDC NR. 246883
RUHTENBRUCH, H — CONTRACT NR. AF 61(052)-87
WIENECKE, H — PROJ/TASK NR. 7073-01
HOLTGREVEN, L(P.I.)

ARL-TN-66
UPPSALA UNIVERISTY
EXCHANGE, CORRELATION, AND SPIN EFFECTS IN MOLECULAR AND SOLID-STATE THEORY JULY 15, 1960
BY LOWDIN, P O — DDC NR. 249969
CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7021-04

ARL 1
CALIFORNIA INSTITUTE OF TECHNOLOGY
A REVIEW OF RECENT RESEARCH AT CALTT CONCERNING FRACTURE INITIATION APRIL 1961
BY WILLIAMS M L — DDC NR. 260079
CONTRACT NR. AF 33(616)-5760
PROJ/TASK NR. 7069-02

ARL 3
ELECTRO-OPTICAL SYSTEMS, INC
INVESTIGATION OF NEAR ULTRAVIOLET TRANSMITTING LIQUIDS FOR USE AS KERR CELL FLUIDS IN TRANSIENT SPECTROGRAPHIC SHUTTERS JANUARY 1961
BY HAUSER, S M — DDC NR. 256699
MARSHALL, F R — CONTRACT NR. AF 33(616)-6669
PROJ/TASK NR. 7079-01

ARL 4
BROWN UNIVERSITY
HEAT TRANSFER IN SEPARATED FLOWS PART I PRELIMINARY EXPERIMENTS ON HEAT TRANSFER FROM AN INFINITE BLUFF PLATE TO AN AIR STREAM PART II SURVEY ON SEPARATED FLOWS WITH SPECIAL REFERENCE TO HEAT TRANSFER, JANUARY 1961
BY SOGIN H H — DDC NR. 254601
BURKHARDT E — CONTRACT NR. AF 33(616)-5796
RICHARDSON P D — PROJ/TASK NR. 7069-01

ARL 5
ALFRED UNIVERSITY
GRAIN SIZE EFFECTS ON THE THERMAL CONDUCTIVITY OF CERAMIC OXIDES FEBRUARY 1961
BY TINKLEPAUGH, J R — DDC NR. 256233
SWICA, J J — CONTRACT NR. AF 33(616)-3798
HOSKYNS — PROJ/TASK NR. 7022-02

ARL 6
POLYTECHNIC INSTITUTE OF BROOKLYN
THICK BOUNDARY LAYERS OVER SLENDER BODIES WITH SOME EFFECTS HEAT TRANSFER,MASS TRANSFER AND PRESSURE GRADIENT, DECEMBER 1960
BY STEIGER M H — DDC NR. 253312
BLOOM M H — CONTRACT NR. AF 33(616)-7661
FERRI A(PI) — PROJ/TASK NR. 7064-01

ARL-8
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
INTERNAL CONVERSION PROCESSES IN BIACETYL, JANUARY 1961
BY DUBOIS, J T — DDC NR. 256106
CONTRACT NR.
PROJ/TASK NR. 7013-70346

ARL 9
IOWA STATE UNIVERSITY
IRREGULAR FRACTIONS OF FACTORIAL EXPERIMENTS FEBRUARY 1961
BY ADDELMAN, S — DDC NR. 266356
CONTRACT NR. AF 33(616)-5599
PROJ/TASK NR. 7071-01

ARL 12
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE LIMITATIONS IN RESOLUTION AND DISCRIMINATION IN BRIGHTNESS DIFFERENCES FOR LIGHT AMPLIFIER SYSTEMS USING CONTRAST ENHANCEMENT JANUARY 1961
OHIO J SCI 61, NO 6 (1961)
BY GEBEL, R K H — DDC NR. 254682
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 13
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
A PORTABLE LOW LEVEL LIGHTMETER, APRIL 1961
BY GEBEL, R H K — DDC NR. 260500
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 14
EAGLE PICHER COMPANY
RESEARCH IN PURIFICATION OF CADMIUM SULFIDE CRYSTALS APRIL 1961
BY FAHRIG, R H — DDC NR. 259883
BEAN, K F — CONTRACT NR. AF 33(616)-6203
POWDERLY, J E — PROJ/TASK NR. 7116-70715
RODERIQUE, J S
MEDCALF, W E

ARL 15
MICHIGAN UNIVERSITY OF
EFFECTS OF COOLING ON TRANSITION IN THE BOUNDARY LAYER ON A HEMISPHERE IN SIMULATED HYPERSONIC FLOW FEBRUARY, 1961
BY DUNLAP ROGER — DDC NR. 256234
KUETHE A M — CONTRACT NR. AF 33(616)-6856
PROJ/TASK NR. 7064-70169

ARL 15
MICHIGAN UNIVERSITY OF
U EFFECTS OF COOLING ON TRANSITION IN THE BLUNDARY LAYER ON A HEMISPHERE IN SIMULATED HYPERSONIC FLOW APPENDIX C FEBRUARY 1961
APPENDIX C CONFIDENTIAL
BY DUNLAP R — DDC NR. 256234
KUETHE A M — CONTRACT NR. AF 33(616)-6856
PROJ/TASK NR. 7064-70169

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KINGS COLLEGE UNIVERSITY OF LONDON
RESEARCH PROGRAM IN RELATIVITY PHYSICS MAY 1961
BY BONDI H — DDC NR. 266359
CONTRACT NR. AF 61(052)-48
PROJ/TASK NR. 7114-01

ARL 17
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE LIMITING DETECTIVITY OF OPTICAL AMPLIFYING EQUIPMENT APRIL 1961
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BY GEBEL, R K H — DDC NR. 260219
DEVOL, L — CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 18
SYRACUSE UNIVERSITY
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BY BERGMANN, P G — DDC NR. 260089
CONTRACT NR. AF 33(616)-5069
PROJ/TASK NR. 7114-70709

ARL 19
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RESEARCH DIRECTED TOWARD THE QUANTIZATION OF THE GRAVITATIONAL FIELD MAY 1961
BY JANIS A — DDC NR. 260090
NEWMAN E — CONTRACT NR. AF 33(616)-5540
PROJ/TASK NR. 7114-70710

ARL 20
MIDWEST RESEARCH INSTITUTE
ON THE APPROXIMATE INVERSION OF SOME LAPLACE TRANSFORMS MAY 1961
BY LUKE, Y L — DDC NR. 259869
CONTRACT NR. AF 33(616)-7062
PROJ/TASK NR. 7071-02

ARL 21
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BY LI, P C — DDC NR. 265832
GHOSE, A C — CONTRACT NR. AF 33(616)-5698
SU, G J — PROJ/TASK NR. 7013-04

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CALIFORNIA INSTITUTE OF TECHNOLOGY
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BY ANG D D — DDC NR. 266345
WILLIAMS M L — CONTRACT NR. AF 33(616)-5740
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BY VALLURI S R — DDC NR. 266346
WILLIAMS M L (PI) — CONTRACT NR. AF 33(616)-5740
PROJ/TASK NR. 5740-02

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BY STIMPSON L D — DDC NR. 266347
EATON D M — CONTRACT NR. AF 33(616)-5740
WILLIAMS M L(PI) — PROJ/TASK NR. 5740-02

ARL 25
CALIFORNIA INSTITUTE OF TECHNOLOGY
THE BENDING STRESS DISTRIBUTION AT THE BASE OF A STATIONARY CRACK AUGUST 1961
BY WILLIAMS M L — DDC NR.
CONTRACT NR. AF 33(616)-5740
PROJ/TASK NR. 5740-02

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RHODE-SAINT-GENESE
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BY STERNE L H G — DDC NR. 255739
CONTRACT NR. AF 61(052)-384
PROJ/TASK NR. 7116-01

ARL 27
SFERI-COANDA
ANALYSIS OF THRUST DUE TO THE COANDA PHENOMENON 29 OCTOBER 1960
BY COANDA H — DDC NR. 255741
CONTRACT NR. AF 61(052)-382
PROJ/TASK NR. 7116-01

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CHICAGO, UNIVERSITY OF
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BY LEPPY, A R — DDC NR. 265981
BROWN W G — CONTRACT NR. AF 33(616)-3875
PROJ/TASK NR. 7023-03

ARL 29
WEIZMANN INSTITUTE OF SCIENCE
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BY TALMI I — DDC NR. 261421
UNNA, I — CONTRACT NR. AF 61(052)-56
PROJ/TASK NR. 7112-70716

ARL 30
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
MEASUREMENT OF DEUTRON POLARIZATION PRODUCED BY D-SCATTERING AT 1.07 MEV APRIL 1961
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BY PONDROM, L G — DDC NR. 260091
DAUGHTRY, J W — CONTRACT NR.
PROJ/TASK NR. 7112-70716

ARL-31-PART I
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THE USE OF SAMPLE RANGES AND QUASI-RANGES IN SETTING EXACT CONFIDENCE BOUNDS FOR THE POPULATION STANDARD DEVIATION, PART I, THE RANGE OF SAMPLES FROM A RECTANGULAR POPULATION-PROBABILITY INTEGRAL AND PERCENTAGE POINTS EXACT CONFIDENCE BOUND FOR MAY 1961
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

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GENERAL MILLS
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BY ANDERSON, A — DDC NR. 266696
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RITTERHOUSE, D — PROJ/TASK NR. 7022-01
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ARL 33
ISRAEL INSTITUTE OF TECHNOLOGY
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BY REINER M — DDC NR. 259406
ABIR D — CONTRACT NR. AF 61(052)-304
PROJ/TASK NR. 7063-02

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BY CHANG, C C — DDC NR. 265234
YEN, J T — CONTRACT NR. AF 33(616)-6037
LUNDGREN, T S — PROJ/TASK NR. 7071-03
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BY NOZIERES, PH — DDC NR.
BALKANSKI, M — CONTRACT NR. AF 61(052)-190
PROJ/TASK NR. 7089-02

ARL 96
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PROGRESS IN THE FIELD OF RELATIVITY JULY 1960
BY JORDAN, P — DDC NR.
CONTRACT NR. AF 61(052)-147
PROJ/TASK NR. 7114-70709

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UPPSALA UNIVERSITY
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BY FROMAN, A — DDC NR. 256880
LOWDIN, P. O.(P.I.) — CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7023-06

ARL 98
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BY FERRI A — DDC NR. 254870
ZAKKAY V — CONTRACT NR. AF 33(616)-7661
PROJ/TASK NR. 7064-01

ARL 99
UPPSALA UNIVERSITY
A STATE OF THE ART SURVEY OF SOME ASPECTS OF THE AERODYNAMICS OF HIGHLY RAREFIED GASES MARCH 1961
BY PATTERSON G N — DDC NR. 258966
CONTRACT NR. AF 33(616)-6990
PROJ/TASK NR. 7064-01

ARL 60
ISRAEL INSTITUTE OF TECHNOLOGY
THE STATISTICAL DISTRIBUTION OF THE MAGNETIC MICROFIELD IN PLASMA 10 OCTOBER 1960
BY KALMAN G — DDC NR. 254591
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PROJ/TASK NR. 7073-70852

ARL 61
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BY WITTEN, L — DDC NR. 269291
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PROJ/TASK NR. 7114-70710

ARL 62
ISRAEL INSTITUTE OF TECHNOLOGY
COLLECTIVE MOTIONS IN A PLASMA DUE TO MAGNETIC INTERACTION NOVEMBER 1960
BY KALMAN G — DDC NR. 254592
CONTRACT NR. AF 61(052)-399
PROJ/TASK NR. 7073-70852

ARL 63
QUEEN-S UNIVERSITY
THE PROBLEM OF RADIATION FROM PLASMAS AUGUST 1960
BY EMELEUS, K G — DDC NR. 256616
GARSCADDEN, A — CONTRACT NR. AF 61(052)-132
PROJ/TASK NR. 7073-03

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OHIO STATE UNIVERSITY
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BY NEREM R M — DDC NR. 266876
LEE J D(P.I.) — CONTRACT NR. AF 33(616)-5593
PROJ/TASK NR. 7065-01

ARL 65
DAYTON UNIVERSITY OF
PRESSURE ENERGY EXCHANGE PRINCIPLE MAY 1961
BY MINARDI J F — DDC NR. 260082
PAN C F — CONTRACT NR. AF 33(616)-6417
WRIGHT M F — PROJ/TASK NR. 7063-01

ARL 66
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BY NICHIELSEN H F — DDC NR. 260326
KROP M A — CONTRACT NR. AF 66(616)-6638
PROJ/TASK NR. 7041-70453

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BY SEGEL, R E — DDC NR. 263978
DAUGHTRY, J W — CONTRACT NR.
OLNESS, J W — PROJ/TASK NR. 7112-70716

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A DISCUSSION OF THEORIES OF GRAIN-BOUNDARY DIFFUSION JULY 1961
BY MAHERI, C C — DDC NR. 269461
MILFORD, F J — CONTRACT NR. AF 33(616)-6265
AUSTIN, A E(P.I.) — PROJ/TASK NR. 7021-01

ARL 69
BATTELLE MEMORIAL INSTITUTE
STUDIES OF GRAIN-BOUNDARY DIFFUSION BY ELEC-TRON-PROBE MICROANALYSIS JULY 1961
BY RICHARD N A — DDC NR. 269616
SCHWARTZ, C M — CONTRACT NR. AF 33(616)-6265
PROJ/TASK NR. 7021-01

ARL 90
UPPSALA UNIVERSITY
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BY MCWEENY, R — DDC NR. 256065
LOWDIN, P. O.(P.I.) — CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7023-06

ARL 91
POLYTECHNIC INSTITUTE OF BROOKLYN
AN APPROXIMATE SOLUTION FOR THE AXISYMMETRIC JET OF A LAMINAR COMPRESSIBLE FLUID APRIL 1961
BY ELEINSTEIN G — DDC NR. 257808
FERRI A(P.I.) — CONTRACT NR. AF 33(616)-7661
PROJ/TASK NR. 7064-01

ARL 92
SHEFFIELD, UNIVERSITY OF
A STUDY OF HALOGENATION OF ALIPHATIC HYDROCARBONS AND DERIVATIVES THEREOF AUGUST 1961
BY TEDDER, J M — DDC NR. 269726
FREDERICKS, P S — CONTRACT NR. AF 61(052)-62
PROJ/TASK NR. 7023-70317

ARL 93
TORONTO UNIVERSITY OF
DRAG MEASUREMENTS ON CIRCULAR CYLINDERS AND SPHERES IN THE TRANSITION REGIME AT A MACH NUMBER OF 2 APRIL 1961
BY SREEKANTH A K — DDC NR. 258567
PATTERSON G N(P.I.) — CONTRACT NR. AF 33(616)-[illegible]
PROJ/TASK NR. 7064-01

ARL 94
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BY DAHLSTROM F E — DDC NR. 324919
CONTRACT NR. AF 33(616)-6791
PROJ/TASK NR. 7063-02

ARL 95
GENERAL ELECTRIC COMPANY
DEFORMATION OF REFRACTORY CRYSTALS, SEPTEMBER 1961
BY KRONBERG, M L — DDC NR. 269220
WESTBROOK, J H — CONTRACT NR. AF 33(616)-5511
MAY, J F — PROJ/TASK NR. 7022-02
AUBREY, J(P.I.)

ARL 56
GENERAL ELECTRIC COMPANY
RESEARCH ON THE BEHAVIOR OF NEARLY OF NEARLY PERFECT CRYSTALS, JULY 1961
BY GORSUCH, P D — DDC NR. 269522
ALDER, T H — CONTRACT NR. AF 33(616)-618
PROJ/TASK NR. 7021-01

ARL 57
FLIGHT SCIENCES LAB INC
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BY BOEHMS F [illegible] — DDC NR. 268418
CONTRACT NR. AF 33(616)-6533
PROJ/TASK NR. 7114-01

ARL 58
ILLINOIS, UNIVERSITY OF
FATIGUE CRACK PROPAGATION AND APPLIED STRESS--- AN ENERGY APPROACH SEPTEMBER 1961
BY LIU, H W — DDC NR. 270218
SINCLAIR, G M(P.I.) — CONTRACT NR. AF 33(616)-[illegible]
PROJ/TASK NR. 7026-01

ARL 59
NATIONAL BUREAU OF STANDARDS
STUDIES OF THE PARTICLE-IMPACT PROCESS FOR APPLYING CERAMIC AND CERMET COATINGS AUGUST 1961
BY MOORE, D Z — DDC NR. 266181
FIBREKS, A G — CONTRACT NR. AF 33(616)-58-14
THORNTON, H R — PROJ/TASK NR. 7022-70666
HAYES, J W D
CRIGLER, A W

ARL 60
ELECTRO-OPTICAL SYSTEMS, INC.
CHEMICAL REACTIONS TO CONVERT SOLAR ENERGY INTO POWER SOURCES SEPTEMBER 1961
BY ROWLETTE, J J — DDC NR. 269508
CONTRACT NR. AF 33(616)-6566
PROJ/TASK NR. 7114-70709

ARL 61
OHIO STATE UNIVERSITY
COMBUSTION PHENOMENA AS A FUNCTION OF PRESSURE SEPTEMBER 61
BY STRAUSS, W A — DDC NR. 269671
PLICKERBAUM, J W — CONTRACT NR. AF 33(616)-6439
EDSE, R — PROJ/TASK NR. 7013-70331

ARL 62
LOCKHEED AIRCRAFT CORP
SURVEY AND ANALYSIS OF HYPERSONIC AND RE-ENTRY VEHICLES SEPTEMBER 1961
BY LANGE R H — DDC NR. 269238
LITTLE JR R H — CONTRACT NR. AF 33(616)-7237
WYLREA R W — PROJ/TASK NR. 7064-01
JACOBS W F

ARL 63
CALIFORNIA UNIVERSITY OF
AN ELECTRIC RESISTANCE AIR HEATER FOR A LOW DENSITY WIND TUNNEL SEPTEMBER 1961
BY WATSON V R — DDC NR. 272007
MASLACH G F(P.I.) — CONTRACT NR. AF 33(616)-6161
PROJ/TASK NR. 7064-01

ARL 64
CALIFORNIA UNIVERSITY OF
STRONG INTERACTION WITH SLIP BOUNDARY CONDITIONS
SEPTEMBER 1961
BY ARDESTY J DDC NR. 269539
MASLACH G F<PI> CONTRACT NR. AF 33<616>-6161
PROJ/TASK NR. 7064-01

ARL 65
POLYTECHNIC INSTITUTE OF BROOKLYN
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THEORY, INCLUDING RATE THERMOCHEMISTRY JUNE 1961
BY GAITATZES G DDC NR. 259927
BLOOM M H CONTRACT NR. AF 33<616>-7661
FERRI A<PI> PROJ/TASK NR. 7064-01

ARL 66
FRANKLIN INSTITUTE
RESEARCH ON FINE PARTICLE MAGNETIC MATERIALS SEPTEMBER 61
BY SCHUELE, W J DDC NR. 269523
HERMAN, M <P .I.> CONTRACT NR. AF 33<616>-6922
PROJ/TASK NR. 7021-70651

ARL 67
NEW YORK UNIVERSITY
A STUDY OF A CLASS OF INTERMETALLIC COMPOUNDS, THE
CHALCOPYRITES SEPTEMBER 1961
BY CADOFF, I DDC NR. 269926
CONTRACT NR. AF 33<616>-3959
PROJ/TASK NR. 7021-02

ARL 68
LOUVAIN UNIVERSITY OF
EXPERIMENTAL INVESTIGATION OF IONIZATION PROCESSES IN
FLAMES MAY 1961
BY VANTIGGELEN A DDC NR. 258050
BERTRAND J N CONTRACT NR. AF 61<052>-398
PHILIPPAERT H PROJ/TASK NR. 7013-70322

ARL 69
OHIO STATE UNIVERSITY
MAGNETOHYDRODYNAMIC EFFECTS ON EXOTHERMAL WAVES
SEPTEMBER 1961
BY FONG M C DDC NR. 269280
BOLLINGER L E CONTRACT NR. AF 33<616>-5615
EDSE R PROJ/TASK NR. 7065-01

ARL 70
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
A CLASSIFICATION OF FOUR-DIMENSIONAL RIEMANNIAN SPACES,
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J MATH PHYS VOL 2, P 202, MAR-APR 61>
BY SCHELL, J F DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70710

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ISRAEL INSTITUTE OF TECHNOLOGY
VELOCITY DEPENDENT CORRELATIONS IN THE STATISTICAL
DISTRIBUTION OF THE ELECTRIC MICROFIELD IN A PLASMA 25 MAR
1961
BY RON, A DDC NR. 258242
KALMAN, G CONTRACT NR. AF 61<052>-177
PROJ/TASK NR. 7073-02

ARL 72
ISRAEL INSTITUTE OF TECHNOLOGY
INTERACTION OF A TEST PARTICLE WITH A PLASMAENERGY LOSS OF
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BY KALMAN, G DDC NR. 258439
RON, A CONTRACT NR. AF 61<052>-177
PROJ/TASK NR. 7073-02

ARL 73
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STRUCTURE OF VITREOUS AND LIQUID BORON TRIOXIDE AND SOME
SIMPLE BORATES SEPTEMBER 1961
BY MACKENZIE, J D DDC NR. 269226
CONTRACT NR. AF 33<616>-5699
PROJ/TASK NR. 7013-04

ARL 74
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EINSTEIN SPACES WITH FOUR-PARAMETER HOLONOMY GROUPS,
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J MATH PHYS VOL 2, P 332, MAY-JUNE 61
BY KERR R P DDC NR.
GOLDBERG, J N CONTRACT NR.
PROJ/TASK NR. 7114-70709

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CALIFORNIA UNIVERSITY OF
STRUCTURAL LAMINATES LITERATURE SURVEY SEPTEMBER 1961
BY TAYLOR R L DDC NR. 269538
PISTER K S CONTRACT NR. AF 33<616>-6910
PROJ/TASK NR. 7063-70524

MATTHIESEN R B

ARL 76
CALIFORNIA UNIVERSITY OF
ANALYSIS OF STRUCTURAL LAMINATES SEPTEMBER 1961
BY TAYLOR R L DDC NR. 269541
PISTER K S CONTRACT NR. AF 33<616>-6910
DONG S B PROJ/TASK NR. 7063-70524

ARL 77
GENERAL ELECTRIC COMPANY
MECHANICAL PROPERTIES OF LARGE DISLOCATION-FREE CRYSTALS,
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BY DASH, W C DDC NR. 269407
CONTRACT NR. AF 33<616>-6780
PROJ/TASK NR. 7024-02

ARL 78
BRANDEIS UNIVERSITY
ELECTRON PARAMAGNETIC RESONANCE OF IMPURITIES IN WURTZITE
AND SIMILAR CRYSTAL LATTICES 31 MAY 1961
BY DORAIN, P B DDC NR. 261760
CONTRACT NR. AF 33<616>-6401
PROJ/TASK NR. 7805-03

ARL 79
IOWA STATE UNIVERSITY
ORTHOGONAL MAIN-EFFECT PLANS NOVEMBER 1961
BY KEMPTHORNE, O DDC NR. 272250
CONTRACT NR. AF 33<616>-5599
PROJ/TASK NR. 7071-01

ARL 80
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A STUDY OF COMPENSATION METHODS FOR INERTIAL ACCELEROMETERS
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BY MAURER M DDC NR. 274158
CONTRACT NR. AF 33<616>-6502
PROJ/TASK NR. 7063-70530

ARL 81
LABORATOIRE DE PHYSIQUE, ECOLE, NORMALE SUPERIFURE
OPTICAL TRANSITIONS NEAR THE ABSORPTION EDGE IN CDS, AUG 61
BY BALKANSKI, M DDC NR. 261240
DES CLOIZEAUX, J CONTRACT NR. AF 61<052>-130
PROJ/TASK NR. 7885-02

ARL 82
CONTINENTAL OIL COMPANY
DIESTERS WITH IMPROVED THERMAL AND HYDROLYTIC STABILITY
AUGUST 1961
BY DURR, JR, A M DDC NR. 266349
MEADOR, W R CONTRACT NR. AF 33<616>-5112
THOMPSON, C E PROJ/TASK NR. 7023-70304

ARL 83
CARNEGIE INSTITUTE OF TECHNOLOGY
ENERGY OF CRACK FORMATION AND CRACK PROPAGATION UNDER IMPACT
LOADING JULY 1961
BY WELLS, C DDC NR. 266348
TRIPLETT, W B CONTRACT NR. AF 33<616>-5830
PROJ/TASK NR. 7024-01

ARL 84
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH
OXIDATION OF TANTALUM IN THE TEMPERATURE RANGE 500-700°C
APRIL 1961
BY KOFSTAD, P DDC NR. 267074
CONTRACT NR. AF 61<052>-90
PROJ/TASK NR. 7022-70646

ARL 85
SYRACUSE UNIVERSITY
RESEARCH PROGRAM IN THE THEORY OF ELEMENTARY PARTICLES
NOVEMBER 1961
BY ARNOWITT, R DDC NR.
CONTRACT NR. AF 33<616>-5598
PROJ/TASK NR. 7114-70710

ARL 86
UPPSALA UNIVERSITY
ELECTRODELESS GENERATION AND ACCELERATION OF PLASMA RINGS
21 AUGUST 1959
BY HOGBERG, L DDC NR. 260197
SIEGBAHN K CONTRACT NR. AF 61<052>-170
BOCKASTEN, K PROJ/TASK NR. 7073-01
OHLIN, P<P.I.>

ARL 87
UPPSALA UNIVERSITY
EXPERIMENTS WITH ELECTRODELESS GENERATION AND ACCELERATION
OF PLASMA RINGS 1 OCTOBER 1960
BY HOGBERG, L DDC NR. 260198
VOGEL, K CONTRACT NR. AF 61<052>-170
SIEGBAHN K<PI> PROJ/TASK NR. 7073-01
PHLIN, P <PI>

ARL 88
UPPSALA UNIVERSITY
TRANSFORMATION OF OBSERVED PROJECTED INTENSITIES INTO
RADIAL DISTRIBUTION OF THE EMISSION OF A PLASMA 4 JULY 1960
BY BOCKASTEN, K DDC NR. 260199
SIEGBAHN, K<P.I.> CONTRACT NR. AF 61<052>-170
PHLIN P<PI> .> PROJ/TASK NR. 7073-01

ARL 89
CARNEGIE INSTITUTE OF TECHNOLOGY
ON SOME TRANSFORMATIONS IN THE ANALYSIS OF VARIANCE
DECEMBER 1961
BY OLDS, E G DDC NR. 274100
BRANSON, M CONTRACT NR. AF 33<616>-3878
ODEH, R E PROJ/TASK NR. 7071-70429

ARL 90
CHICAGO, UNIVERSITY OF
RADIOLYSIS OF LIQUID METHANOL-INHIBITORY EFFECTS OF
ADDITIVES NOVEMBER 1961
BY BROWN, W G DDC NR. 274539
EBERHARDT, M K CONTRACT NR. AF 33<616>-3875
PROJ/TASK NR. 7023-03

ARL 91
CHICAGO, UNIVERSITY OF
RADIATION EFFECTS ON ORGANIC MATERIALS DECEMBER 1961
BY BROWN, W G DDC NR. 272213
CONTRACT NR. AF 33<616>-3875
PROJ/TASK NR. 7023-03

ARL 92
OSLO UNIVERSITY OF
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BY HYLLERAAS E A DDC NR. 259776
MIDTDAL, J CONTRACT NR. AF 61<052>-134
PROJ/TASK NR. 7023-04

ARL 93
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SOME APPLICATIONS OF THE INFINITESIMALHOLONOMY GROUP TO
THE PETRON CLASSIFICATION OF EINSTEIN SPACES JULY 1961
J MATH PHYS VOL 2, P 307 MAY-JUN 61
BY GOLDBERG, J N DDC NR. 263332
KERR, R P CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL 94
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PARITY CONSERVATION IN NUCLEAR REACTIONS SEARCH FOR DECAY OF THE 8.88 MEV STATE IN 016 JULY 1961
BY SEGEL, R E — CONTRACT NR.
OLNESS, J W — CONTRACT NR.
SPRENKEL, F L — PROJ/TASK NR. 7112-70716

ARL 95
OHIO STATE UNIVERSITY
A STUDY OF THE KINETICS OF ALLOTROPIC TRANSFORMATIONS IN METALS DECEMBER 1961
BY MANCINI, G A — DDC NR. 238400
WHITE, R A — CONTRACT NR. AF 33<616>-6109
POWELL, G W — PROJ/TASK NR. 7021-04
SPRETNAK, J W

ARL 96
POLYTECHNIC INSTITUTE OF BROOKLYN
THE VISCOSITY OF LIQUID MIXTURES DECEMBER 1961
BY SEDGWICK, O — DDC NR. 272772
COLLINS, F C — CONTRACT NR. AF 33<616>-3894
PROJ/TASK NR. 7013-02

ARL 97
CASE INSTITUTE OF TECHNOLOGY
SOME PROBLEMS IN THE ANALYSIS OF QUEUING SYSTEMS DECEMBER 1961
BY SASIENI, M W — DDC NR. 275250
CONTRACT NR. AF 33<616>-6446
PROJ/TASK NR. 7071-01

ARL 98
KINGS COLLEGE UNIVERSITY OF LONDON
GEOMETRICAL AND PHYSICAL INTERPRETATION OF THE WEYL CONFORMAL CURVATURE TENSOR 1 MAY 1961
BY PIRANI F A E — DDC NR. 260083
SCHILD A — CONTRACT NR. AF 61<052>-457
BONDI H<PI> — PROJ/TASK NR. 7114-01

ARL 99
AEROCHEM RESEARCH LABORATORY
CONVECTIVE HEAT TRANSFER WITH CHEMICAL REACTION I THEORETICAL DEVELOPMENT OF CORRELATION FORMULAE FOR THE PREDICTION OF HEAT FLUXES IN HIGH PERFORMANCE ROCKET MOTORS AND RELATED SYSTEMS AUGUST 1961 PT I
BY ROSNER D E — DDC NR. 269816
CONTRACT NR. AF 33<616>-6216
PROJ/TASK NR. 7013-70169

ARL 99
AEROCHEM RESEARCH LABORATORY
CONVECTIVE HEAT TRANSFER WITH CHEMICAL REACTION PART II EXPERIMENTAL STUDIES OF HEAT TRANSFER FROM COMBUSTION GASES TO SOLID SURFACES AUGUST 1961
BY ROSNER D E — DDC NR. 272909
CONTRACT NR. AF 33<616>-6216
PROJ/TASK NR. 7013-70169

ARL 100
CORNELL UNIVERSITY
KINETICS OF REACTIONS IN SHOCK TUBES DECEMBER 1961
BY BAUER, S H — DDC NR. 275566
ASSISTANTS — CONTRACT NR. AF 33<616>-6694
PROJ/TASK NR. 7013-04

ARL 101
STANFORD UNIVERISTY
FACTORS AFFECTING THE HIGH TEMPERATURE STRENGTH OF POLYCRYSTALLINE SOLIDS DECEMBER 1961
BY SHERBY, O D — DDC NR. 272146
CONTRACT NR. AF 33<616>-6789
PROJ/TASK NR. 7021-01

ARL 102
PHYSICS, ENGINEERING, CHEMISTRY CORP
QUANTUM MECHANICAL STUDY OF THE VISCOSITY OF GASES DECEMBER 1961
BY ASHBY, N — DDC NR. 272773
CONTRACT NR. AF 33<616>-7602
PROJ/TASK NR. 7071-03

ARL 103
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ZGAX - AN ARC EXPERIMENT PERFORMED UNDER ZERO-GRAVITY AUGUST 1961
BY RAUTIO, R — DDC NR. 273285
CONTRACT NR.
PROJ/TASK NR. 7073-70712

ARL 104
UPPSALA UNIVERSITY
NUCLEAR STATE WAVE FUNCTIONS GENERATED BY PROJECTION OPERATORS 1 OCTOBER 1960
BY CALAIS, J L — DDC NR. 261220
LOWDIN, P O<P.I.> — CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL 105
UPPSALA UNIVERSITY
STUDIES ON THE ALTERNANT MOLECULAR ORBITAL METHOD. I. GENERAL ENERGY EXPRESSION FOR AN ALTERNANT SYSTEM WITH CLOSED SHELL STRUCTURE 1 NOVEMBER 1960
BY PAUNCZ, R — DDC NR. 261221
DEHEER J — CONTRACT NR. AF 61<052>-351
LOWDIN, P O — PROJ/TASK NR. 7023-04

ARL 106
UPPSALA UNIVERSITY
STUDIES ON THE ALTERNANT MOLECULAR ORBITAL METHOD. II. APPLICATION TO CYCLIC SYSTEMS 1 NOVEMBER 1960
BY PAUNCZ, R — DDC NR. 261222
DEHEER, J — CONTRACT NR. AF 61<052>-351
LOWDIN, P O — PROJ/TASK NR. 7023-04

ARL 107
UPPSALA UNIVERSITY
REPORT FROM THE INTERNATIONAL SUMMER INSTITUTE AND SYMPOSIUM IN QUANTUM CHEMISTRY HELD AT UPPSALA UNIVERSITY UPPSALA UNIVERSITY,UPPSALA,SWEDEN-17 JULY-21 AUGUST 1960. GROUP FOR RESEARCH IN ATOMIC, MOLECULAR AND SOLIDSTATE THEORY.
BY LOWDIN, P O<P.I.> — DDC NR. 261223
CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL 108
UPPSALA UNIVERSITY
ON THE NON-ORTHOGONALITY PROBLEM FOR INTERACTING ELECTRONIC SYSTEMS 15 JANUARY 1961
BY MCWEENY, R — DDC NR. 261225
CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL 109
UPPSALA UNIVERSITY
PERTURBATION THEORY FOR THE FOCK-DIRAC DENSITY MATRIX 15 MARCH 1961
BY MCWEENY, R — DDC NR. 261224
LOWDIN, P O <P.I.> — CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL 110
UPPSALA UNIVERSITY
APPROXIMATE ANALYTICAL WAVE FUNCTIONS FOR THE 1S2NS2S1/2 STATES OF LI AND LI-LIKE IONS 15 APRIL 1961
BY RITTER, Z W — DDC NR. 261003
PAUNCZ, R — CONTRACT NR. AF 61<052>-351
APPEL, K — PROJ/TASK NR. 7023-04
LOWDIN, P O<P.I.>

ARL 111
COPENHAGEN, UNIVERSITY OF
THEORY OF IRREVERSIBLE PROCESSES I. PARAMETERS OF SMALLNESS 1 MAY 1961
BY HIGGINS, J — DDC NR. 261155
BAK T A<PI> — CONTRACT NR. AF 61<052>-133
PROJ/TASK NR. 7013-01

ARL 112
KINGS COLLEGE UNIVERSITY OF LONDON
ON THE CONSISTENCY OF DIACS CANONICAL FORMULATION OF GENERAL RELATIVITY AUGUST 1961
BY ANDERSON J L — DDC NR. 263605
BONDI H<PI> — CONTRACT NR. AF 61<052>-457
PROJ/TASK NR. 7114-01

ARL-113
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PRECIPITATION AND DETERMINATION OF TANTALUM AND NIOBIUM FROM HOMOGENEOUS SOLUTION WITH 3,3 4 5, 7-PENTAMYDROXYFLAVANONE, 1961.
TALANTA 7, 253-263 <PERGAMON PRESS> 1961
BY CHAN, F L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7023-702302

ARL-114
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
EXPECTED VALUES OF NORMAL ORDER STATISTICS, 1961
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-115
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
DETERMINATION OF RELATIVE STABILITY OF UREA COMPLEXES FROM X-RAY POWDER DIFFRACTION DATA 1960.
ADVANCES IN X-RAY ANALYSIS, VOL IV, PLENUM PRESS, N Y. <1961>
BY CONNOLLY, J W — DDC NR.
RADELL, J — CONTRACT NR.
PROJ/TASK NR. 7013-70355

ARL-116
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SECONDARY PROCESSES IN GAS PHASE RADIOLYSIS OF HYDROCARBONS, 1961.
J PHYS CHEM 65, 565, <1961>.
BY FUTRELL, J H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70347

ARL 117
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
REV SCI INSTR VOL 32 MAR 61
NOTES ON A HIGH PRESSURE GAS APPARATUS 1961
BY LANGER, D — DDC NR.
WARSCHAUER, D M — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL-118
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE
THE METHOD OF MOMENTS APPLIED TO A MIXTURE OF TWO EXPONENTIAL DISTRIBUTIONS, MARCH 1961
BY RIDER, P R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-119
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON THE ANALYSIS OF SPLIT-PLOT EXPERIMENTS, MARCH 1961
BIOMETRICS, VOL 17, 114-149<1961>
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 120
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
OBSERVATIONS ON THE DUCTILITY AND FRACTURE OF RECRYSTALLIZED CHROMIUM APRIL 1961
METALLURGICAL SOC OF AIME VOL 221 APR 61
BY HOOK, R E — DDC NR. 269043
ADAIR, A M — CONTRACT NR.
LIPSITT, H A — PROJ/TASK NR. 7024-70667

ARL-121
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SYNTHESIS, PROPERTIES AND SPECTRA OF PARTIALLY FLUORINATED ESTERS, APR 1961.
J CHEM ENGRG DATA, 6, 282 <1961>
BY CONNOLLY, J W — DDC NR.
RADELL, J — CONTRACT NR.
PROJ/TASK NR. 7013-70355

ARL 122
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE LIMITATIONS FOR NIGHT-TIME DETECTION OF CELESTIAL BODIES EMPLOYING THE INTENSIFIER-STORAGE-IMAGE ORTHICON 1961
OHIO J SCI VOL 61, <3>, 129-147 <1961>
BY GEBEL, R K H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 123
ILLINOIS UNIVERSITY OF
DISPERSION OF ION CYCLOTRON WAVES IN MAGNETOPLASMAS DECEMBER 1961
BY ENGELHARDT A G — DDC NR. 272400
DOUGAL A A — CONTRACT NR. AF 33<616>-7960
PROJ/TASK NR. 7073-70712

ARL 124
NEW YORK UNIVERSITY
RESEARCH ON ORGANOALUMINUM COMPOUNDS DECEMBER 1961
BY WEISS, K — DDC NR. 274499
MARSEL, C J — CONTRACT NR. AF 33<616>-5610
PROJ/TASK NR. 7013-04

ARL 125
TOLEDO UNIVERSITY OF
SUPERSONIC CASCADE STUDIES PART I PASSAGE STUDIES DECEMBER 1961
BY FEJER A — DDC NR. 271989
HEATH G L — CONTRACT NR. AF 33<616>-5737
PROJ/TASK NR. 7116-03

ARL 126
TOLEDO UNIVERSITY OF
SUPERSONIC CASCADE STUDIES PART II MIXING OF SUPERSONIC JETS DECEMBER 1961
BY FEJER A A — DDC NR. 271190
PROJ/TASK NR. 7116-03

ARL 127
UPPSALA UNIVERSITY
SOME CHARACTERISTICS OF A TORODIAL PINCH WITH REVERSED FIELD 17 MAY 1961
BY BERGLUND S — DDC NR. 264483
SVENNERSTEDT S — CONTRACT NR. AF 61<052>-170
SIEGBAHN K<PI> — PROJ/TASK NR. 7073-70712
OHLIN P<PI>

ARL 127
UNIVERSAL MATCH
RESEARCH ON A DUAL FREE-ROTOR DIRECTION-SENSING DEVICE DECEMBER 1961
BY MARCUS R — DDC NR. 274365
CAPPELLUPO J P — CONTRACT NR. AF 33<616>-6201
LINDBERG A W — PROJ/TASK NR. 7063-02

ARL 128
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DELAYED ALPHA PARTICLES FROM 16N JANUARY 1961
BY SEGEL, R E — DDC NR.
OLNESS, J W — CONTRACT NR.
SPRENKEL, E L — PROJ/TASK NR. 7112-70716

ARL 129
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THERMODYNAMIC PERFORMANCE STUDY OF POSSIBLE WORKING FLUIDS FOR NON-CHEMICAL ROCKETS, 1961
BALLISTIC MISSILES AND SPACE TECHNOLOGY VOL II, 1961
BY KISSELL, K E — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 9058-70160

ARL 130
SOUTHAMPTON UNIVERSITY OF
SIMPLIFIED SUDDEN-FREEZING ANALYSIS FOR NONEQUILIBRIUM NOZZLE FLOWS DECEMBER 1960
BY BRAY K N C — DDC NR. 267108
RICHARDS E J<PI> — CONTRACT NR. AF 61<052>-250
PROJ/TASK NR. 7064-01

ARL 131
NEW YORK UNIVERSITY
ELECTRONIC PROPERTIES OF SOME INTERMETALLIC COMPOUNDS DECEMBER 1961
BY MILLER, E — DDC NR. 274498
SEIDMAN, D — CONTRACT NR. AF 33<616>-3883
KOMAREK, K — PROJ/TASK NR. 7021-70661
CADOFF, I
MARTH, T F W<P.I.>

ARL 132
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
RADIATION INDUCED OVERAGING OF A 2024-T3 ALUMINUM ALLOY DECEMBER 1961
AM INST MIN MET ENGRS, ST LOUIS, MO <1961>
BY ADAIR, A M — DDC NR. 274716
HOOK, R E — CONTRACT NR.
GARRETT, H J — PROJ/TASK NR. 7024-70668

ARL 133
CASE INSTITUTE OF TECHNOLOGY
HYDROGEN EMBRITTLEMENT IN FACE-CENTERED CUBIC ALLOYS OF NICKEL DECEMBER 1961
BY SCHALLER, F W — DDC NR. 272137
TROIANO, A R — CONTRACT NR. AF 33<616>-6419
PROJ/TASK NR. 7021-01

ARL 134
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
IDENTIFICATION OF DOUBLET STATES AT 5.16 MEV IN B10, SEPTEMBER 1961
BY SPRENKEL, E L — DDC NR.
SEGEL, R, G, — CONTRACT NR.
PHYS REV VOL 7 NO 5, SEPT 61
OLNESS J W — PROJ/TASK NR. 7112-70716

ARL 135
CHICAGO, UNIVERSITY OF
THE STRUCTURES OF LIQUID AND VITREOUS BORIC OXIDE <B203> DECEMBER 1961
BY YOUNG, T F — DDC NR. 276615
WESTERDAHL, R P — CONTRACT NR. AF 33<616>-5697
PROJ/TASK NR. 7013-04

ARL 136
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ELECTRICAL RESISTIVITY OF CHROMIUM IN THE VICINITY OF THE NEEL TEMPERATURE 1961
J APPL PHYS VOL 32, JUL 61
BY MARCINKOWSKI, M J — DDC NR.
LIPSITT, H A — CONTRACT NR.
PROJ/TASK NR. 7024-70667

ARL 137
DAYTON, UNIVERSITY OF
A STUDY OF ION EXCHANGE METHODS FOR SEPARATING METALLIC AND COMPLEXED METAL IONS DECEMBER 1961
BY MICHAELIS C — DDC NR. 274302
CONTRACT NR. AF 33<616>-5612
PROJ/TASK NR. 7023-02

ARL 138
PRINCETON UNIVERSITY
THE EFFECT OF LEADING EDGE CONDITIONS ON THE DETAILED FLOW OVER A FLAT PLATE AT M 11 7 SEPTEMBER 1961
BY GRAHAM W J — DDC NR. 267674
VAS I E — CONTRACT NR. AF 33<616>-5416
BOGDONOFF S M<PI> — PROJ/TASK NR. 7064-01

ARL 139
POLYTECHNIC INSTITUTE OF BROOKLYN
HELIUM INJECTION INTO THE BOUNDARY LAYER AT AN AXISYMMETRIC STAGNATION POINNT SEPTEMBER 1961
BY FOX H — DDC NR. 265272
LIBBY P A — CONTRACT NR. AF 33<616>-7661
FERRI A<PI> — PROJ/TASK NR. 7064-01

ARL-140
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
CORRECTED ERROR RATES FOR DUNCAN-S NEW MULTIPLE RANGE TEST JUNE 1961
BIOMETRICS, VOL 17, NO. 2 JUNE 61
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-141
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PROBLEMS OF THE MECHANICS OF INTERPLANETARY SPACE TRAVEL, NOVEMBER 1961
PRES ANN CONV-WGL, FREIBURG, GERMANY, <OCT 1961>
BY TRAENKLE, C A — DDC NR. 269197
CONTRACT NR.
PROJ/TASK NR. 7071-03

ARL 142
INSTITUT FUER MECHANIK
GENERATION OF TURBULENCE IN COUETTE FLOW BETWEEN EXCENTRIC CYLINDERS JUNE 1961 PART I
BY SCHULTZ-GRUNOW, F — DDC NR.
CONTRACT NR. AF 61<052>-303
PROJ/TASK NR. 7071-03

ARL 142
INSTITUT FUER MECHANIK
GENERATION OF TURBULENCE IN COUETTE FLOW BETWEEN EXCENTRIC CYLINDERS MARCH 1962 PART II
BY SCHULTZ-GRUNOW, F — DDC NR.
CONTRACT NR. AF 61<052>-303
PROJ/TASK NR. 7071-03

ARL 143
SOUTHAMPTON UNIVERSITY OF
ATOMIC RECOMBINATION IN NOZZLES METHODS OF ANALYSIS FOR FLOWS WITH COMPLICATED CHEMISTRY APRIL 1961
BY BRAY K N C — DDC NR. 267105
APPLETON J P — CONTRACT NR. AF 61<052>-250
RICHARDS E J<PI> — PROJ/TASK NR. 7064-01

ARL 144
SOUTHAMPTON UNIVERSITY OF
VELOCITY MEASUREMENTS IN THE UNIVERSITY OF SOUTHAMPTON HYPERSONIC GUN TUNNEL APRIL 1961
BY MERRITT G E — DDC NR. 267106
RICHARDS E J<PI> — CONTRACT NR. AF 61<052>-250
PROJ/TASK NR. 7064-01

ARL 145
SOUTHAMPTON UNIVERSITY OF
ATOMIC RECOMBINATION IN NOZZLES METHODS OF ANALYSIS FOR FLOWS WITH COMPLICATED CHEMISTRY II MAY 1961
BY BRAY K N C — DDC NR. 267107
APPLETON J P — CONTRACT NR. AF 61<052>-250
RICHARDS E J<PI> — PROJ/TASK NR. 7064-01

ARL 146
KIEL, UNIVERSITY OF
DEVELOPMENT OF METHODS FOR THE MEASUREMENT OF TEMPERATURES UP TO 105 °K, 30 JUNE 1961
BY BOTTICHER, W — DDC NR. 266783
CHRISTMANN, H — CONTRACT NR. AF 61<052>-368
FAHRENTHOLZ, S — PROJ/TASK NR. 7073-01
KUSCH, H J
HOLTGREVEN, L <P.I.>

ARL 147
DAYTON, UNIVERSITY OF
HIGH SPEED RECORDING BY RESONATING OPTICAL RESOLVERS
DECEMBER 1961
BY RAMBAUSKE, W R — DDC NR. 274303
KEITH, R H — CONTRACT NR. AF 33(616)-6766
PROJ/TASK NR. 7073-01

ARL 148
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A COMPARISON OF THE INFLUENCE OF MECHANICAL AND ACOUSTICAL VIBRATIONS ON FREE CONVECTION FROM A HORIZONTAL CYLINDER DECEMBER 1961 PART II
BY FAND R M — DDC NR. 275771
PEEBLES F N — CONTRACT NR. AF 66(616)-6076
PROJ/TASK NR. 7063-01

ARL 148
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE LOCAL HEAT TRANSFER COEFFICIENT AROUND A HEATED HORIZONTAL CYLINDER IN AN INTENSE SOUND FIELD DECEMBER 1961 PART III
BY FAND R M — DDC NR. 275772
ROOS J — CONTRACT NR. AF 33(616)-6076
CHENG P — PROJ/TASK NR. 7063-01
KAYE J

ARL 148
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ON THE MECHANISM OF INTERACTION BETWEEN VIBRATIONS AND HEAT TRANSFER DECEMBER 1961 PART IV
BY FAND R M — DDC NR. 275773
CONTRACT NR. AF 33(616)-6076
PROJ/TASK NR. 7063-01

ARL 148
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A STUDY OF THE DIFFERENTIAL EQUATIONS OF COUPLED VIBRATIONS AND FREE CONVECTION FROM A HEATED HORIZONTAL CYLINDER DECEMBER 1961 PART I
BY DOUGALL, R S — DDC NR. 275770
CHIANG, T — CONTRACT NR. AF 33(616)-6076
FAND, R M — PROJ/TASK NR. 7064-70138

ARL 149
IOWA STATE UNIVERSITY
ANALYSIS OF VARIANCE PROCEDURES NOVEMBER 1961
BY KEMPTHORNE, O — DDC NR. 272399
ZYSKIND, G — CONTRACT NR. AF 33(616)-5599
ADDELMAN, S — PROJ/TASK NR. 7071-01
THROCKMORTON, T N
WHITE, R F

ARL 150
LESSELLS AND ASSOCIATES
ACOUSTIC EMISSION UNDER APPLIED STRESS
BY SCHOFIELD, B H — DDC NR. 276486
CONTRACT NR. AF 33(616)-5640
PROJ/TASK NR. 7021-04

ARL 151
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
GAMMA-RAY STUDIES IN BORON-10, NOVEMBER 1961
PHYS REV VOL 124, 854 NOV 61
BY SPRENKEL F L — DDC NR.
DAUGHTRY, J W — CONTRACT NR.
PROJ/TASK NR. 7112-70716

ARL 152
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
PARTICAL WIDTHS OF THE 16.11 MEV STATE IN C12 NOVEMBER 1961
BY SEGEL, R E — DDC NR.
BINA, M J — CONTRACT NR.
PROJ/TASK NR. 7112-70716

ARL 153
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
LIMITATIONS IN DETECTION OF CELESTIAL BODIES EMPLOYING AN ELECTRONICALLY SCANNED PHOTOCONDUCTIVE IMAGE DETECTOR
BY GEBEL, R E H — DDC NR. 276417
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 154
WESTINGHOUSE ELECTRIC COMPANY
RESEARCH ON OPTICAL AMPLIFICATION EMPLOYING ELECTRONIC SCANNING TECHNIQUES DECEMBER 1961
BY HALL J A — DDC NR. 275319
SHABANOWITZ H — CONTRACT NR. AF 33(616)-3254

ARL 155
QUEEN-S UNIVERSITY
DEVELOPMENT OF LOCALIZED PLASMA OSCILLATION AND CONCENTRATION GRADIENTS 1 JULY 1961
BY MCCULLAGH, G C — DDC NR.
GARSCADDEN, A — CONTRACT NR. AF 61(052)-132
EMELEUS, K G — PROJ/TASK NR. 7073-03

ARL-156
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
INTRAMOLECULAR ENERGY TRANSFER LUMINESCENCE PHENOMENA IN THE GROUP IV TETRAPHENYLS, DECEMBER 1961
BY LAPAGLIA, S R — DDC NR. 276295
CONTRACT NR.
PROJ/TASK NR. 7013-70346

ARL 157
WISCONSIN, UNIVERSITY OF
RESEARCH ON INTERMOLECULAR FORCES AND THE TRANSPORT PROPERTIES OF GASES DECEMBER 1961
BY HIRSCHFELDER, J O — DDC NR.
CONTRACT NR. AF 33(616)-7174
PROJ/TASK NR. 7013-01

ARL 158
RENSSELAER POLYTECHNIC INSTITUTE
THE FLOW OF AN INVISCID COMPRESSIBLE CONDUCTING FLUID PAST A SLENDER BODY OF AN ARBITRARY CROSS SECTION DECEMBER 1961
BY KUSUKAWA K I — DDC NR. 276180
NAGAMATSU H T(PI) — CONTRACT NR. AF 33(616)-7312
PROJ/TASK NR. 7064-01

ARL 159
WEIZMANN INSTITUTE OF SCIENCE
NUCLEAR SPECTRA OF OXYGEN ISOTOPES 18 JULY 1961
BY TALMI, I — DDC NR. 266852
UNNA, I — CONTRACT NR. AF 61(052)-56
PROJ/TASK NR. 7112-70716

ARL 160
ISRAEL INSTITUTE OF TECHNOLOGY
LONG RANGE ORDER IN FE-AL ALLOYS III A RESISTOMETRIC STUDY OF ORDERING KINETICS IN FESAL JUNE 1961
BY BRANSKY J — DDC NR. 266331
RUDMAN, P S — CONTRACT NR. AF 61(052)-122
PROJ/TASK NR. 7021-04

ARL 161
NORWEGIAN DEFENSE RESEARCH ESTABILSHMENT
RESEARCH ON SELF-DIFFUSION IN LIQUIDS MAY 1961
BY OTTAR, B — DDC NR. 264887
CONTRACT NR. AF 61(052)-343
PROJ/TASK NR. 7013-02

ARL 162
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT
RESEARCH ON SELF DIFFUSION IN LIQUIDS MAY 1961
BY OTTAR, B — DDC NR. 264888
CONTRACT NR. AF 61(052)-343
PROJ/TASK NR. 7013-02

ARL 163
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
DIE FORMING DOUBLY FOCUSING X-RAY MONOCHROMATORS AUGUST 1961
REV SCI INSTR VOL 32, NO 8 AUG 61
BY GARRETT, H J — DDC NR.
LIPSITT, H A — CONTRACT NR.
PROJ/TASK NR. 7021-70608

ARL 164
ISRAEL INSTITUTE OF TECHNOLOGY
THEORY OF VACANCY MECHANISM ORDER- DISORDER KINETICS MAY 61
BY RUDMAN, P S — DDC NR. 266332
CONTRACT NR. AF 61(052)-122
PROJ/TASK NR. 7021-04

ARL 165
UPPSALA UNIVERSITY
VIRIAL THEOREM AND COHESIVE ENERGIES OF SOLIDS,PARTICULARLY IONIC CRYSTALS 15 SEPTEMBER 1960
BY FROMAN, A — DDC NR. 266201
LOWDIN, P O — CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7023-04

ARL-166
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
USE OF TABLES OF PERCENTAGE POINTS OF RANGE AND STUDENTIZED RANGE, AUGUST 1961
TECHNOMETRICS, 3, 407-411 AUG 61
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-167
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE USE OF SAMPLE QUASI-RANGES IN SETTING EXACT CONFIDENCE BOUNDS FOR THE STANDARD DEVIATION OF A RECTANGULAR POPULATION,
J AM STAT ASSOC, VOL 56, PP 601-609(1961)
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-168
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ESTIMATING THE PARAMETERS OF NEGATIVE EXPONENTIAL POPULATIONS FROM ONE OR TWO ORDER STATISTICS, DECEMBER 1961
ANN MATH STAT VOL 32, PP 1078-1090, 1961
BY HARTER, H L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 169
BROWN UNIVERSITY
THE EFFECT OF A STANDING SOUND FIELD ON A SLOW STREAM DISCHARGED FROM A POROUS WALL DECEMBER 1961 PART I
BY KESTIN J — DDC NR. 278573
PERSEN L N — CONTRACT NR. AF 33(616)-7749
PROJ/TASK NR. 7063-01

ARL 169
BROWN UNIVERSITY
APPLICATION OF SCHMIDTS METHOD TO THE CALCULATION OF SPALDINGS FUNCTION AND OF THE SKIN-FRICTION COEFFICIENT IN TURBULENT FLOW PART II
BY KESTIN J — DDC NR. 278579
PERSEN L N — CONTRACT NR. AF 66(616)-7749
PROJ/TASK NR. 7063-01

ARL 169
BROWN UNIVERSITY
HEAT TRANSFER ACROSS TURBULENT INCOMPRESSIBLE BOUNDARY LAYERS JULY 1962 PART III
BY KESTIN J — DDC NR.
RICHARDSON P D — CONTRACT NR. AF 33(616)-7749
PROJ/TASK NR. 7063-01

ARL 171
MINNESOTA, UNIVERSITY OF
THERMODYNAMIC CHARTS FOR ARGON PLASMA UP TO 105 °K WITH ILLUSTRATIVE EXAMPLES DECEMBER 1961
BY KNOCHE, K-F — DDC NR. 275149
ECKERT, E R G(P.I.) — CONTRACT NR. AF 33(616)-5528
PROJ/TASK NR. 7064-70138

ARL 172
ISRAEL INSTITUTE OF TECHNOLOGY
INHOMOGENEOUS ORDERING DUE TO EXCESS VACANCIES AN ORDER STRENGTHENING MECHANISM JUNE 1961
BY RUDMAN, P S — DDC NR. 266325
CONTRACT NR. AF 61(052)-122
PROJ/TASK NR. 7021-04

ARL 173
ISRAEL INSTITUTE OF TECHNOLOGY
LONG RANGE ORDER IN FE RICH FE-AL ALLOYS IV AN X-RAY DIFFRACTION STUDY JULY 1961
BY SHMUELI, U — DDC NR. 266327
RUDMAN, P S — CONTRACT NR. AF 61(052)-122
PROJ/TASK NR. 7021-04

ARL 174
ADVANCED TECHNOLOGY LABORATORIES
DUAL PROBE FOR HIGH-TEMPERATURE-GAS MEASUREMENTS DECEMBER 1961
BY [illegible] — DDC NR. 274222
GIEDT WH — CONTRACT NR. AF 33(616)-7805
PROJ/TASK NR. 7063-01

ARL 175
THE RAULAND CORP
HIGH SPEED SHUTTER SYSTEM DECEMBER 1961
BY REED, W O — DDC NR. 274353
CONTRACT NR. AF 33(616)-2095
PROJ/TASK NR. 1363-70824

ARL 176
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
ESTIMATED PERFORMANCE CHARACTERISTICS OF 30 INCH HYPERSONIC WIND TUNNEL AT M18
BY LUTHRINGER, G — DDC NR. 277952
CONTRACT NR.
PROJ/TASK NR. 7064-70169

ARL 177
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE EFFECTS OF INTERSTITIAL SOLUTE ATOMS ON THE FATIGUE LIMIT BEHAVIOR OF TITANIUM
BY LIPSITT, H A — DDC NR.
WANG, D Y — CONTRACT NR.
PROJ/TASK NR. 7024-70666

ARL-178
AERONAUTICAL RESEARCH LABORATOREIS(IN-HOUSE)
PERFORMANCE POTENTIALITIES OF DIRECT ENERGY CONVERSION PROCESSES BETWEEN ELECTROSTATIC AND FLUID DYNAMIC ENERGY, DECEMBER 1961
BY LAWSON, M — DDC NR. 273015
VON OHAIN, H J P — CONTRACT NR.
WATTENDORF F — PROJ/TASK NR. 7116-70192

ARL-179
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A COMPARISON OF FORTRAN AND SYMBOLIC PROGRAMMING ON THE IBM 1620 COMPUTER,
BY LUM, M D — DDC NR. 274538
CASLIN, J C — CONTRACT NR.
PROJ/TASK NR. 7071-02

ARL 180
OWENS-ILLINOIS GLASS COMPANY
ANALYTICAL METHODS APPLICABLE TO ZIRCONIA OXIDE AND BORON-SILICON REFRACTORIES DECEMBER 1961
BY CLOSE, P — DDC NR. 275506
WATSON, M T — CONTRACT NR. AF 33(616)-7431
DRUMMOND, C H — PROJ/TASK NR. 7022-02

ARL 181
CALIFORNIA INSTITUTE OF TECHNOLOGY
A UNIFIED ENGINEERING THEORY OF HIGH STRESS LEVEL FATIGUES DECEMBER 1961
BY VALLURI, S R — DDC NR. 2755122
WILLIAMS, M(P.I.) — CONTRACT NR. AF 33(616)-6270
PROJ/TASK NR. 7024-01

ARL 182
CALIFORNIA INSTITUTE OF TECHNOLOGY
A THEORY OF CUMULATIVE DAMAGE IN FATIGUES DECEMBER 1961
BY VALLURI, S R — DDC NR. 275383
WILLIAMS M(P.I.) — CONTRACT NR. AF 33(616)-6270
PROJ/TASK NR. 7024-01

ARL 183
ISRAEL INSTITUTE OF TECHNOLOGY
FIELD OF A PARTICLE IN UNIFORM MOTION AND UNIFORM ACCELERATION SEPTEMBER 1 1961
BY ROSEN N — DDC NR. 266536
CONTRACT NR. AF 61(052)-02
PROJ/TASK NR. 7114-01

ARL 184
SOUTHWEST RESEARCH INSTITUTE
STUDIES IN THE CREEP BUCKLING OF CIRCULAR CYLINDERS AND CONICAL SHELLS DECEMBER 1961
BY WAH T — DDC NR. 275171
GREGORY R K — CONTRACT NR. AF 33(616)-6914
PROJ/TASK NR. 7063-02

ARL 185
SYRACUSE UNIVERSITY
THE ENERGY DISTRIBUTION OF ELECTRON FROM IONIZING COLLISIONS OF HEAVY PARTICLES DECEMBER 1961
BY BERRY, H W — DDC NR. 275320
CONTRACT NR. AF 33(616)-5741
PROJ/TASK NR. 7073-03

ARL 186
BATTELLE MEMORIAL INSTITUTE
AN INVESTIGATION OF COLUMN CREEP DECEMBER 1961
BY CARLSON R L — DDC NR. 275117
CONTRACT NR. AF 33(616)-6301
PROJ/TASK NR. 7063-02

ARL 187
SYRACUSE UNIVERSITY
AN APPROACH TO GRAVITATIONAL RADIATION BY A METHOD OF SPIN COEFFICIENTS MAY-JUNE 1962
BY NEWMAN, E — DDC NR.
PENROSE, R — CONTRACT NR. AF 33(616)-6867
BERGMANN, P (P.I.) — PROJ/TASK NR. 7114-01

ARL 188
SOUTHAMPTON UNIVERSITY OF
ON MOLECULAR VIBRATIONAL RELAXATION IN THE FLOW OF A CHEMICALLY REACTING GAS JUNE 1961
BY MUSGROVE P J — DDC NR. 267761
APPLETON J P — CONTRACT NR. AF 61(052)-250
RICHARDS E J(PI) — PROJ/TASK NR. 7064-01

ARL 189
MINNESOTA, UNIVERSITY OF
SURVEY ON HEAT TRANSFER AT HIGH SPEEDS DECEMBER 1961
BY ECKERT, E R G — DDC NR. 274109
[illegible] — CONTRACT NR. AF 33(616)-7214
PROJ/TASK NR. 7064-70118

ARL 190
POLYTECHNIC INSTITUTE OF BROOKLYN
PHYSICAL ENVIRONMENT TO VISCOSITY THERMAL CONDUCTIVITY AND STUDY ON RELATION OF CHEMICAL COMPOSITION STRUCTURE AND DIFFUSION DECEMBER 1961
BY COLLINS, F C — DDC NR. 275511
MANDEL, G — CONTRACT NR. AF 33(616)-3894
THOMSPON, E V — PROJ/TASK NR. 7013-02

ARL 191
WISCONSIN, UNIVERSITY OF
THERMODYNAMIC PROPERTIES OF IONS AT HIGH TEMPERATURES DECEMBER 1961
BY GREEN, J W — DDC NR. 275542
POLAND, D E — CONTRACT NR. AF 33(616)-6384
MARGRAVE, J L — PROJ/TASK NR. 7013-04

ARL 192
WISCONSIN, UNIVERSITY OF
STUDIES OF HIGH TEMPERATURE SYSTEMS DECEMBER ,961
BY MARGRAVE, J L — DDC NR. 27[illegible]97
CONTRACT NR. AF 33(616)-6384
PROJ/TASK NR. 7013-04

ARL 193
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
NOTES ON A HIGH-PRESSURE GAS APPARATUS 1961
BY LANGER, D — DDC NR.
WARSCHAUER, D M — CONTRACT NR.
PROJ/TASK NR. 7885-70846

ARL 194
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
P-TYPE PHOTOCONDUCTIVITY AND INFRARED QUENCHING IN ELECTRON BOMBARDED CDS, 1961
J APPL PHYS 02, 1290 (1961)
BY KULP, B A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL 195
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
EDGE EMISSION IN ZINC SELENIDE SINGLE CRYSTALS 1961
J APPL PHYS, 32, 2254 (1961)
BY REYNOLDS, D C — DDC NR.
PEDROTTI, L S — CONTRACT NR.
LARSON, O W — PROJ/TASK NR. 7885-70846

ARL 196
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE EFFECT OF ELECTRON BOMBARDMENT ON THE NEAR INFRARED FLUORESCENCE OF SINGLE CRYSTAL CDS, 1961
J APPL PHYS 32, 10, (1961)
BY KULP, B A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL 197
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
EFFECTS OF ELECTRON IRRADIATION ON UNIPOLAR TRANSISTOR DEVICES 1961
J APPL PHYS 32 (1961)
BY KULP, B A — DDC NR.
JONES, J P — CONTRACT NR.
VETTERS, A F — PROJ/TASK NR. 7112-70706

ARL 198
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
SOLIDIFICATION OF HELIUM AT 77°K 1961
J PHYS CHEM SOLIDS, 21, 122 (1961)
BY LANGER, D W J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7885-70846

ARL 199
POLYTECHNIC INSTITUTE OF BROOKLYN
A FLAME ZONE MODEL FOR CHEMICAL REACTION IN A LAMINAR BOUNDARY LAYER WITH APPLICATION TO THE INJECTION OF HYDROGEN-OXYGEN MIXTURES OCTOBER 1961
BY LIBBY P A — DDC NR. 267825
ECONOMOS C — CONTRACT NR. AF 33(616)-7661
FERRI A(PI) — PROJ/TASK NR. 7064-01

ARL-200
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
DYE SOLUTION FOR THE PREPARATION OF COLORED SLIDES, SEP 1961,
J CHEM ED 38, 473 (1961)
BY SPIALTER, L — DDC NR.
SMITH, J S — CONTRACT NR.
PROJ/TASK NR. 7023-70317

ARL-201
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
FRACTIONATION TECHNIQUE FOR VACUUM DISTILLATION, SEP 1961,
J CHEM ED 38, (1961)
BY CONNOLLY, J W — DDC NR.
RADELL, J — CONTRACT NR.
PROJ/TASK NR. 7013-70355

ARL-202
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE SYNTHESIS OF SPIRO<CYCLOHEXANE-1,9 - FLUORENE> AND RELATED COMPOUNDS, 1961
J ORG CHEM, VOL 26, 4280 <1961>
BY BALDWIN, S
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7029-70306

ARL-203
INFRARED AND ULTRAVIOLET ABSORPTION SPECTRA OF
J ORG CHEM, VOL 26, 4280 <1961>
BY BALDWIN, S
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7029-70306

ARL-204
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
NMR INCLUSION COMPOUNDS OF ALKYNES, 1961.
J ORG CHEM 26, 2022 <1961>
BY CONNOLLY, J W
RADELL, J
YUMA, [illegible]
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7013-70355

ARL-206
NATIONAL BUREAU OF STANDARDS
TRANSITION PROBABILITIES IN MULTILEVEL SYSTEMS
CALCULATION FROM IMPULSIVE AND STEADY-STATE EXPERIMENTS
SEPTEMBER 1961
[illegible]
BY CLEARINGTON J
DDC NR,
CONTRACT NR, AF 61(052)-58-10
PROJ/TASK NR, 7019-70366

ARL-207
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
VACUUM ULTRAVIOLET ABSORPTION SPECTRUM OF PHOSGENE
JANUARY 1961.
J CHEM PHYS 34, 1, PP 325-328, [illegible]
BY LAPAGLIA, S
DUNCAN, A B F
DDC NR,
CONTRACT NR,
PROJ/TASK NR, [illegible]

ARL-208
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
VACUUM ULTRAVIOLET ABSORPTION SPECTRUM AND DIPOLE MOMENT OF
NITROSYL THIOCYANATE, MARCH 1961
J CHEM PHYS 34, 3, PP 1003-1007, MAR 61
BY LAPAGLIA, S R
DUNCAN, A B F
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7013-70366

ARL-209
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
VACUUM ULTRAVIOLET ABSORPTION SPECTRA OF
HEXAFLUOROACETONE AND HEXACHLOROACETONE, JANUARY 1961.
J CHEM PHYS 34, 1, PP 350, JAN 61
BY LAPAGLIA, S R
DUNCAN, A B F
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7013-70366

ARL-210
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ESTIMATING THE PARAMETERS OF MIXED POISSON, BINOMIAL AND
WEIBULL DISTRIBUTIONS BY THE METHOD MOMENTS, 1961
BY RIDER, P R
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7071-01

ARL 211
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
AN INVESTIGATION OF A CENTRIFUGAL FORCE LOADING METHOD OF
CREEP TESTING JUNE 1961
MATERIALS RESEARCH & STANDARDS VOL 1, NO 6, 466-470, JUNE
BY MOORE, R F
ADAIR, A M
SPRETNAK, J W
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7021-70663

ARL-212
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
MAGNETOHYDRODYNAMIC FREE-CONVECTION PIPE FLOW.
BY CRAMER, K R
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7116-01

ARL 213
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SPIN PROBLEM OF FREE FALLING MAN
AGARDOGRAPH 52, 10-18, 1961
BY WALCHNER, O
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7064-70861

ARL 214
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE REACTION 28 SI <P,T> 29P, 1961
NUC PHYS VOL 29, NO <1961>
BY VAN OOSTROM, E J
HAZEWINKEL, N
WAPSTRA, A H
OLNESS, J W
PARKER, J L
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL 215
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SELECTIVE RADIOACTIVATION AND MULTIPLE COINCIDENCE
SPECTROMETRY IN THE DETERMINATION OF TRACE ELEMENTS IN
BIOLOGICAL MATERIAL MEASUREMENT OF MANGANESE, 1961
INTERN J APPL RADIATION AND ISOTOPES VOL 11, NO 1, P 10-29
<1961>
BY BORG, D C
SEGEL, R E
BIERLE P
CAMPBELL I
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL 216
NATIONAL BUREAU OF STANDARDS
PHOTON-DISSOCIATION OF WATER INITIAL NONEQUILIBRIUM
POPULATIONS OF ROTATIONAL STATES OF OH I AUGUST 1961
REPRINT J CHEM PHYS VOL 35 NO 2 750-761 AUGUST 1961
BY TANAKA I
CARRINGTON T
ARDITA H P
DDC NR,
CONTRACT NR, AF 33(616)-5810
PROJ/TASK NR, 7019-70366

ARL-217
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
N-ALKYL PERCHLORATES, PREPARATION, STUDY AND
STABILIZATION, 1961.
J AM CHEM SOC 83, 3990 <1961>
BY CONNOLLY, J W
RADELL, J
RAYMOND, A J
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7013-70355

ARL 218
HEBREW UNIVERSITY
SOLID STATE CHEMICAL REACTIONS <WITH SPECIAL REFERENCE T
THE KINETICS OF THE REACTION OF INORGANIC OXIDANTS WITH
POLY-DIVINYLBENZENES JULY 1961
BY PATAI, S
[illegible]
DDC NR, 260246
CONTRACT NR, AF 61(052)-144
PROJ/TASK NR, 7013-01

ARL 219
HEBREW UNIVERSITY
SOLID STATE CHEMICAL REACTIONS <WITH SPECIAL REFERENCE TO
THE KINETICS OF THE REACTION OF INORGANIC OXIDANTS WITH
POLY-DIVINYLBENZENE SEPT 1961
BY PATAI, S
ALBECK, M
DDC NR, 26026
CONTRACT NR, AF 61(052)-144
PROJ/TASK NR, 7013-01

ARL 220
KINGS COLLEGE UNIVERSITY OF LONDON
CONVARIANT ELECTRODYNAMIC POTENTIALS IN DE SITTER SPACE
31 MAY 1961
BY HOGARTH J E
BONDI H<PI>
DDC NR, 270103
CONTRACT NR, AF 61(052)-447
PROJ/TASK NR, 7116-01

ARL 221
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE LIMITING DETECTIVITY OF OPTICAL AMPLIFIING EQUIPMENT
1961
BY GRAFF, P E M
DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7072-70827

ARL 222
SOUTHAMPTON UNIVERSITY OF
A PRELIMINARY STUDY OF IONIC RECOMBINATION OF ARGON IN WIND
TUNNEL NOZZLES PART II JULY 1961
BY GRAY E W G
WILSON J A
RICHARDS F J<PI>
DDC NR,
CONTRACT NR, AF 61(052)-240
PROJ/TASK NR, 7064-01

ARL 223
ISRAEL INSTITUTE OF TECHNOLOGY
SHORT RANGE ORDER STRENGTHENING IN A LONG RANGE ORDERED
PHASE JULY 1961
BY RUDMAN, P S
DDC NR, 269077
CONTRACT NR, AF 61(052)-122
PROJ/TASK NR, 7021-04

ARL 224
ISRAEL INSTITUTE OF TECHNOLOGY
LONG-RANGE ORDER IN FE RICH FE-AL ALLOYS V ROOM
TEMPERATURE DEFORMATION BEHAVIOR AUGUST 1961
BY WEISS, B Z
RUDMAN, P S
DDC NR, 269077
CONTRACT NR, AF 61(052)-122
PROJ/TASK NR, 7021-04

ARL 225
ISRAEL INSTITUTE OF TECHNOLOGY
EFFECT OF ORDER-DISORDER PHENOMENA ON THE STRENGTH OF HIGH
TEMPERATURE ALLOYS SEPTEMBER 1961
BY RUDMAN, P S
DDC NR, 269079
CONTRACT NR, AF 61(052)-122
PROJ/TASK NR, 7021-04

ARL 227
UPPSALA UNIVERSITY
COMPUTATION OF THE EMISSIVITY OF A CYLINDRICALLY SYMMETRIC
LIGHT SOURCE FROM MEASUREMENTS OF THE PROJECTED
INTENSITY PROFILE 31 JULY 1961
BY MERLIN S I
RIEGBAHN K<PI>
OHLIN R<PI>
DDC NR, 273580
CONTRACT NR, AF 61(052)-170
PROJ/TASK NR, 7079-70712

ARL 228
HAMBURG, UNIVERISTY OF
THE MATHEMATICAL THEORY OF QUASI ORDER, SEMI GROUPS OF
IDEMPOTENTS AND NONCOMMUTATIVE LATTICES - A NEW FIELD OF
MODERN ALGEBRA, 1961 PART I
BY JORDAN, P
DDC NR, 274002
CONTRACT NR, AF 61(052)-147
PROJ/TASK NR, 7116-70709

ARL 228
HAMBURG, UNIVERISTY OF
PROBLEMS OF GRAVITATION 1961 PART II
BY JORDAN, P
BUNDT, W
EHLERS, J
DDC NR, 273234
CONTRACT NR, AF 61(052)-147
PROJ/TASK NR, 7116-70709

ARL 229
UPPSALA UNIVERSITY
RATIONAL APPROXIMATION OF DECAY-TYPE FUNCTIONS, 1 OCTOBER
1961
BY APPEL, E
LOWDIN, P O <P.I.>
DDC NR, 271370
CONTRACT NR, AF 61(052)-391
PROJ/TASK NR, 7023-04

ARL 230
SHEFFIELD, UNIVERSITY OF
ELECTRON CORRELATION IN METALS I NOVEMBER 1960
31 OCTOBER 1961
BY MARCH N H — DDC NO. 273799
SAMPANTHAR, S — CONTRACT NO. AF 61(052)-317
PROJ/TASK NO. 7112-70719

ARL 231
LABORATOIRE DE PHYSIQUE, ECOLE NORMALE SUPERIEURE
THE MANY BODY ASPECT OF THE FISSION PROBLEM II. THE MODEL HAMILTONIAN TECHNIQUE
BY BRUECKNER, K — DDC NO.
BALEANSKI, M — CONTRACT NO. AF 61(052)-190
PROJ/TASK NO. 7065-02

ARL 232
WEIZMANN INSTITUTE OF SCIENCE
KINETICS OF THE OXIDATION OF SOLID ORGANIC SUBSTANCES BY SOLID OXIDANTS AT HIGH TEMPERATURES 1960
REPRINT J M DECKER ET AL REACTIVITY OF SOLIDS PROC 6TH INTERN SYMP REACTIVITY SOLIDS AMSTERDAM 1960
BY PATAI, S — DDC NO.
CROSS, M — CONTRACT NO. AF 61(052)-169
PROJ/TASK NO. 7013-01

ARL 234
WEIZMANN INSTITUTE OF SCIENCE
EXPERIMENTAL TEST OF UNITARY SYMMETRY I DECEMBER 1961
BY LEVINSON C A — DDC NO.
LIPKIN, H J — CONTRACT NO. AF 61(052)-56
MESHKOV, S — PROJ/TASK NO. 7112-70716
TALMI, I(PI)

ARL 235
UPPSALA UNIVERSITY
LINES OF THE RN SPECTRUM IN THE VISIBLE AND NEAR ULTRAVIOLET WAVE LENGTH REGIONS 16 MARCH 1961
BY MALLIN R — DDC NO.
HUGHES T P — CONTRACT NO. AF 61(052)-170
SIEGBAHN K(PI) — PROJ/TASK NO. 7079-70712
OHLIN R(PI)

ARL 236
ISRAEL INSTITUTE OF TECHNOLOGY
LIOUVILLE-EQUATION IN RELATIVISTIC DYNAMICS
10 SEPTEMBER 1961
BY KALMAN G — DDC NO.
CONTRACT NO. AF 61(052)-399
PROJ/TASK NO. 7079-70852

ARL 237
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
KLL AUGER TRANSITION PROBABILITIES NOVEMBER 1961
REPRINT PHYS REV VOL 124, NO 5, PP 795-799, 1 NOV 61
BY CALLAN, P J — DDC NO.
CONTRACT NO.
PROJ/TASK NO. 7112-01

ARL 238
KINGS COLLEGE UNIVERSITY OF LONDON
A THEOREM ON PETROV TYPES 20 NOVEMBER 1961
BY GOLDBERG J N — DDC NO.
SACHS R K — CONTRACT NO. AF 61(052)-457
BORDI M(PI) — PROJ/TASK NO. 7114-01

ARL 239
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH
PART 2 METALLIC OXIDE PHASES OF NIOBIUM AND TANTALUM. I. X-RAY INVESTIGATIONS OCTOBER 1961
BY NORMAN, N — DDC NO. 273213
KOFSTAD, P (P .I.) — CONTRACT NO. AF EOAR-61-42
PROJ/TASK NO. 7022-70644

ARL 240
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH
METALLIC OXIDE PHASES OF NIOBIUM AND TANTALUM, II. METALLOGRAPHIC STUDIES. OCTOBER 1961
BY NORMAN, N — DDC NO. 273216
KOFSTAD, P — CONTRACT NO. AF-EOAR-61-42
ERUKTAA, O J — PROJ/TASK NO. 7022-70644

ARL 240
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH
OXIDATION OF TANTALUM AT 500-550°C.
BY KOFSTAD, P — DDC NO. 273214
CONTRACT NO. AF-EOAR-61-42
PROJ/TASK NO. 7022-70644

ARL 241
UPPSALA UNIVERSITY
STUDIES IN PERTURBATION THEORY IV. SOLUTION OF EIGENVALUE PROBLEM BY PROJECTION OPERATOR FORMALISM I AUGUST 1960
BY LOWDIN P O — DDC NO.
CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 242
UPPSALA UNIVERSITY
BAND THEORY, VALENCE BOND AND TIGHT-BINDING CALCULATIONS 19 OCTOBER 1961
BY LOWDIN, P O — DDC NO. 274277
CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 243
SOUTHAMPTON UNIVERSITY OF
RESEARCH IN HYPERSONIC AEROTHERMODYNAMICS OCTOBER 1961
BY APPLETON J P — DDC NO.
SPRIMES T — CONTRACT NO. AF 61(052)-250
MARIN B — PROJ/TASK NO. 7066-01
RICHARDS F J(PI)

ARL 244
UPPSALA UNIVERSITY
STUDIES IN PERTURBATION THEORY, V. SOME ASPECTS ON THE EXACT SELF-CONSISTENT FIELD THEORY, AUGUST 1960
BY LOWDIN, P O — DDC NO.
CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 245
UPPSALA UNIVERSITY
THE NORMAL CONSTANTS OF MOTION IN QUANTUM MECHANICS TREATED BY PROJECTION TECHNIQUE 15 NOVEMBER 1961
BY LOWDIN, P O — DDC NO. 275530
CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 246
UPPSALA UNIVERSITY
[illegible] OF THE HARTREE-FOCK METHOD, APPLIED TO ATOMS, MOLECULES AND SOLIDS
A CORE WITH APPLICATIONS TO LITHIUM AND SODIUM 19 FEB 1961
BY ÖHRN, Y — DDC NO.
BRUECKNER, K — CONTRACT NO. AF 61(052)-391
LOWDIN, P O (P.I.) — PROJ/TASK NO. 7029-04

ARL-247
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE ELECTRONIC SPECTRA OF THE GROUP IV TETRAPHENYLS. DECEMBER 1961.
J MOL SPECTR 7, 6, DEC 61
BY LAPAGLIA, S R — DDC NO.
CONTRACT NO.
PROJ/TASK NO. 7011-70346

ARL 248
CAMBRIDGE UNIVERSITY OF
THERMAL DIFFUSION IN SOLUTIONS OF ELECTROLYTES DECEMBER 61
BY PRICE, C D — DDC NO. 276200
AGAR J G(PI) — CONTRACT NO. AF 61(052)-99
PROJ/TASK NO. 7013-01

ARL 249
UPPSALA UNIVERSITY
PERMUTATION SYMMETRY OF THE THREE-ELECTRON PROBLEM I DEC 1961
BY CALAIS, J L — DDC NO. 276390
LOWDIN, P O (P.I.) — CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 250
ISRAEL INSTITUTE OF TECHNOLOGY
RESEARCH ON THE MICRO-STRUCTURE OF THE MAGNETIC FIELD IN A PLASMA, PART I ON THE STATISTICAL DISTRIBUTION OF STOCHASTIC FIELDS DECEMBER 1961
BY TEITELBAUM, P — DDC NO. 277906
KALMAN, G — CONTRACT NO. AF 61(052)-177
PROJ/TASK NO. 7079-02

ARL 250
ISRAEL INSTITUTE OF TECHNOLOGY
RESEARCH ON THE MICRO-STRUCTURE OF THE MAGNETIC FIELD IN A PLASMA, PART II, ON THE MAGNETIC FIELD DISTRIBUTION AND ON THE FOKKER-PLANCK COEFFICIENTS IN A PLASMA APRIL 1962
BY KALMAN, G — DDC NO. 283999
CONTRACT NO. AF 61(052)-177
PROJ/TASK NO. 7079-02

ARL 251
ISRAEL INSTITUTE OF TECHNOLOGY
COLLECTIVE MODES IN A PLASMA DUE TO TRANSVERSE INTERACTION DECEMBER 1961
BY KALMAN G — DDC NO. 277389
CONTRACT NO. AF 61(052)-399
PROJ/TASK NO. 7079-70852

ARL 252
UPPSALA UNIVERSITY
SUCCESSIVE PARTITIONING TECHNIQUE FOR SOLUTION OF SECULAR EQUATIONS I DECEMBER 1961
BY BORDLING J G — DDC NO. 278981
LOWDIN, P O (P.I.) — CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 253
UPPSALA UNIVERSITY
A HARTREE-FOCK PERTURBATION METHOD I DECEMBER 1961
BY ADAMS, W H — DDC NO.
LOWDIN, P O(P.I.) — CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 254
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE S-WAVE AND P-WAVE STREHMTH FUNCTIONS 1961
NUCL PHYS VOL 28, NO 4 P 570-582, 1961
BY EQUEGER, T E — DDC NO.
MARGOLIS, B — CONTRACT NO.
PROJ/TASK NO. 7112-02

ARL 255
UPPSALA UNIVERSITY
THE STABILITY OF HARTREE-FOCK STATES 15 DECEMBER 1961
BY ADAMS, W H — DDC NO.
LOWDIN, P O(P.I.) — CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 256
UPPSALA UNIVERSITY
REMARKS ON THE QUANTUM MECHANICAL INTERPRETATION OF THE STARK EFFECT IN THE HYDROGEN ATOM 15 DECEMBER 1961
BY BEDEI, L B — DDC NO.
LOWDIN, P O(PI) — CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 257
UPPSALA UNIVERSITY
STUDY OF ATOMS BY PERTURBATION THEORY 15 DECEMBER 1961
BY LINDBERG, J — DDC NO.
LOWDIN, P O(P.I.) — CONTRACT NO. AF 61(052)-391
PROJ/TASK NO. 7029-04

ARL 258
OSLO UNIVERSITY OF
ZUR PRAKTISCHEN LOSUNG DER RELATIVISTISCHEN EINELEKTRONGLEICHUNG II 1961
ZEITSCHRIFT FUR PHYSIK 164, 493-506 1961
BY HYLLERAAS E A — DDC NO.
CONTRACT NO. AF 61(052)-134
PROJ/TASK NO. 7029-04

ARL 259
OSLO UNIVERSITY OF
THE ERIKSEN TRANSFORMATION IN THE CASE OF PARTICLES WITH SPIN 0 AND 1 1961
NUOVO CIMENTO SERIES X VOL 21 PP 69-75 1961
BY HOGAASEN H — DDC NR.
HYLLERAAS E<PI> — CONTRACT NR. AF 61<052>-134
PROJ/TASK NR. 7023-04

ARL 260
BROWN UNIVERSITY
THE COMPRESSIBLE VISCOUS LAYER IN RAREFIED HYPERSONIC FLOW 1961
RAREFIED GAS DYNAMICS 525-552 1961
BY HUNG-TA HO — DDC NR.
PROBSTEIN R F — CONTRACT NR. AF 33<616>-5442
PROJ/TASK NR. 7064-01

ARL 261
BROWN UNIVERSITY
THE SHARP LEADING EDGE PROBLEM IN HYPERSONIC FLOW 1961
RAREFIED GAS DYNAMICS 501-524 1961
BY HAKURO OGUCHI — DDC NR.
PROBSTEIN R F<PI> — CONTRACT NR. AF 33<616>-5442

ARL 62-300
TORONTO UNIVERSITY OF
THE ROTATING ARM FACILITY FOR HIGH SPEED LOW DENSITY AERODYNAMIC STUDIES JANUARY 1962
BY BILLINGTON J — DDC NR. 277132
EGGMANN E — CONTRACT NR. AF 33<616>-6990
STONEHILL B C — PROJ/TASK NR. 7064-01
LAFRANCE J C
PATTERSON G N<PI>

ARL 62-301
ARMOUR RESEARCH FOUNDATION
THE EFFECT OF A DISPERSE PHASE ON THE DUCTILE-BRITTLE TRANSITION OF BODY-CENTERED CUBIC METALS MARCH 1962
BY EVANS, P R V — DDC NR. 275118
READ, R H<P,I.> — CONTRACT NR. AF 33<616>-6506
PROJ/TASK NR. 7024-02

ARL-62-302
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ELECTRIC ARCS AND THERMAL PLASMA, JANUARY 1962
BY FINKELNBURG, W — DDC NR.
MAECKER, H — CONTRACT NR.
ECKSTEIN B H<P, I.> — PROJ/TASK NR. 7063-01

ARL 62-303
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ETCH PIT STUDIES OF ZNS CRYSTALS JANUARY 1962
J APPL PHYS 33, 184 <1962>
BY CZYZAK, S J — DDC NR.
MANTHULUTHIL, J C — CONTRACT NR.
REYNOLDS, D C — PROJ/TASK NR. 7885-03

ARL 62-305
GENERAL ELECTRIC COMPANY
DESORPTION OF MOLECULES BY ION-BEAM BOMBARDMENT MARCH 1962
BY CARINI, F F — DDC NR. 275572
JUDKINS, A E — CONTRACT NR. AF 33<616>-5291
PROJ/TASK NR. 7022-01

ARL 62-306
MARYLAND UNIVERSITY OF
THE SYNTHESIS AND PROPERTIES OF SOME POLYPHENYLS AND BROMINE SUBSTITUTED POLYPHENYLS MARCH 1962
BY WOODS G F — DDC NR.
CONTRACT NR. AF 33<616>-5063
PROJ/TASK NR. 7021-70317

ARL 62-307
RENSSELAER POLYTECHNIC INSTITUTE
DESIGN AND CHARACTERISTICS OF A SMALL HYPERSONIC SHOCK TUNNEL COMBUSTION DRIVER MARCH 1962
BY DUFFY R E — DDC NR. 277198
ROGERS D F — CONTRACT NR. AF 33<616>-7312
NAGAMATSU H T<PI> — PROJ/TASK NR. 7064-01

ARL 62-308
ILLINOIS UNIVERSITY OF
AN APPROXIMATE CALCULATION OF THE FREQUENCY FACTOR IN THE DEFORMATION-RATE EQUATION MARCH 1962
BY FELTNER, C E — DDC NR.
SINCLAIR, G M<PI> — CONTRACT NR. AF 33<616>-5153
PROJ/TASK NR. 7024-01

ARL 62-309
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SCALAR INVARIANTS AND GROUPS OF MOTIONS IN A VN WITH POSITIVE DEFINITE METRIC TENSOR, JANUARY 1962
TENSOR <NEW SERIES> VOL 12, NO 1, 74-81, JAN 62
BY KFRR, R P — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL 62-310
MICHIGAN UNIVERSITY OF
STUDY OF SEEDED PLASMA MARCH 1962
BY BUCHANAN R S — DDC NR. 275595
NICHOLS J A<PI> — CONTRACT NR. AF 33<616>-8126
PROJ/TASK NR. 7114-03

ARL 62-311
NORTHWESTERN UNIVERSITY
RADIATION EFFECTS IN ORDERED POLYMERS MARCH 1962
BY DOLE M — DDC NR. 277185
CONTRACT NR. AF 33<616>-5826
PROJ/TASK NR. 7023-03

ARL-62-312
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
CONTRIBUTIONS TO MULTIPLE COMPARISONS TESTS, MARCH 1962
BY HARTER, H L — DDC NR. 277151
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL-62-313
AERONAUTICAL RESEARCH LABORATORIES
AN INTERPRETATION AND EXTENSION OF TUKEY-S ONE DEGREE OF FREEDOM FOR NON-ADDITIVITY, MARCH 1962
BY HARTER, H L — DDC NR. 277151
LUM, M D — CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 62-314
WARNER SWASEY COMPANY
MEASUREMENT OF TEMPERATURES IN IONIZED GASES BY MEANS OF INFRARED RADIATION PART I INFRARED RADIATION AND TEMPERATURES OF PLASMAJETS PART II MEASUREMENT OF GAS TEMPERATURES IN THERMAL PLUSES BY MONOCHROMATIC RADIATION PYROMETRY
BY TOURIN R H — DDC NR.
HENRY P M — CONTRACT NR. AF 33<616>-6713
LIANG E T — PROJ/TASK NR. 7065-02
TOURIN R H
HECHT M
DOLIN S A

ARL 62-315
OWENS ILLINOIS TECHNICAL CENTER
RESEARCH IN HIGH-TEMPERATURE X-RAY DIFFRACTION TECHNOLOGY MARCH 1962
BY LANG, S M — DDC NR. 277190
FRANKLIN, E W — CONTRACT NR. AF 33<616>-7470
PROJ/TASK NR. 7022-02

ARL 62-316
FRANKLIN INSTITUTF
THE OBSERVATION AND INTERPRETATION OF DISLOCATION TANGLES IN THE EASY GLIDE RANGE OF ALUMINUM MARCH 1962
BY WILSDORF, G F — DDC NR.
SCHMITZ, J — CONTRACT NR. AF 33<616>-6996
PROJ/TASK NR. 7024-02

ARL 62-317
PENNSYLVANIA STATE UNIVERSITY
RESEARCH INVESTIGATION ON STRAIN ANALYSIS OF METAL SHEETS WITH NOTCHES AND CRACKS MARCH 1962
BY OPPEL G U — DDC NR. 276523
HILL P W — CONTRACT NR. AF 33<616>-7298
RICHTER H — PROJ/TASK NR. 7063-02

ARL-62-318
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
LAMINAR FLOW BETWEEN TWO PARALLEL ROTATING DISKS, MAR 1962
PRES AT THE 7TH ANN ARDC SCI AND ENGRG SYMP, BOSTON, MASS, 29-30 NOV 60
BY POLHAUSEN, K — DDC NR. 275562
BREITER, M C — CONTRACT NR.
PROJ/TASK NR. 7071-03

ARL 62-319
EAGLE PICHER COMPANY
RESEARCH IN PURIFICATION OF CADMIUM SULFIDE CRYSTALS AND OTHER II-VI COMPOUNDS MARCH 1962
BY BEAN, K E — DDC NR. 276416
FAHRIG, R H — CONTRACT NR. AF 33<616>-6203
MEDCALF, W E — PROJ/TASK NR. 7116-70715
POWDERLY, J E
RODERIQUE, J S

ARL 62-320
YALE UNIVERSITY OBSERVATORY
RADIATION LAWS UNDER NON-EQUILIBRIUM CONDITIONS APRIL 1962
BY OSTER L — DDC NR.
CONTRACT NR. AF 33<657>-7271
PROJ/TASK NR. 7075-70712

ARL 62-321
NEW YORK UNIVERISTY
CLASSICAL SCATTERING BY REPULSIVE POTENTIALS AND ATOMIC PENETRATION PROBLEMS JANUARY 1962
BY BARODDY, E M — DDC NR. 271532
AUKERMAN, L W<P,I.> — CONTRACT NR. AF 33<616>-8064
PROJ/TASK NR. 7885-01

ARL 62-322
NEW YORK UNIVERSITY
ANNEALING OF ELECTRON-IRRADIATED GAAS JANUARY 1962
BY AUKERMAN, L W — DDC NR. 271533
GRAFT, R D — CONTRACT NR. AF 33<616>-8064
PROJ/TASK NR. 7885-01

ARL 62-323
OHIO STATE UNIVERSITY
FLUID DYNAMICS OF ROCKET COMBUSTION APRIL 1962
BY BOLLINGER L E — DDC NR. 277802
NICHOLSON J R — CONTRACT NR. AF 33<616>-5615
KRISJANSONS J O — PROJ/TASK NR. 7065-01
FISHBURNF F S
FOSE R

ARL 62-324
OHIO STATE UNIVERISTY
RESEARCH ON THE OXIDATION BEHAVIOR OF TUNGSTEN APRIL 1962
BY BATTLES, J E — DDC NR.
EBIHARA, W T — CONTRACT NR. AF 33<616>-5721
MEULI, W P — PROJ/TASK NR. 7022-02
POOL, M J
SPEISER, R
SPRETNAK, J W
ST PIERRE, G R

ARL 62-325
NEW YORK UNIVERSITY
STUDY OF THE REACTION RATES BETWEEN REFRACTORY OXIDES AND GRAPHITE APRIL 1962
BY COUCOULAS, A — DDC NR. 278577
KOMAREK, K L — CONTRACT NR. AF 33<616>-6082
PROJ/TASK NR. 7022-02

ARL 62-326
GEORGIA INSTITUTE OF TECHNOLOGY
HEAT TRANSFER THRESHOLD VALUES FOR RESONANT ACOUSTIC VIBRATIONS IN A HORIZONTAL ISOTHERMAL TUBE APRIL 1962
BY EASTWOOD T — DDC NR.
JACKSON T W — CONTRACT NR. AF 33(616)-8396
OLIVER C C — PROJ/TASK NR. 7063-01
PURDY K R

ARL 62-327
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THERMODYNAMIC PROPERTIES OF SOLID COPPER-NICKEL ALLOYS JANUARY 1962
ACTA MET VOL 10 PP 63-69 JAN 62
BY RAPP, R A — DDC NR.
MAAK, F — CONTRACT NR.
PROJ/TASK NR. 7021-02

ARL 62-328
VIDYA INC
HIGH TEMPERATURE TRANSPORT COEFFICIENTS OF SELECTED GASES APRIL 1962
BY RAGENT B — DDC NR.
NOBLE JR C E — CONTRACT NR. AF 33(616)-8338
STADLER J R(PI) — PROJ/TASK NR. 4063-01

ARL 62-329
OHIO STATE UNIVERSITY
NOTE ON TWO-DIMENSIONAL STRESSES IN LONG BEAMS WITH SPANWISE VARIATION OF LOAD AND TEMPERATURE APRIL 1962
BY GATEWOOD B E — DDC NR.
DALE R — CONTRACT NR. AF 33(616)-8330
PROJ/TASK NR. 7063-02

ARL 62-330
GOETTINGEN, UNIVERSITY OF
INVESTIGATION OF GASEOUS DETONATIONS AND SHOCK WAVE EXPERIMENTS WITH HYDRAZINE
BY JOST, W — DDC NR.
CONTRACT NR. AF 61(514)-1142
PROJ/TASK NR. 7013-01

ARL 62-331
OHIO STATE UNIVERSITY
A SUMMARY DISCUSSION OF THE BOX TECHNIQUE FOR EXPLORING RESPONSE SURFACES WITH EMPHASIS ON ROTATABLE DESIGNS APRIL 1962
BY TRUETT, J — DDC NR. 278836
CONTRACT NR. AF 33(616)-6503
PROJ/TASK NR. 7013-70346

ARL 62-332
ISRAEL INSTITUTE OF TECHNOLOGY
INVESTIGATION ON FIELDS 15 JANUARY 1962
BY ROSEN N — DDC NR.
CONTRACT NR. AF 61(052)-92
PROJ/TASK NR. 7114-01

ARL 62-333
GENERAL MILLS
INVESTIGATION OF SURFACE PHENOMENA WITH ELECTRON MIRROR MICROSCOPY APRIL 1962
BY MENARD, R C — DDC NR.
ANDERSON A A — CONTRACT NR. AF 33(616)-6178
ROEPKE, W W — PROJ/TASK NR. 7022-01

ARL 62-334
PHYSICS, ENGINEERING, CHEMISTRY CORP
INVESTIGATION OF THE DYNAMICS OF IONIZED MEDIA (PLASMAS) APRIL 1962
BY BRITTIN, W E — DDC NR.
CONTRACT NR. AF 33(616)-7586
PROJ/TASK NR. 7071-03

ARL 62-335
WISCONSIN, UNIVERSITY OF
TRANSPORT PROPERTIES OF GASES OBEYING THE MORSE POTENTIAL APRIL 1962
BY LOVELL, S E — DDC NR. 278590
HIRSCHFELDER, J O — CONTRACT NR. AF 33(657)-7311
PROJ/TASK NR. 7013-01

ARL 62-336
ELECTRICAL-OPTICAL SYSTEMS INC
RESEARCH ON SPECTRALLY SELECTIVE MATERIALS AND SURFACES APRIL 1962
BY MOORE H R — DDC NR.
PROJ/TASK NR. 7116-02
BRADBURY R E — CONTRACT NR. AF 33(616)-6549

ARL 62-337
LONDON, UNIVERSITY OF
AN EXPERIMENTAL STUDY OF BURNER STABILIZED TURBULENT FLAMES IN PREMIXED REACTANTS APRIL 1962
BY FOX, M D — DDC NR. 278681
WEINBERG, F J — CONTRACT NR. AF 61(514)-1013
PROJ/TASK NR. 7013-01

ARL-62-338
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ON THE WEIGHT AND DESIGN OF A REDUNDANT TRUSS, APRIL 1962
BY MAYERJAK, R J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7063-70524

ARL 62-339
RENSSELAER POLYTECHNIC INSTITUTE
THE NON-EQUILIBRIUM FLOW OF AN IONIZED GAS PAST A SINUSOIDAL WALL APRIL 1962
BY KUSUKAWA K I — DDC NR. 278587
NAGAMATSU H T(PI) — CONTRACT NR. AF 33(616)-7312
PROJ/TASK NR. 7064-01

ARL 62-340
TECHNOLOGY, UNIVERSITY OF
POLAROGRAPHIC STUDIES IN CERTAIN NON-AQUEOUS SYSTEMS 10 JANUARY 1962
BY GUTMANN, V — DDC NR.
CONTRACT NR. AF 61(052)-487
PROJ/TASK NR. 7073-02

ARL 62-341
MINNESOTA, UNIVERSITY OF
AN INVESTIGATION OF THE ANODE LOSSES IN ARGON ARCS AND THEIR REDUCTION BY TRANSPIRATION COOLING APRIL 1962
BY SCHOEK, P A — DDC NR. 278570
ECKERT, E R G — CONTRACT NR. AF 33(616)-5528
WUTZKE, S A — PROJ/TASK NR. 7064-70138

ARL-62-342
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
LOSS AND INLET SHAPES OF MINIMUM DRAG IN SUPERSONIC FLOW MAY 1962
PRES AT INST OF AEROSPACE SCI MTG, LOS ANGELES, CAL JUN 1962
PRES AT SYMPOSIUM BOEING SCI RSCH LAB, SEATTLE, WASH DEC 1962
BY ARMITAGE, J. V. — DDC NR.
GUDERLEY, K G. — CONTRACT NR.
VALENTINE, E. M. — PROJ/TASK NR. 7071-03

ARL 62-343
NEW YORK UNIVERSITY
THEORETICAL AND EXPERIMENTAL STUDIES CONCERNING RADIATION DAMAGE IN SELECTED COMPOUND SEMICONDUCTORS MAY 1962
BY AUKERMAN, L W — DDC NR.
BARODY, E M — CONTRACT NR. AF 33(616)-8064
GRAFT, R D — PROJ/TASK NR. 7885-01
SHILLIDAY, T S

ARL 62-344
STAUFFER CHEMICAL COMPANY
RESEARCH IN THE PREPARATION OF PERPHENYLATED SILARYLANES MAY 1962
BY ANDERSON A R — DDC NR.
KENT, M M — CONTRACT NR. AF 33(616)-5434
NEWING, C W — PROJ/TASK NR. 7023-01
TOWERS, R S

ARL 62-345
PRINCETON UNIVERSITY
INVESTIGATION OF THE LAMINAR BOUNDARY LAYER ON A FLAT PLATE IN HELIUM USING THE CORCCO METHOD MAY 1962
BY NICOLL K M — DDC NR. 278580
BOGDONOFF S M(PI) — CONTRACT NR. AF 33(616)-5416
PROJ/TASK NR. 7064-01

ARL 62-346
OHIO STATE UNIVERSITY
THE MOLECULAR FLOW OF DIATOMIC GASES AND GAS MIXTURES MAY 1962
BY LEE J D — DDC NR. 278834
CONTRACT NR. AF 33(616)-5593
PROJ/TASK NR. 7065-01

ARL 62-347
FLIGHT SCIENCES LAB INC
U GASDYNAMIC AND AERODYNAMIC PROBLEMS ASSOCIATED WITH HYPERSONIC AND RE-ENTRY VEHICLES APRIL 1962 PART I CONFIDENTIAL
BY ISENBERG J S — DDC NR.
CONTRACT NR. AF 33(616)-7203
PROJ/TASK NR. 7064-01

ARL 62-347
FLIGHT SCIENCES LAB INC
GASDYNAMIC AND AERODYNAMIC PROBLEMS ASSOCIATED WITH HYPERSONIC AND RE-ENTRY VEHICLES APRIL 1962 PART II
BY ISENBERG J S — DDC NR.
CONTRACT NR. AF 33(616)-7203
PROJ/TASK NR. 7064-01

ARL 62-348
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE PLASTIC DEFORMATION OF CHROMIUM AT LOW TEMPERATURES FEBRUARY 1962
ACTA MET VOL 10 NO 2 PP 95-111 FEB 62
BY MARCINKOWSKI, M J — DDC NR.
LIPSITT, H A — CONTRACT NR.
PROJ/TASK NR. 7024-70667

ARL-62-349
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ON THE EXISTENCE OF A SOLUTION OF A NON-LINEAR WAVE EQUATION HAVING MIXED BOUNDARY CONDITIONS, PRES SIAM MTG, MONTEREY, CALIF, (MAR 61)
BY JOHNSON, M L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-03

ARL 62-350
NATIONAL BUREAU OF STANDARDS
GAMMA IRRADIATION OF FLUOROCARBON POLYMERS AND SMALL MOLECULES MAY 1962
BY WALL, L A — DDC NR. 278578
FLORIN, R E — CONTRACT NR. AF 33(616)-60-4
PROJ/TASK NR. 7023-03

ARL 62-351
LABORATOIRE DE PHYSIQUE, ECOLE, NORMALE SUPERIEURE
DOUBLE PHONON PROCESSES IN CADMIUM SULFIDE 15 FEBRUARY 1962
BY BALKANSKI, M — DDC NR.
HOPFIELD, J J — CONTRACT NR. AF 61(052)-130
PROJ/TASK NR. 7085-02

ARL 62-352
SOUTHERN CALIFORNIA, UNIVERSITY OF
RADIATION EFFECTS ON THE SURFACES OF SOLIDS MAY 1962
BY ADAMSON, A W — DDC NR.
DATTA, S K — CONTRACT NR. AF 33(616)-5320
LING, I — PROJ/TASK NR. 7022-01

ARL 62-353
TORONTO UNIVERSITY OF
A STATE-OF-THE-ART SURVEY OF SOME ASPECTS OF THE MECHANICS OF RAREFIED GASES AND PLASMAS MARCH 1962
BY PATTERSON G N — DDC NR. 277144
CONTRACT NR. AF 33(616)-6990
PROJ/TASK NR. 7064-01

ARL 62-955
CALIFORNIA INSTITUTE OF TECHNOLOGY
ON THE EFFECT OF THICKNESS NEAR A SLENDER PERFORATION IN A FLAT PLATE FORMULATION OF APPROXIMATE PROBLEMS MAY 1962
BY SWEDLOW J L DDC NR. 278665
WILLIAMS M L(PI) CONTRACT NR. AF 33(616)-7806
PROJ/TASK NR. 7069-02

ARL 62-956
CALIFORNIA INSTITUTE OF TECHNOLOGY
THE EFFECT OF INITIAL SPHERICAL CURVATURE ON THE STRESSES NEAR A CRACK POINT MAY 1962
BY ANG D D DDC NR. 278666
FOLIAS E S CONTRACT NR. AF 33(616)-7806
WILLIAMS M L PROJ/TASK NR. 7069-02

ARL 62-957
GENERAL ELECTRIC COMPANY
RESEARCH ON DISPERSION HARDENING MAY 1962
BY GUARD, R W DDC NR. 278960
LIVINGSTON, J D CONTRACT NR. AF 33(616)-6606
PROJ/TASK NR. 7021-06

ARL 62-958
VIDYA INC
HIGH TEMPERATURE THERMODYNAMIC PROPERTIES OF SELECTED GASES A REVIEW MAY 1962
BY RUDIN M DDC NR. 278589
RAGENT B CONTRACT NR. AF 33(616)-8358
STANLEY J P(PI) PROJ/TASK NR. 7069-01

ARL 62-959
MINNESOTA, UNIVERSITY OF
THERMODYNAMICS AND TRANSPORT PROCESSES IN MULTICOMPONENT SYSTEMS MAY 1962
BY BOSNJAKOVIC, F DDC NR. 278971
ECKERT, E R G(P.I.) CONTRACT NR. AF 33(616)-5520
PROJ/TASK NR. 7064-70138

ARL 62-960
ELECTRO-OPTICAL SYSTEMS INC
FEASIBILITY OF A SOLAR ENERGY DEVICE PART I DESIGN AND PERFORMANCE CONSIDERATIONS JUNE 1962
BY FULLER F F DDC NR.
CONTRACT NR. AF 33(616)-5977
PROJ/TASK NR. 7116-02

ARL 62-960
ELECTRO-OPTICAL SYSTEMS INC
FEASIBILITY OF A SOLAR ENERGY DEVICE PART II AN INVESTIGATION OF THE PERFORMANCE OF A SUBSONIC DIFFUSER AT LOW DENSITIES JUNE 1962
BY FULLER F F DDC NR.
CONTRACT NR. AF 33(616)-5977
PROJ/TASK NR. 7116-02

ARL 62-961
TULANE UNIVERSITY
HEAT TRANSFER FROM THE REAR OF BLUFF OBJECTS TO A LOW SPEED AIR STREAM JUNE 1962
BY SOGIN H H DDC NR. 282596
CONTRACT NR. AF 33(616)-8481
PROJ/TASK NR. 7069-01

ARL 62-962
BOLT BERANEK AND NEWMAN
EFFECT OF LOCALIZED ACOUSTIC EXCITATION ON THE STABILITY OF A LAMINAR BOUNDARY LAYER JUNE 1962
BY JACKSON F J DDC NR. 278939
HECKL M A CONTRACT NR. AF 33(616)-8001
PROJ/TASK NR. 7069-01

ARL 62-963
NOTTINGHAM, UNIVERSITY OF
THE CHEMISTRY OF BORON FEBRUARY 1962
BY GREENWOOD, N N DDC NR.
CONTRACT NR. AF 61(052)-111
PROJ/TASK NR. 7013-06

ARL 62-964
OHIO STATE UNIVERSITY
THE EXPERIMENTAL APPLICATION OF SONIC-PNEUMATIC PROBE SYSTEMS TO TEMPERATURE MEASUREMENT IN A HYPERSONIC AIRSTREAM JUNE 1962
BY WELSHIMER DON F DDC NR.
LEE J D(PI) CONTRACT NR. AF 33(616)-5591
PROJ/TASK NR. 7069-01

ARL 62-965
NEW YORK UNIVERSITY
RESEARCH ON II-VI COMPOUND SEMICONDUCTORS JUNE 1962
BY SCHIOZAWA, L R DDC NR. 28718
BARRETT, J L CONTRACT NR. AF 33(616)-6065
CHOTREVYS, G P PROJ/TASK NR. 7089-09
DEVLIN, S S
JOST, J M

ARL 62-966
CALIFORNIA INSTITUTE OF TECHNOLOGY
STUDIES OF VISCOPLASTIC MEDIA JUNE 1962
BY WILLIAMS M L DDC NR. 278809
SCHAPERY R A CONTRACT NR. AF 33(616)-8399
PROJ/TASK NR. 7069-02

ARL 62-967
QUEEN-S UNIVERSITY
PLASMA OSCILLATIONS SOME NEW EXPERIMENTS JUNE 1962
BY EMELEUS, K G DDC NR. 278862
GARSCADDEN, A CONTRACT NR. AF 61(052)-192
PROJ/TASK NR. 7079-09

ARL 62-968
DAYTON, UNIVERSITY OF
SPECTROGRAPHIC 106 CM/SEC STREAK GENERATORS EMPLOYING REASONATING OPTICAL RESOLVERS JUNE 1962
BY BARRUFET, W R DDC NR. 278819
KEITH, B H CONTRACT NR. AF 33(616)-6766
PROJ/TASK NR. 7079-01

ARL 62-969
TECHNOLOGY UNIVERSITY OF
THE POLAROGRAPHIC DETERMINATION OF ALUMINUM 2 APRIL 1962
BY GUTMANN, V DDC NR.
CONTRACT NR. AF 61(052)-687
PROJ/TASK NR. 7029-02

ARL 62-970
CALIFORNIA INSTITUTE OF TECHNOLOGY
A THEORY OF ACOUSTIC FATIGUE JULY 1962
BY VALLURI, S R DDC NR. 278806
WILLIAMS M(P.I.) CONTRACT NR. AF 33(616)-6270
PROJ/TASK NR. 7026-01

ARL 62-971
CALIFORNIA INSTITUTE OF TECHNOLOGY
A THEORY OF ELEVATED TEMPERATURE- HIGH STRESS LEVEL FATIGUE JULY 1962
BY VALLURI, S R DDC NR. 278646
MAULDIN, J H CONTRACT NR. AF 33(616)-6270
FRANCIS, P H PROJ/TASK NR. 7026-01
WILLIAMS, M(P.I.)

ARL 62-972
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
COMMENTS ON THE POSSIBILITY OF AN OPTICAL RADAR SYSTEM 1962
SUPERSEDES WADC TN 59-189
BY GEBEL, R E H DDC NR. 278660
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 62-973
ROCKETDYNE, DIV OF NORTH AMERICAN
STATISTICAL DESIGN OF COMPLEX EXPERIMENTAL PROGRAMS, PART I OPTIMUM EXPERIMENTAL DESIGNS OBTAINED BY MINIMIZING A LOSS FUNCTION JULY 1962
BY LAST, F W DDC NR. 280285
ZIMMERMAN J M(PI) CONTRACT NR. AF 33(616)-7572
PROJ/TASK NR. 7071-01

ARL 62-973
ROCKETDYNE, DIV OF NORTH AMERICAN
STATISTICAL DESIGN OF COMPLEX EXPERIMENTAL PROGAMS PART II, THE DECISION THEORY APPROACH TO COMPLEX EXPERIMENTATION JULY 1962
BY LOCKS, M O DDC NR.
ZIMMERMAN J M(PI) CONTRACT NR. AF 33(616)-7572
PROJ/TASK NR. 7071-01

ARL 62-974
ARMOUR RESEARCH FOUNDATION
RESEARCH IN THE MEASUREMENTS AND THEORY OF PLASMOIDS AND THEIR APPLICATIONS TO MISSLES AND SATELLITE TECHNOLOGY JULY 1962
BY SCHOLZ, L C DDC NR.
CONTRACT NR. AF 33(616)-5791
PROJ/TASK NR. 7079-01

ARL 62-975
OHIO STATE UNIVERSITY
A PRELIMINARY STUDY OF THE HYPERSONIC FLOW OF HELIUM-AIR MIXTURES JULY 1962
BY PETRIE S L DDC NR. 280408
LEE J D(PI) CONTRACT NR. AF 33(616)-5591
PROJ/TASK NR. 7069-01

ARL 62-977
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH
STUDIES OF OXIDATION OF TA-10%W AT 700?-1300?C,MARCH 1962
BY KOPSTAD, P DDC NR. 276729
CONTRACT NR. AF-EOAR-61-62
PROJ/TASK NR. 7022-70646

ARL-62-978
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PERCENTAGE POINTS OF THE RATIOR OF TWO RANGES AND RELATED TABLES, JULY 1962
BY HARTER, H L DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 62-979
LOUVAIN UNIVERSITY OF
ION PRODUCTION AND CONCENTRATION IN FLAMES, MAY 1962
BY VAN TIGGELEN A DDC NR.
BERTRAND J N PROJ/TASK NR. 7013-70922
D OLIFSLAGER J

ARL 62-980
PITTSBURGH, UNIVERSITY OF
EMPTY SPACE METRICS CONTAINING HYPERSURFACE ORTHOGONAL GEODESIC RAYS 20 JUNE 1962
J MATH PHYS VOL 3, 5 PP 902-907
BY NEWMAN, E. T. DDC NR.
TAMBURINO, L. A. CONTRACT NR. AF 33(616)-8288
PROJ/TASK NR. 7116-01

ARL 62-981
PITTSBURGH UNIVERSITY OF
BEHAVIOR OF SYMPTOTICALLY FLAT EMPTY SPACES 1962
J MATH PHYS VOL 3, 5, PP 901-901
BY NEWMAN, E. T. DDC NR.
URITI, T. W. J. CONTRACT NR. AF 33(616)-8288
PROJ/TASK NR. 7116-01

ARL 62-982
PITTSBURG UNIVERSITY OF
THE EQUIVALENCE PROBLEM IN SPACES WITH SYMMETRIES
BY JANIS A J DDC NR.
NEWMAN E(PI) CONTRACT NR. AF 33(616)-8288
PROJ/TASK NR. 7116-01

ARL 62-983
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
THE POSSIBLE USE OF THE COLOSED CIRCUIT TELEVISION SYSTEM FOR OPTICAL RANGEFINDING JULY 1962
SUPERSEDES WADC TN 59-929
BY GEBEL, R E H DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7072-70827

ARL 62-384
COPENHAGEN, UNIVERSITY OF
WEAK INTERACTION MODEL FOR DISSOCIATION OF DIATOMIC MOLECULES
BY ANDERSON, E — DDC NR.
BAE, T A — CONTRACT NR. AF 61(052)-133
PROJ/TASK NR. 7019-01

ARL 62-385
SOUTHAMPTON UNIVERSITY OF
ON THE MAINTENANCE OF CHEMICAL EQUILIBRIUM DURING THE EXPANSION OF REACTING GAS MIXTURES THE OPTIMUM NOZZLE
[illegible]
BY APPLETON J P — DDC NR. 282939
RICHARDS P J<PI> — CONTRACT NR. AF 61(052)-250
PROJ/TASK NR. 7064-01

ARL 62-386
POLYTECHNIC INSTITUTE OF BROOKLYN
BOUNDARY CONDITIONS AT THE OUTER EDGE OF THE BOUNDARY LAYER ON BLUNTED CONICAL BODIES JULY 1962
BY ZAKKAY V — DDC NR.
KRAUSE E — CONTRACT NR. AF 33(616)-7661
FERRI A<PI> — PROJ/TASK NR. 7064-01

ARL 62-387
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
HYPERSONIC VISCOUS FLOW OVER CONES AT NORMINAL MACH 11 IN AIR JULY 1962
BY ANDERSON, JR., J D — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7064-01

ARL 62-388
MINNESOTA UNIVERSITY OF
TEMPERATURE DISTRIBUTION IN A LOW MASS FLUX ARGON PLASMA JET JULY 1962
BY WINTER, E R F — DDC NR. 286869
CREMERS, C J — CONTRACT NR. AF 33(616)-9528
ECKERT, E R G<PI> — PROJ/TASK NR. 7064-70138

ARL 62-389
GENERAL ATOMIC, DIV OF GENERAL DYNAMICS
RANGE OF RECOIL ATOMS JULY 1962
BY VAN LINT V A J — DDC NR. 287635
WYATT, W F — CONTRACT NR. AF 33(616)-6795
PROJ/TASK NR. 7084-01

ARL 62-390
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THERMODYNAMIC PROPERTIES OF SELECTED SPECIES CONTAINING CARBON, HYDROGEN, OXYGEN, HELIUM AND ARGON AUGUST 1962
BY WOLFSON, B T — DDC NR. 286867
DUNN, R G — CONTRACT NR.
PROJ/TASK NR. 7065-70135

ARL 62-391
TECHNOLOGY, UNIVERSITY OF
THE POLAROGRAPHIC DETERMINATION OF BERYLLIUM 8 JUNE 1962
BY GUTMANN, V — DDC NR. 282391
CONTRACT NR. AF 61(052)-687
PROJ/TASK NR. 7029-02

ARL 62-392
OHIO STATE UNIVERSITY
DESIGN PERFORMANCE AND OPERATIONAL CHARACTERISTICS OF THE ARL TWENTY-INCH HYPERSONIC WIND TUNNEL AUGUST 1962
BY GREGORFF G M — DDC NR.
LEE J D — CONTRACT NR. AF 33(616)-7651
PROJ/TASK NR. 7064-01

ARL 62-393
OHIO STATE UNIVERSITY
INITIAL CALIBRATIONS AND PERFORMANCE OF THE ARL TWENTY-INCH HYPERSONIC WIND TUNNEL AUGUST 1962
BY GREGORFF G M — DDC NR.
LEE J D<PI> — CONTRACT NR. AF 33(616)-7651
PROJ/TASK NR. 7064-01

ARL 62-394
OHIO STATE UNIVERSITY
INVESTIGATIONS OF CO-AXIAL AIR INJECTION IN A HYPERSONIC WIND TUNNEL AUGUST 1962
BY PETRIE S L — DDC NR.
LEE J D<PI> — CONTRACT NR. AF 33(616)-7651
PROJ/TASK NR. 7064-01

ARL 62-395
MARSHAW CHEMICAL COMPANY
RESEARCH ON A COMPOSITE ENERGY GAP PHOTOVOLTAIC CELL AUGUST 1962
BY BIRON, J D — DDC NR.
MEYERDAHL, R F — CONTRACT NR. AF 33(616)-6968
SHIRLAND F A<PI> — PROJ/TASK NR. 7116-70715

ARL-62-396
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON SURFACE MASS TRANSFER EFFECTS IN A BINARY FLUID, AUGUST 1962
BY TIFFORD, A N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 62-397
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH
RESEARCH ON THE BEHAVIOR OF TANTALUM AND TANTALUM BASE ALLOYS AT HIGH TEMPERATURES 1 APRIL 1962
BY KOFSTAD, P — DDC NR. 281882
CONTRACT NR. AF-EOAR-61-62
PROJ/TASK NR. 7022-70646

ARL 62-398
DAYTON UNIVERSITY OF
RESEARCH ON SYSTEMS FOR PRODUCTION OF HIGH TEMPERATURE AND HIGH DENSITY GASES<PRESSURE ENERGY EXCHANGE PRINCIPLE> JULY 1962
BY MINARDI J F — DDC NR. 282277
SCHWARTZ R B — CONTRACT NR. AF 33(616)-6617
PROJ/TASK NR. 7069-01

ARL 62-399
UPPSALA UNIVERSITY
THE SPECTRA OF HIGHLY IONIZED LIGHT ELEMENTS IN A HIGH TEMPERATURE PLASMA 8 MAY 1962
BY BOCKASTEN K — DDC NR. 285962
MALLIN R — CONTRACT NR. AF 61(052)-170
HUGHES T P — PROJ/TASK NR. 7079-70712
SIEGBAHN K<PI>
OHLIN P<PI>

ARL 62-400
UPPSALA UNIVERSITY
[illegible] ELECTRONIC STRUCTURE 1 MAY 1962
BY ADAMS, N N — DDC NR. 282[illegible]
LOWDIN, P O<P.I.> — CONTRACT NR. AF 61(052)-351
PROJ/TASK NR. 7029-04

ARL 62-401
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE PROFILE OF THE ARC COLUMN AUGUST 1962
BY SCHMITZ, G — DDC NR. 286044
CONTRACT NR.
PROJ/TASK NR. 7079-707301

ARL-62-402
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE SENSITIZATION OF DIACETYL FLUORESCENCE IN FLUID SOLUTIONS,
LUMINESCENCE OF ORGANIC AND INORGANIC MATERIALS, JOHN WILEY & SONS, P 115 (1963), PRES 10TH INTER CONF ON LUMINESCENCE, NEW YORK UNIV, OCT 1961.
BY DUBOIS, J T — DDC NR.
STEVENS, B, — CONTRACT NR.
PROJ/TASK NR. 7013-70366

ARL 62-403
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE HARTREE-FOCK ATOMIC WAVE-FUNCTIONS FOR IONS OF P, S, C AND A, 1962
ASTROPHYS J, SUPPL SER 069 VOL VII P 59-66 JAN 62
BY CZYZAK S J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-02

ARL 62-404
CALIFORNIA UNIVERSITY OF
THE FREE ELECTRONS IN ACTIVE NITROGEN AUGUST 1962
BY KUMMEL W B — DDC NR.
GARDNER A L — CONTRACT NR. AF 33(616)-6161
NASLACH G P<PI> — PROJ/TASK NR.

ARL 62-405
PRINCETON UNIVERSITY
THE FLOW ABOUT THE LEADING EDGE OF A SWEPT BLUNT PLATE AT HYPERSONIC SPEEDS AUGUST 1962
BY HORSTMANN C C — DDC NR.
VAS I E — CONTRACT NR. AF 33(616)-5616
DOBBSORFF S M<PI> — PROJ/TASK NR. 7064-01

ARL 62-406
RCA VICTOR COMPANY
SOLID STATE CHARGED PARTICLE SILICON DETECTORS AUG 1962
BY HALLAM, J W — DDC NR.
JACKSON, R, W.<P.I.> — CONTRACT NR. AF 33(616)-8979
PROJ/TASK NR. 7112-70716

ARL-62-407
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
A QUALITATIVE TEST FOR SILICON AND OTHER GROUP IVB ELEMENTS IN ORGANOMETALLIC COMPOUNDS, AUGUST 1962
BY SPIALTER, L — DDC NR. 285705
BALLESTER, M — CONTRACT NR.
PROJ/TASK NR. 7029-70517

ARL 62-408
OSLO UNIVERSITY OF
UBER DIE DARSTELLUNG VON SPINOREN 1962
PHYSICA MATHEMATICA ZEITSCHRIFT FUR PHYSIK 167, 269-289 1962
BY HYLLERAAS E A — DDC NR.
CONTRACT NR. AF 61(052)-134
PROJ/TASK NR. 7029-04

ARL-62-409
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
EXPECTED VALUES AND STANDARD DEVIATIONS OF THE RECIPROCAL OF A VARIABLE FROM A DECAPITATED NEGATIVE BINOMIAL DISTRIBUTION, JUNE 1962
J AMER STAT ASSN 57, 439 (1962)
BY RIDER, P R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 62-410
QUEEN-S UNIVERSITY
NOTES ON THE EFFECT OF NOISE ON LANGMUIR PROBES CHARACTERISTICS 1962
REPRINT PROC PHYS SOC VOL 79, PART 5, NO 509 935-941 1962
BY GARSCADDEN, A — DDC NR.
EMELEUS, H G — CONTRACT NR. AF 61(052)-132
PROJ/TASK NR. 7079-03

ARL 62-411
ITT LABORATORIES
AN ANALYTICAL AND EXPERIMENTAL STUDY CONCERNING AN INFRARED IMAGE CONVERTER SYSTEM FOR OBSERVATION BY MEANS OF THE SEQUENTIAL LIGHT AMPLIFICATIONS SYSTEMS AUGUST 1962
BY HALL, P F — DDC NR.
ORTHUBER, R E — CONTRACT NR. AF 33(616)-5626
PROJ/TASK NR. 7072

ARL 62-412
WISCONSIN, UNIVERSITY OF
A METHOD FOR CALCULATING VIBRATIONAL TRANSITION PROBABILITIES AUGUST 1962
AUGUST 1962
BY CASHION, K — DDC NR.
HIRSCHFELDER, J O<PI — CONTRACT NR. AF 33(657)-7911
PROJ/TASK NR. 7013-01

ARL 62-413
NATIONAL BUREAU OF STANDARDS
FLUORESCENCE AND ROTATIONAL RELAXATION OF OH RADICALS IN FLAMES, 1960
REPRINT EIGHTH SYMP <INTERN> ON COMBUSTION THE WILLIAMS & WILKINS CO., BALTIMORE MD.,
BY CARRINGTON, T — DDC NR., CONTRACT NR. AF 33(657)-62387, PROJ/TASK NR. 7013-03

ARL 62-414
NATIONAL BUREAU OF STANDARD
FLUORESCENCE IN COMETS AS A MARKOV PROCESS MAY 1962
REPRINT ASTROPHYSICAL J VOL 135, NR1, 881-891, MAY 1962
BY CARRINGTON, T — DDC NR., CONTRACT NR. AF 33(657)-62387, PROJ/TASK NR. 7013-03

ARL 62-415
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
A PORTABLE LOW LEVEL LIGHTMETER AUGUST 1962
BY GEBEL, R E H — DDC NR., CONTRACT NR., PROJ/TASK NR. 7072-70827

ARL 62-415 I
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
LOW-LEVEL LIGHTMETER FOR THE NEAR INFRARED AUGUST 1962
BY GEBEL, R E H — DDC NR., CONTRACT NR., PROJ/TASK NR. 7072-70827

ARL 62-415 II
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
MODIFIED LOW-LEVEL LIGHTMETER FOR THE NEAR INFRARED AUGUST 1962
BY GEBEL, R E H — DDC NR., CONTRACT NR., PROJ/TASK NR. 7072-70827

ARL 62-415 III
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
TRANSISTORIZED DC AND DC POWER CONVERTER AUGUST 1962
BY YANG, M M; GEBEL, R E H(P.I.) — DDC NR., CONTRACT NR., PROJ/TASK NR. 7072-70827

ARL 62-416
OAK RIDGE TECHNICAL ENTERPRISES CORP
EFFECTS OF LONG TERM VACUUM ON COMMERCIAL SILICON RADIATION DETECTORS AUGUST 1962
BY WEISS W L; WHATLEY F M — DDC NR., CONTRACT NR. AF 33(616)-8397, PROJ/TASK NR. 7112-70716

ARL 62-417
MINNESOTA, UNIVERSITY OF
STUDIES OF THE DYNAMIC PROPERTIES OF LANGMUIR PROBES, AUGUST 1962
BY OSKAM, H J — DDC NR., CONTRACT NR. AF 33(616)-7096, PROJ/TASK NR. 7073-03

ARL 62-418
CALIFORNIA INSTITUTE OF TECHNOLOGY
IRREVERSIBLE THERMODYNAMICS AND VARIATIONAL PRINCIPLES WITH APPLICATIONS TO VISCOELASTICITY AUGUST 1962
BY SCHAPERY R A; WILLIAMS M L(P.I.) — DDC NR., CONTRACT NR. AF 33(616)-8399, PROJ/TASK NR. 7063-07

ARL 62-419
OHIO STATE UNIVERSITY
INVESTIGATION OF A PLASMA WIND TUNNEL AUGUST 1962
BY PETRIE S L; LEE J D(P.I.) — DDC NR., CONTRACT NR. AF 33(616)-8108, PROJ/TASK NR. 7065-01

ARL 62-420
OHIO STATE UNIVERSITY
EXPERIMENTAL STUDY OF THE USE OF NITROUS OXIDE IN A HYPERSONIC WIND TUNNEL SEPTEMBER 1962
BY THOMAS R F; LEE J D(P.I.) — DDC NR., CONTRACT NR. AF 33(616)-8393, PROJ/TASK NR. 7065-01

ARL 62-421
WISCONSIN, UNIVERSITY OF
TABLES OF COLLISION INTEGRALS FOR GASES OBEYING THE MORSE POTENTIAL SEPTEMBER 1962
BY LOVELL, S F; HIRSCHFELDER, J O — DDC NR., CONTRACT NR. AF 33(657)-7311, PROJ/TASK NR. 7013-01

ARL 62-422
WISCONSIN, UNIVERSITY OF
THE EFFECT OF DEGENERACY ON THE INELASTIC SCATTERING OF ELECTRONS AND PROTONS BY HYDROGEN ATOMS SEPTEMBER 1962
BY ROBINSON, P D; HIRSCHFELDER J O(P.I.) — DDC NR., CONTRACT NR. AF 33(657)-7311, PROJ/TASK NR. 7013-01

ARL 62-423
BROWN UNIVERSITY
ESTIMATION OF THE HEAT TRANSFER FROM THE REAR OF AN AEROSPHERE WADD TN 59-1
BY RICHARDSON P D — DDC NR., CONTRACT NR. AF 33(616)-5756, PROJ/TASK NR. 7063-01

ARL 62-424
STANFORD RESEARCH INSTITUTE
DESIGN OF AN INSTRUMENT FOR STUDY OF IONS WITH SUB-MICROSECOND LIFETIMES, SEPTEMBER 1962
BY SAMUEL, A H — DDC NR., CONTRACT NR. AF 33(657)-8211, PROJ/TASK NR. 7023-03

ARL 62-425
CASE INSTITUTE OF TECHNOLOGY
INTERSTITIAL INDUCED DELAYED FAILURE OF STEEL SEPTEMBER 62
BY SCOTT, T F; TROIANO, A R — DDC NR., CONTRACT NR. AF 33(616)-6419, PROJ/TASK NR. 7021-01

ARL 62-426
WILLIAM M JOHNSTON LABORATORIES, INC
THEORETICAL STUDIES IN BASIC RADIATION CHEMISTRY SEPTEMBER 1962
BY VESTAL, M; WAHRHAFTIG, A L; JOHNSTON W M(P.I.) — DDC NR., CONTRACT NR. AF 33(616)-7638, PROJ/TASK NR. 7021-01

ARL 62-427
OSLO UNIVERSITY OF
X-RAY AND MAGNETIC STUDY OF THE VANADIUM SULFIDE PHASES V5S4 AND V5S8 14 FEBRUARY 1962
BY GRONVOLD, F; HARALDSEN, H; FREDERIKSEN, N; TUFTE, T; BARTH, G F W(P.I.) — DDC NR., CONTRACT NR. AF 61(052)-178, PROJ/TASK NR. 7021-02, IBLLMU

ARL 62-427
OSLO, UNIVERSITY OF
ON THE COMPOSITION, STRUCTURE AND MAGNETIC PROPERTIES OF SOME URANIUM CHALCOGENIDES 31 MARCH 1962
BY GRONVOLD, F; HARALDSEN, H; THURMANN-MOE, T; TUFTE, T; BARTH, G F W(P.I.) — DDC NR., 286871, CONTRACT NR. AF 61(052)-178, PROJ/TASK NR. 7021-02

ARL 62-428
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE APPEARANCE AND RETURN OF A HYDROGEN YIELD POINT IN IRON OCTOBER 1962
ACTA MET VOL 10 NO 8, 761-769, 1962
BY ADAIR, A M; MOOE, R E — DDC NR., CONTRACT NR., PROJ/TASK NR. 7026-01

ARL 62-429
LEHIGH UNIVERSITY
A STUDY OF GEODESIC MOTION IN THE FIELD OF SCHWARZCHILDS SOLUTION
ACTA PHYSIOL POLON VOL XXI 259-268 1962
BY MIELNIK B; PLEBANSKI; MAVAS P(P.I.) — DDC NR., CONTRACT NR. AF 33(616)-7368, PROJ/TASK NR. 7114-01

ARL 62-430
OHIO STATE UNIVERSITY
CHEMICAL KINETICS OF NITROUS OXIDE DECOMPOSITION AT ELEVATED PRESSURES AND TEMPERATURES SEPTEMBER 1962
BY FISHBURNE F S; EDSE R — DDC NR., CONTRACT NR. AF 33(616)-5615, PROJ/TASK NR. 7065-01

ARL 62-431
OHIO STATE UNIVERSITY
EXPLOSION LIMIT STUDIES OF NITROUS OXIDE AND NITROUS OXIDE-NITROGEN-AIR MIXTURES TO 200 ATM AND 1800 K SEPTEMBER 1962
BY ERIKSSON, J; BOLLINGER L E; EDSE R — DDC NR., CONTRACT NR. AF 33(616)-5615, PROJ/TASK NR. 7065-01

ARL 62-432
OHIO STATE UNIVERSITY
DETONABILITY OF NITROUS OXIDE AT ELEVATED INITIAL PRESSURES AND TEMPERATURES SEPTEMBER 1962
BY LAUGHREY J F; BOLLINGER L E; EDSE R — DDC NR., CONTRACT NR. AF 33(616)-5615, PROJ/TASK NR. 7065-01

ARL 62-433
WHEELER AND WHEELER ASSOCIATES
RESEARCH IN CRYOGENICS AND MAGNETO-OPTICS SEPTEMBER 1962
BY WHEELER W G; WHEELER G W — DDC NR., CONTRACT NR. AF 33(616)-8316, PROJ/TASK NR. 7085-01

ARL 62-434
SOUTHWEST RESEARCH INSTITUTE
STUDIES IN BIAXIAL CREEP SEPTEMBER 1962
BY STOWELL E Z; GREGORY R P — DDC NR., CONTRACT NR. AF 33(616)-7081, PROJ/TASK NR. 7063-02

ARL 62-435
GOETTINGEN, UNIVERSITY OF
THE PYROLYSIS AND OXIDATION OF HYDRAZINE IN SHOCK WAVES 28 FEBRUARY 1962
BY JOST, W — DDC NR., CONTRACT NR. AF 61(514)-1142, PROJ/TASK NR. 7013-01

ARL-62-436
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
GOUY DIFFRACTOMETRY IN THERMAL DIFFUSION, 15 MAY 1962
J CHEM PHYS 36, NO. 10, 2793-2802, MAY 1962, LECTURE, CHALMERS INST OF TECH, SWEDEN, OCT 1962, CHEM COLLOQUIUM, UNIV OF UPPSALA, SWEDEN, OCT 1962.
BY RIEHLFIN, J A — DDC NR., CONTRACT NR., PROJ/TASK NR. 7013-701302

ARL 62-437
OSLO UNIVERSITY OF
SOME PROPERTIES OF SINGULAR STURM-LIOUVILLE EQUATIONS WITH A COMPLEX PARAMETER
PHYSICA MATHEMATICA 1-29, APRIL 1962
BY MALVORSEN S; HYLLERAAS E(P.I.) — DDC NR., 286990, CONTRACT NR. AF 61(052)-136, PROJ/TASK NR. 7021-06

ARL 62-438
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
AN INTRODUCTION TO THE PROBELM OF PHOTOGRAPHING ARTIFICIAL SATELLITES 1962
OHIO J SCI VOL 62 NR 4, 191-202, JUL 62
BY GEBEL, R K H — DDC NR.
HAYSLETT, R R — CONTRACT NR.
WYLIE, L R — PROJ/TASK NR. 7072-70827

ARL 62-439
ILLINOIS, UNIVERSITY OF
EFFECTS OF ADSORBED FILMS OF CAMPHOR AND THYMOL ON KINETICS THE TITANIUM <A>-TITANIUM <B> ELECTRODE REACTION, SEPTEMBER 1962
BY LAITINEN, H A — DDC NR.
CONTRACT NR. AF 33<616>-5446
PROJ/TASK NR. 7022-01

ARL 62-440
UPPSALA UNIVERSITY
THE STRUCTURE OF FERMION DENSITY MATRICES 1 JUNE 1962
BY COLEMAN, A J — DDC NR. 286162
LOWDIN, P OCP.I> — CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL-62-441
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ELECTRO-MECHANICAL HYSTERESIS MEASUREMENTS A NEW TOOL FOR INVESTIGATION OF THE PROPERTIES OF PLASTICS, 1962.
J APPL POLYMER SCI VOL VI, ISSUE NO 22, P 404-421 <1962>
ALSO A RESEARCH REPORT FOR THE MANUFACTURING CHEMISTS ASSOCIATION, INC, <1960>
BY KERN, E L — DDC NR.
SKINNER, S M — CONTRACT NR.
PROJ/TASK NR. 7022

ARL 62-442
CALIFORNIA UNIVERSITY OF
THE INFLUENCE OF SHOCK WAVE BOUNDARY LAYER INTERACTION ON HEAT TRANSFER TO AN AXISYMMETRIC BODY OCTOBER 1962
BY HICKMAN R S — DDC NR.
CONTRACT NR. AF 33<616>-6161
PROJ/TASK NR. 7064-01

ARL-62-443
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE NEGATIVE BINOMINAL DISTRIBUTION AND THE INCOMPLETE BETA FUNCTION, APRIL 1962
AMER MATH MTHLY, 69, 302 <1962>
BY RIDER, P R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7071-01

ARL 62-444
UPPSALA UNIVERSITY
SOME RECENT PROGRESS IN THE QUANTUM THEORY OF MANY-ELECTRON SYSTEMS AUGUST 1962
BY LOWDIN, P O — DDC NR. 284816
CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL 62-445
TECHNOLOGY, UNIVERSITY OF
GAS-POLAROGRAPHY 3 SEPTEMBER 1962
BY GUTMANN, V — DDC NR. 285077
CONTRACT NR. AF 61<052>-487
PROJ/TASK NR. 7023-02

ARL-62-446
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
JOULE HEATING IN MAGNETOHYDRODYNAMIC FREE-CONVECTION FLOWS,
J AEROSPACE SCI 29, 746 <1962>
BY CRAMER, K R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7116-01

ARL-62-447
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SEVERAL MAGNETOHYDRODYNAMIC FREE-CONVECTION SOLUTIONS, AUGUST 1962
TRANS OF THE ASME, 62 HF 22 <1962>
BY CRAMER, K R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7116-01

ARL-62-448
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
MHD - PUMPS, PIECE POWER,
PRES SOUTHWESTERN OHIO SECT AMER NUCLEAR SOC BATTELLE MEM INST, COLUMBUS, OHIO <SEP 62>
BY CRAMER, K R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7116-01

ARL 62-449
HEBREW UNIVERSITY
REACTIONS BETWEEN SOLIDS III UNCATALYZED AND INHIBITED REACTION OF POTASSIUM PERCHLORATE WITH POLYDIVINYLBENZENE 1962
J APPL CHEM VOL 12, 217-225, MAY 1962
BY PATAI S — DDC NR.
ALBECK M — CONTRACT NR. AF 61<052>-575
CROSS H — PROJ/TASK NR. 7013-01

ARL 62-450
HEBREW UNIVERSITY
REACTIONS BETWEEN SOLIDS IV REACTION OF SODIUM PERCHLORATE, POTASSIUM BROMATE AND POTASSIUM IODATE WITH POLYDIVINYLBENZENE 1962
J APPL CHEM VOL 12, 225-229, MAY 1962
BY PATAI S — DDC NR.
CROSS H — CONTRACT NR. AF 61<052>-575
ALBECK M — PROJ/TASK NR. 7013-01

ARL 62-451
HEBREW UNIVERSITY
REACTIONS BETWEEN SOLIDS V, UNCATALYSED, CATALYSED AND INHIBITED REACTION OF POTASSIUM CHLORATE WITH POLYDIVINYLBENZENE 1962
J APPL CHEM VOL 12 230-234 MAY 1962
BY PATAI S — DDC NR.
ALBECK M — CONTRACT NR. AF 61<052>-575
CROSS H — PROJ/TASK NR. 7013-01

ARL 62-452
ISRAEL INSTITUTE OF TECHNOLOGY
MICROWAVE STUDIES OF ADSORBED MOLECULES JULY 1962
BY FOLMAN, M — DDC NR. 285844
CONTRACT NR. AF 61<052>-308
PROJ/TASK NR. 7022-01

ARL 62-453
CORNELL AERONAUTICAL LAB
HYPERSONIC SHOCK LAYER AT LOW REYNOLDS NUMBER-THE YAWED CYLINDER
BY CHENG H K — DDC NR.
CHANG AL — CONTRACT NR. AF 33<616>-7812

ARL 62-454
ISRAEL INSTITUTE OF TECHNOLOGY
THEORY FOR SUPERSONIC TWO-DIMENSIONAL LAMINAR BASE TYPE FLOWS USING THE CROCCO-LEES MIXING CONCEPTS MAY 1962
BY <RABINOWICZ> J ROM — DDC NR.
CONTRACT NR. AF 61<052>-576
PROJ/TASK NR. 7063-01

ARL 62-455
KINGS COLLEGE UNIVERSITY OF LONDON
GRAVITATIONAL RADIATION 10 MAY 1962
BY PIRANI F A E — DDC NR.
BONDI H<PI> — CONTRACT NR. AF 61<052>-457
PROJ/TASK NR. 7114-01

ARL 62-456
TECHNOLOGY, UNIVERSITY OF
ELECTROCHEMICAL INVESTIGATIONS IN PHENYLPHOSPHONIC DICHLORIDE 30 SEPTEMBER 1962
BY GUTMANN, V — DDC NR.
CONTRACT NR. AF 61<052>-487
PROJ/TASK NR. 7023-02

ARL 62-457
GEORGIA INSTITUTE OF TECHNOLOGY
VISCOUS COMPRESSIBLE FLUID FLOW UNDER THE INFLUENCE OF A RESONANT ACOUSTIC FIELD OCTOBER 1962
BY PURDY K R — DDC NR.
JACKSON T W — CONTRACT NR. AF 33<616>-8396
PROJ/TASK NR. 7063-01

ARL 62-458
OSLO UNIVERSITY OF
A THEORETICAL INVESTIGATION OF THE CLOSED STATE <2P> 23P OF THE NEGATIVE
PHYSICA MATHEMATICA INST RPT 013 JUNE 62
BY WOLD E — DDC NR.
HYLLERAAS E — CONTRACT NR. AF 61<052>-134
PROJ/TASK NR. 7023-04

ARL 62-459
UPPSALA UNIVERISTY
ON THE THEORETICAL FOUNDATION OF THE ONE-ELECTRON APPROXIMATION 1 SEPTEMBER 1962
BY HEDIN L T — DDC NR.
LOWDIN, P O<PI> — CONTRACT NR. AF 61<052>-351
PROJ/TASK NR. 7023-04

ARL 62-460
KIEL, UNIVERSITY OF
DEVELOPMENT OF METHOD FOR QUANTITATIVE SPECTROSCOPIC TEMPERATURE DETERMINATION OF PLASMAS 30 JUNE 1962
BY KUSCH, H J — DDC NR.
HOLTGREVEN, L<P.I.> — CONTRACT NR. AF EOARDC 61-29
PROJ/TASK NR. 7073-70712

ARL 62-461
TECHNOLOGY UNIVERSITY OF
AN ELECTROCHEMICAL DETERMINATION OF WATER AND OF ORGANIC MATERIALS CONTAINING ACTIVE HYDROGEN 10 OCTOBER 1962
BY GUTMANN V — DDC NR.
CONTRACT NR. AF 61<052>-487
PROJ/TASK NR. 7023-02

ARL 62-462
TECHNOLOGY UNIVERSITY OF
POLAROGRAPHIC INVESTIGATIONS IN DIMETHYLSULFOXIDE PAR 91 REDUCTION OF THE NITRATE ION 10 OCTOBER 1962
BY GUTMANN V — DDC NR.
CONTRACT NR. AF 61<052>-487
PROJ/TASK NR. 7023-02

ARL 62-463
WACLINE INC
OPERATION AND MAINTENABLE INSTRUCTIONS OFF AXIS DOUBLE PASS SCHLIEREN SYSTEM NOVEMBER 1962
BY GOLL M E — DDC NR.
LAPENAS T A — CONTRACT NR. AF 33<616>-8427
PROJ/TASK NR. 7065-01

ARL-62-465
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE PHOTO-OXIDATION OF DIACETYL IN SOLUTION, JULY 1962
J CHEM SOC P 2013-2015, JUL 1962
BY DUBOIS, J T — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-701303

ARL-62-466
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE LUMINESCENCE OF CYCLOPENTANONE, 1962
BY LAPAGLIA S R — DDC NR.
ROQUITTE, B C — CONTRACT NR.
PROJ/TASK NR. 7019-701303

ARL 62-467
POLYTECHNIC INSTITUTE OF BROOKLYN
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF SUPERSONIC COMBUSTION SEPTEMBER 1962
BY FERRI A — DDC NR.
LIBBY P A — CONTRACT NR. AF 33(616)-7661
ZAKKAY V — PROJ/TASK NR. 7064-01

ARL 62-468
BUFFALO, UNIVERSITY OF
ASYMPTOTIC BEHAVIOR OF FUNCTIONS OF A NORMAL RANDOM VARIABLE
BY SEVERO, N C — DDC NR.
MONTZINGO, L J — CONTRACT NR. AF 33(616)-7619
SCHILLO, P J — PROJ/TASK NR. 7071-01

ARL 62-469
UPPSALA UNIVERISTY
STUDIES ON THE ALTERNATE MOLECULAR ORBITAL METHOD AUGUST 1962
BY PAUNCZ, R — DDC NR.
LOWDIN, P O(P.I.) — CONTRACT NR. AF 61(052)-391
PROJ/TASK NR. 7029-04

ARL 62-470
UPPSALA UNIVERISTY
EIGENVALUES OF FERMION DENSITY MATRICES AUGUST 1962
BY SASAKI, F — DDC NR.
LOWDIN, P O(P.I.) — CONTRACT NR. AF 61(052)-391
PROJ/TASK NR. 7029-04

ARL 62-471
UNITED AIRCRAFT CORP
RESEARCH ON THE OSCILLATING-ELECTRON PLASMA SOURCE
BY DAVIS J W — DDC NR.
ANGELBECK A W — CONTRACT NR. AF 33(616)-7668
PINSLEY E — PROJ/TASK NR. 7116-09

ARL-62-472
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
SINGLET-TRIPLET TRANSITIONS IN THE TETRAPHENYLS. OCT 1962. SPECTROCHIMICA ACTA 18, 1299-1298 (1962)
BY LAPAGLIA, S R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7013-701309

ARL-62-473
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ON THE NEAR ULTRAVIOLET ABSORPTION BANDS OF NITRIC OXIDE SOLUTIONS. JUL 1962.
J CHEM PHYS 37, NO 2 PP 497-498 (JULY 1962
BY LAPAGLIA, S R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7013-701309

ARL-62-474
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
DETERMINATION OF ZINC SULFIDE AND CADMIUM SULFIDE IN SOLID SOLUTIONS OF SMALL SINGLE CRYSTALS USED FOR SEMICONDUCTORS BY X-RAY AND CHEMICAL METHODS. 1962
PRES 10TH ANNUAL CONFERENCE ON APPLICATION OF X-RAY ANALYSIS, 7 AUG 61, DENVER, COLO, PUBLISHED IN ADVANCES OF X-RAY ANALYSIS 5, 162 1962, DENVER RESEARCH INSTITUTE.
BY CHAR, F L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7029-70327

ARL-62-475
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
STUDY OF THE TITANIUM N-BENZOYL-N-PHENYL-HYDROXYLAMINE COMPLEX, APR 1962
ANAL CHEM 34, 525-529 (APRIL 1962)
BY MOSHIER, R W — DDC NR.
SCHWARBERG, J F — CONTRACT NR.
PROJ/TASK NR. 7029-702302

ARL-62-476
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
EFFECT OF CIS-TRANS ISOMERISM ON THE UREA INCLUSION COMPOUND FORMING ABILITY OF A MOLECULE A STUDY OF THE MALEATE - FUMARATE SYSTEM, 1961.
J ORG CHEM 26, 2960 (1961)
BY CORNELLY, J W — DDC NR.
RADELL, J — CONTRACT NR.
COSGROVE, JR, W R — PROJ/TASK NR. 7013-70399

ARL-62-477
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
NATURAL CONVECTION NEAR AND ABOVE THERMAL LEADING EDGES ON VERTICAL WALLS.
INTERN J OF HEAT AND MASS TRANSFER VOL 5 PPS 1001-1010 (1962)
BY SCHERNERG, M G — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7116-09

ARL 62-478
OLSO UNIVERSITY OF
ON THE BETHE-HEITLER FORMULA FOR BREMSSTRAHLUNG 1962
BY HYLLERAAS E A — DDC NR.
CONTRACT NR. AF 61(052)-134
PROJ/TASK NR. 7029-04

ARL 62-479
DAYTON, UNIVERSITY OF
EINSTEIN-S CONNECTIONS DEGENERATE CASES OF THE FIRST CLASS NOVEMBER 1961
BY RAMA, J L — DDC NR.
CONTRACT NR. AF 33(657)-7228
PROJ/TASK NR. 7116-01

ARL 62-480
UPPSALA UNIVERSITY
THE ENERGY BAND STRUCTURE OF POLYNUCLEOTIDES IN THE HUECKEL APPROXIMATION MAY 15, 1962
BY LADIK, J — DDC NR.
APPEL, K — CONTRACT NR. AF 61(052)-391
LOWDIN, P O(P.I.) — PROJ/TASK NR. 7029-04

ARL TN 2
SYSTEMS RESEARCH LABORATORIES
RESEARCH ON THE MACH 14 20-INCH HYPERSONIC WIND TUNNEL AND THE 3-INCH HYPERSONIC WIND TUNNEL AUGUST 1961
BY PACE RICHARD — DDC NR.
WRIGHT J — CONTRACT NR. AF 33(616)-7987
MURRAY DEPT — PROJ/TASK NR. 7065-01

ARL 6001
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
ELL AUGER TRANSITION PROBABILITIES
BULL AM PHYS SOC 6, 366 (JUN 61)
BY CALLAN, P J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL 6002
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
CALCULATION OF AUGER TRANSITION RATES
PRES AT WINTER INSTITUTE OF QUANTUM CHEMISTRY AND SOLID STATE PHYSICS, UNIV OF FLORIDA, GAINESVILLE, FLA (DEC 61)
BY CALLAN, P J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL 6003
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
K-LEVEL WIDTHS FOR ATOMS OF 16 Z 83
BULL AMER PHYS SOC 7 SER II, 416 (JUN 62)
BY CALLAN, P J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL 6004
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
AUGER TRANSITION RATES AND ATOMIC LEVEL WIDTHS
PRES AT ARMY RESEARCH OFFICE, DURHAM, N C (JUL 62)
BY CALLAN, P J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL 6005
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
SENSITIVITY OF L1L2,3M4,5, COSTER KRONIG TRANSITION RATES TO VARIATIONS IN ENERGY LEVELS AND SCREENING PARAMETERS
PRES AT INTERNATIONAL SYMPOSIUM IN HONOR OF PROF EGIL A HYLLERAAS, SANIBEL IS, FLA (JAN 63)
BY CALLAN, P J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL-C001
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
FREE RADICAL AS FUELS.
PRES NINTH TRIPARTITE CONFERENCE ON ARMAMITION, EXPLOSIVES AND PROPELLANTS, QUEBEC, 1959
BY BIERLEIN, J A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7013-70950

ARL-C002
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
GOUY INTERFEROMETRY IN THERMAL DIFFUSION.
PRES ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH, NEW YORK 1960
BY BIERLEIN, J A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7013-70960

ARL-C003
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THERMAL DIFFUSION IN LIQUIDS.
PRES UNIVERSITY OF CAMBRIDGE, COLLOQUIUM IN PHYSICAL CHEMISTRY, ENGLAND, NOVEMBER 1962
BY BIERLEIN, J A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7013-701302

ARL-C004
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
OPTICAL TECHNIQUES IN MEASURING SORET COEFFICIENTS.
PHYSICAL CHEMISTRY COLLOQUIUM, UNIVERSITY OF SHEFFIELD, ENGLAND, NOVEMBER 1962.
BY BIERLEIN, J A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7013-701302

ARL-C005
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
SOME MODIFICATIONS OF THE X-RAY INSTRUMENTS AND THEIR UTILIZATION TO THE STUDY OF ANALYTICAL PROBLEMS.
NORELCO REPORTER
BY CHAR, F L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7029-702302

ARL-C006
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A STUDY AND STABILIZATION OF ALKYL PERCHLORATES.
PRES 140TH MTG AMERICAN CHEM SOC, 8 SEPT 61
BY CORNELLY, J W — DDC NR.
RADELL, J — CONTRACT NR.
RAYMOND, A — PROJ/TASK NR. 7013-70399

ARL-C007
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
UREA INCLUSION COMPOUNDS OF FLUORINATED ALCOHOLS, ACID AND ESTERS.
PRES INTERNATION SYMPOSIUM ON FLUORINE CHEMISTRY, 16-17 JULY 1959, BIRMINGHAM, ENGLAND.
BY CORNELLY, J W — DDC NR.
RADELL, J — CONTRACT NR.
PROJ/TASK NR. 7013-70399

ARL-C008
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
RELATIVE STABILITY OF UREA COMPLEXES BY X-RAY POWDER DIFFRACTION DATA.
PRES 9TH ARD CONF - APPLICATIONS OF X-RAY ANALYSIS IN DENVER, COLORADO, 10-12 AUG 60.
BY CHRISTY, J W — DOC NR.
RADELL, J — CONTRACT NR.
PROJ/TASK NR. 7019-70999

ARL-C009
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
UREA COMPLEXES OF PARTIALLY FLUORINATED ESTERS.
J ORG CHEM 25, 1207 (1960)
BY CHRISTY, J W — DOC NR.
RADEL, J — CONTRACT NR.
PROJ/TASK NR. 7019-70999

ARL-C010
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE MOLECULAR STRUCTURE OF LIQUIDS.
J AM INST CH E 5, 212-222 (1959)
BY DAHLER, J S — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-70952

ARL-C011
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
TRANSPORT PHENOMENA IN A FLUID COMPOSED OF DIATOMIC MOLECULES.
J CHEM PHYS 30, 1647 (1959)
BY DAHLER, J S — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-70952

ARL-C012
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THEORIES OF GAS TRANSPORT PHENOMENA.
THERMODYNAMIC AND TRANSPORT PROPERTIES OF GASES, LIQUIDS AND SOLIDS. A PUBLICATION OF THE AM SOC OF MECH ENGRS (1959)
BY DAHLER, J S — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-70952

ARL-C013
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
IMPROVED FREE VOLUME THEORY OF LIQUIDS II.
J CHEM PHYS 32, 330 (1960)
BY DAHLER, J S — DOC NR.
HIRSCHFELDER, J O — CONTRACT NR.
PROJ/TASK NR. 7079-70952

ARL-C014
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE SENSITIZED FLUORESCENCE OF B-NAPHTHYLAMINE. A STUDY IN TRANSFER OF ELECTRONIC ENERGY.
J PHYS CHEM 63, 8, (1959), ALSO IN PHOTOCHEMISTRY IN THE LIQUID AND SOLID STATES, CHAP IV, P 62, JOHN WILEY & SONS (1960)
BY DUBOIS, J T — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-70946

ARL-C015
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PRIMARY PROCESSES IN THE GASEOUS PHOTOLYSIS OF POLYATOMIC MOLECULES. I. DIACETYL.
J CHEM PHYS 33, 779-791 (1960)
BY DUBOIS, J T — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-70946

ARL-C016
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE SELECTIVE SENSITIZATION OF BIACETYL TRIPLET STATE IN THE VAPOR PHASE.
J AM CHEM SOC 84, 4661 (1962)
BY DUBOIS, J T — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-701309

ARL-C017
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PROCESSUS INTRAMOLECULAIRES.
PRES LAVAL UNIV, 4 JUL 61
BY DUBOIS, J T — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-70946

ARL-C018
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ENERGY TRANSFER IN GASES AND LIQUIDS.
PRES TO THE JOURNAL CLUB OF THE NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA, 14 MAR 62.
BY DUBOIS, J T — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-701309

ARL-C019
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
MOLECULAR ENERGY EXCHANGE PROCESSES.
PRES ARDC SCIENCE SYMPOSIUM, SEP 1959
BY DUBOIS, J T — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7019-70946

ARL-C020
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A MATHEMATICAL APPROACH TO THE RADIATION CHEMISTRY OF PARAFFIN HYDROCARBONS.
PRES GORDON RESEARCH CONFERENCE ON RADIATION CHEMISTRY, 1959
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C021
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
NEW CONCEPTS IN RADIATION CHEMISTRY, A COMPARISON OF CALCULATED AND EXPERIMENTAL YIELDS FOR N-PENTANE
RADIOLYSIS.
PRES 7TH ARDC SCIENCE AND ENGINEERING SYMPOSIUM, BOSTON, MASS., 29-30 NOV 60
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C022
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
IMPORTANCE OF ION-MOLECULE REACTIONS IN RADIATION CHEMISTRY.
PRES SEMINAR UNIVERSITY OF CALIFORNIA (1960)
COLLOQUIUM AT PRINCETON UNIVERSITY (NOV 60)
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C023
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
EFFECTS OF IONIZING RADIATION ON ORGANIC MATERIALS.
SAE MEETING, DETROIT, MICHIGAN (JAN 61)
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C024
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
DIRECT RADIOLYSIS AND THE SENSITIZATION AND INHIBITION OF CYCLOPROPANE DECOMPOSITION BY IONIZING RADIATION.
PRES MILLER INTERNATIONAL CONFERENCE ON RADIATION CHEMISTRY, WALES, APRIL 1961
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C025
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
HIGH ENERGY ELECTRON IRRADIATION OF N-HEXANE.
J AM CHEM SOC 81, 5021 (1959)
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C026
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE RADIATION CHEMISTRY OF THE SYMMETRICAL DICHLOROETHYLETHERS.
J AM CHEM SOC 82, 2678 (1960), ALSO, PRES NTG AMER CHEM SOC, BOSTON MASS, 1959.
BY PUTNELL, J W — DOC NR.
MUTOH, A S — CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C027
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
USE OF MASS SPECTRAL DATA IN RADIATION CHEMISTRY, JUL 1961.
J CHEM PHYS 35, 393 (1961), ALSO, PRES GORDON CONF ON RADIATION CHEM, NEW HAMPTON, N. H. JUL 1961.
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70947

ARL-C028
AERONAUTICAL RESEARCH LABORATORIES(INPHOUSE)
FLASH PHOTOLYSIS OF ACETONE, JUL 1962.
J CHEM PHYS 37, 378 (1962)
BY PUTNELL, J W — DOC NR.
ROGULITZ, R C — CONTRACT NR.
PROJ/TASK NR. 7021-702301

ARL-C029
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
RARE GAS SENSITIZED RADIOLYSIS OF PROPANE.
J CHEM PHYS 37, 1694 (1962) ALSO PRES NATL MTG AM CHEM SOC, SEP 1962
BY PUTNELL, J W — DOC NR.
TIERNAN, T O — CONTRACT NR.
PROJ/TASK NR. 7021-702301

ARL-C030
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
RADIATION CHEMISTRY OF PROPANE.
BRITISH CHEMICAL ENGINEERING NEWS (DIGEST)
BY PUTNELL, J W — DOC NR.
TIERNAN, T O — CONTRACT NR.
PROJ/TASK NR. 7021-702301

ARL-C031
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
SENSITIZATION OF HYDROCARBON RADIOLYSIS BY DISSOCIATIVE CHARGE EXCHANGE.
PRES CHALK RIVER CONFERENCE ON RADIATION CHEMISTRY OF HYDROCARBONS, AEC (CANADA) LTD., APRIL 1962
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-702301

ARL-C032
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PRIMARY PROCESSES IN GAS PHASE RADIOLYSIS.
PRES SYMPOSIUM ON RADIATION CHEMISTRY, AM INST CHEM ENGINEERS 67TH NATIONAL MEETING, BALTIMORE, MAY 1962
BY PUTNELL, J W — DOC NR.
TIERNAN, T O — CONTRACT NR.
PROJ/TASK NR. 7021-702301

ARL-C033
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PRIMARY PROCESSES IN GAS PHASE RADIOLYSIS.
PRES SEMINAR UNIV NOTRE DAME (MAY 1962)
BY PUTNELL, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-702301

ARL-C034
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
MIGRATION OF COPPER THROUGH HIGH PURITY POLY<
METHYLMETHACRYLATE.
J APPL POLY SCI 2. 253 <1959>
BY KERN. E L — DDC NR.
EIERMAN. G — CONTRACT NR.
BOBALEK. H G — PROJ/TASK NR. 7022-70337
SKINNER. S M

ARL-C035
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
COMPLETE FRICTIONAL STICK-SLIP RELAXATION CYCLE AND
CONDITIONS FOR ONSET OF MAJOR WEAR.
BULL AM PHYS SOC II. 4. 327 <1959>
BY KERN. E L — DDC NR.
SKINNER. S M — CONTRACT NR.
PROJ/TASK NR. 7022-70337

ARL-C036
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE EFFECT OF COPOLYMER CONSTITUENTS ON THE KINETICS OF
REPETITIVE CONTACT CHARGING OF PLASTICS.
BULL AM PHYS SOC II. 4. 327 <1959>
BY KERN. E L — DDC NR.
SKINNER. S M — CONTRACT NR.
PROJ/TASK NR. 7022-70337

ARL-C037
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
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ARL-M020
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
REFLECTION TYPE OF TRAJECTORIES FOR RAPID TRANSFER
IN INTERPLANETARY SPACE TRAVEL, <1962>
BY TRAEMELE, C A DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7071

ARL-M021
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
BASIC REFLECTION TRAJECTORIES FOR INTERPLANETARY SPACE
TRAVEL, <1962>
BY TRAEMELE, C A DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7071

ARL-M022
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
AMPLIFIED SYSTEM OF REFLECTION TRAJECTORIES FOR
INTERPLANETARY SPACE TRAVEL, <1962>
BY TRAEMELE, C A DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7071

ARL-M001
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON THE STATE-OF-THE-ART OF PLASMAJET TECHNOLOGY,
PRES AT THERMODYNAMICS COLLOQUIUM, GODESBERG, GERMANY
<APR 1962> PRES AT TECHNISCHE HOCHSCHULE, AACHEN, GERMANY
<APR 1962> PRES AT TECHNISCHE UNIVERSITY, MUNICH,
GERMANY <APR 1962>
BY SOEHNGEN, E E DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-01

ARL-M002
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PLASMAJET PROPULSION,
PRES AT TECHNISCHE HOCHSCHULE, STUTTGART, GERMANY
<APR 1962>
BY SOEHNGEN, E E DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-01

ARL-M003
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
GAS HEATING BY ELECTRIC DISCHARGES AND PROBLEMS OF
MAGNETIC ARC MOTION,
PRES AT SEMINAR AT TECHNISCHE HOCHSCHULE, BRAUNSCHWEIG,
GERMANY <APR 1962>
BY SOEHNGEN, E E DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-01

ARL-M004
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PHYSICAL PHENOMENA IN ARC TECHNOLOGY,
PRES AT 1962 NATIONAL METAL CONGRESS, NEW YORK
<NOV 1962>
BY SOEHNGEN, E E DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7079-01

ARL-0005
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
SURVEY ON UNSTEADY STATE HEAT TRANSFER,
ASME COM ON AIRC HEAT TRANSFER, MECHANICAL ENGR (1960)
BY SOEHNGEN, E E
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7073-01

ARL-0006
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
HEAT TRANSFER IN HORIZONTAL PIPES WITH SIMULTANEOUS
FREE AND FORCED CONVECTION,
CHEMP-ENGINEFUR-TECHNIK, 33, 936 (1961)
BY SOEHNGEN, E E
JACKSON, T W
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7073-01

ARL-0007
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ON THE EFFECTS OF FLOW OBSTRUCTIONS ON FREE CONVECTION
BOUNDARY LAYER OSCILLATIONS,
J AERO SPACE SCI 27, 663 (1960)
BY SOEHNGEN, E E
HOLMAN, J P
STOUT, R E
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7064-70138

ARL-0008
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
AN INTERFEROMETRIC METHOD OF STUDYING BOUNDARY LAYER
OSCILLATIONS,
J HEAT TRANSFER, 860 (1960)
BY SOEHNGEN, E E
GARTRELL, W F
HOLMAN, J P
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7064-70138

ARL-0009
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
SURVEY ON UNSTEADY STATE HEAT TRANSFER,
ASME COMM REPORT J HEAT TRANSFER 82, C (1960)
BY SOEHNGEN, E E
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7064-70138

ARL-0010
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A GENERALIZED POROUS-WALL COUETTE-TYPE FLOW,
J AERO SCI 26, 121-122 (1959)
BY CRAMER, K R
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-01

ARL-0011
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
PROBLEMS IN MAGNETOHYDRODYNAMICS,
ARL-MAST SEMINAR, DEC 1962
BY CRAMER, K R
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-01

ARL-0012
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
SEVERAL MAGNETO-HYDRODYNAMIC FREE CONVECTION SOLUTIONS,
PRES ASME-AICHE HEAT TRANSFER CONF, HOUSTON, TEXAS
(AIC 1962)
BY CRAMER, K R
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-01

ARL-0013
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
HEAT TRANSFER BY THERMAL RADIATION
LECTURE SERIES TO AFIT MECHANICAL ENGR DEPT 1962
BY CRAMER, K R
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-01

ARL-0014
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
INVESTIGATION ON THE BEHAVIOR OF MAGNETICALLY DRIVEN
ELECTRIC ARCS,
M S THESIS, OHIO STATE UNIV DEPT OF ENGR (MAR 1962)
BY ROMAN, W C
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-01

ARL-0015
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
INVESTIGATION OF MAGNETICALLY DRIVEN ARCS,
PRES TO MECH ENGR DEPT OHIO STATE UNIV (MAY 1962)
BY ROMAN, W C
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-01

ARL-0016
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ESTIC SPACE VEHICLE PROPULSION SYSTEMS,
PRES SIGMA GAMMA TA NAT-L HONORARY AERO ENGR SOC, OSU
(MAY 1962)
BY VON OHAIN, H J P
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-70192

ARL-0017
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A NEW CONCEPT FOR PROPULSION APPLICATIONS,
PRES TO PERSONNEL M-PAPS, NASA, AFC AND CJAR 1962)
BY VON OHAIN, H J P
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-70192

ARL-0018
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
ARL PROPULSION RESEARCH
PREP TO SYMP ON GASEOUS FISSION REACTORS AT JET
PROPULSION LAB, CAL TECH (APR 62)
BY VON OHAIN, H J P
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-70192

ARL-0019
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
A PRELIMINARY STUDY OF THE USE OF INDUCTION HEATING TO
SIMULATE AERODYNAMIC HEATING,
MASTER-S TRANSFER-ASME COMM REPORT J HEAT TRANSFER
82, C (1960)
BY DYE, D F
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-70526

ARL-0020
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE EFFECTS OF CONSTANT PRESSURE SOUND FIELDS ON FREE
CONVECTION HEAT TRANSFER FROM A HORIZONTAL CYLINDER,
J AERO SPACE SCI 26, 188 (1959)
BY HOLMAN, J P
WOTT-SMITH, T P
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7064-70138

ARL-0021
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
TENSILE AND FATIGUE PROPERTIES OF LAMINATE SHEET
STRUCTURE,
AM SOC OF TEST MAT 59, 755 (1959)
BY RAIBO, B R
FORBES, F W
LIPSITT, H A
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-70526

ARL-0022
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
CRACK PROPAGATION IN COLD ROLLED ALUMINUM SHEET,
AM SOC TEST MAT 59, 756 (1959)
BY LIPSITT, H A
BAIBO, B R
FORBES, F W
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-70526

ARL-0023
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
THE WRIGHT AIR DEVELOPMENT CENTER ELEVATED TEMPERATURES
TEST FACILITY,
EXPERIMENT STRESS ANALYSIS SOC 17, 37 (1959)
BY RAIBO, B R
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-70526

ARL-0024
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
RESEARCH IN ELECTRONIC COMPENSATION METHODS FOR
ACCELEROMETER OF INERTIAL NAVIGATION SYSTEMS,
NAT AERO ELECTRONICS CONF INST OF RADIO ENGRS,
DAYTON, OHIO (1960)
BY DAVIES, C A
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7063-70532

ARL-0025
AERONAUTICAL RESEARCH LABORATORIES(IN-HOUSE)
INVESTIGATION OF A SHEAR FORCE PUMP,
PRES WINTER ANNUAL MTG OF ASME, NEW YORK CITY (NOV 1962)
BY HASIGGER, S H
REHBT, L G
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7116-02

ARL P001
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
LEVELS OF P29 FROM S128 <P,P0>S28
PHYS REV 116, 150 (1959)
BY OLNESS, J W
VORONA, J
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7112-70716

ARL P003
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
[illegible]SONANCES IN S128(P,Y)P29 FOR 0.1 EP 2.0 MEV
BULL AM PHYS SOC SER II, 9, 96 (1960)
BY OLNESS, J W
PARKER, J L
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7112-70716

ARL P006
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
LEVELS OF S[illegible] AND SF 28 FROM <N,Y> MEASUREMENTS
BULL AM PHYS SOC 7 319 (1962) ALSO APS MTG, WASH, D C (APR
1962)
BY OLNESS, J W
FIEDIGER, R F
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7112-70716

ARL P005
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
PARTICLES FROM THE 10.11 MEV STATE IN C12
BULL AMER PHYS SOC 6, NO 5, 227 (1961)
BY SEGEL, R E
RINA, W J
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7112-70716

ARL P004
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
POLARIZATION IN PROTON-DEUTERON SCATTERING
CONF ON NUCLEAR FORCES AND THE PAR NUCLEON PROBLEM, LONDON
ENGLAND (1959)
BY SEGEL, R E
SHAPORTH, S M
CHALMERS, R
STRAIT, E W
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7112-70716

ARL P001
AERONAUTICAL RESEARCH LABORATORIES (IN-HOUSE)
GAMMA RAYS FROM MEDIUM ENERGY PROTON BOMBARDMENT OF CARBON
BULL AM PHYS SOC SER II, 4, 466, 1959
BY SEGEL, R E
CLEGG, A B
SALMON, G L
PALEY, E J
DOC NR,
CONTRACT NR,
PROJ/TASE NR, 7112-70716

ARL P008
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ANGULAR CORRELATION IN PROTON INELASTIC SCATTERING FROM CARBON AT 150-MEV
BULL AM PHYS SOC SER II, 4, 444, 1959
BY SEGEL, R E — DDC NR,
CLEGG, A B — CONTRACT NR,
FOLEY, K J — PROJ/TASK NR, 7112-70716
SALMON, G L

ARL P009
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
COINCIDENCE STUDIES OF IRON CAPTURE GAMMA RAYS
BULL AM PHYS SOC SER II, 5, 240 1960
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P010
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SELECTION RULES IN THE LIGHT NUCLEI
PRES AT CASE INSTITUTE OF TECH, CLEVELAND <1961>
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P011
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PARITY CONSERVATION IN NUCLEAR REACTIONS
PRES AT FLORIDA STATE UNIVERISTY, 1961
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P012
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
OBSERVATIONS ON THE REACTION LI7 <P, > HE4 USING POLARIZED PROTONS
INTERN SYMPOSIUM ON POLARIZATION PHENOMENA OF NUCLEONS, BASEL, SWITZERLAND, 1960
BY SEGEL, R, E, — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P013
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
NUCLEAR ENERGY LEVELS IN C12
PRES AT OHIO STATE UNIV, COLUMBUS, OHIO, 1966
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P014
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
GAMMA RADIATION FROM THE MEDIUM ENERGY PROTON BOMBARDMENT OF LITHIUM, BERYLLIUM, BORON, CARBON AND NITROGEN
PROC PHYS SOC PUB BY CLARENDON LAB - UNIV OF OXFORD <1961>
BY SEGEL, R E — DDC NR,
CLEGG, A B — CONTRACT NR,
FOLEY, K J — PROJ/TASK NR, 7112-70716
SALMON, G L

ARL P015
AERONAUTICAL RESEARCH LABORATORIES,IN-HOUSE>
THERMAL NEUTRON CAPTURE GAMMA RAYS IN FE57
PHYS REV 125, 6, 2031 <1962>
BY SEGEL, R E — DDC NR,
FIEBIGER, N F — CONTRACT NR,
KANE, W R — PROJ/TASK NR, 7112-70716

ARL P016
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PROTON POLARIZATION IN P-D SCATTERING
PHYS REV 118, 1054-1059 <1960>
BY SEGEL, R E — DDC NR,
SHAFROTH, S M — CONTRACT NR,
CHALMERS, R A — PROJ/TASK NR, 7112-70716
STRAIT, E M

ARL P017
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
NEUTRON CAPTURE GAMMA RAYS IN C136
PHYS REV 113, 844 <1959>
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P018
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SEARCH FOR 020
J INORGANIC AND NUCLEAR CHEM 10, 4 <1959>
BY SEGEL, R E — DDC NR,
AMIEL, S — CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P019
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DECAY OF CO56 AND MN 56
PHYS REV 114, 1554, <1959>
BY SEGEL, R E — DDC NR,
KIENLE, P — CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P020
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
RELATIVE PULSE HEIGHT OF PROTONS AND ELECTRONS IN K1 <TI>
PHYS REV 113, 909 <1959>
BY SEGEL, R E — DDC NR,
KIENLE, P — CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P021
AERONATUICAL RESEARCH LABORATORIES <IN-HOUSE>
PROTON POLARIZATION IN LIGHT NUCLEI REACTIONS
PRES AT ARGONNE NATIONAL LAB, 1960
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P022
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
BETA-DECAY OF FE56
CONF ON NUCLEAR PHYS, THE PHYSICAL SOC, OXFORD UNIVERSITY, APR 1959
BY SEGEL, R E — DDC NR,
KIENLE, P — CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P023
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
POLARIZATION OF PROTONS ELASTICALLY SCATTERED IN DEUTERIUM
BULL AM PHYS SOC SER II, 4, 64,
JAN 1959
BY SEGEL, R E — DDC NR,
SHAFROTH, S M — CONTRACT NR,
CHALMERS, R, — PROJ/TASK NR, 7112-70716
STRAIT, E, W,

ARL P024
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SOME NUCLEAR SELECTIONS RULE
PRES ARMOUR RSCH FOUNDATION, 1961
BY SEGEL, R E — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P026
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ELASTIC PROTON-DEUTERON SCATTERING AT 450-MEV
PHYS REV 114, 1961 <1961>
BY PONDROM, L G — DDC NR,
CREWE, A V — CONTRACT NR,
LEDLEY, B — PROJ/TASK NR, 7112-70716
LILLENTHUM, E
MARCOWITZ, S

ARL P027
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
POSITIVE PION PRODUCTION IN P-P COLLISIONS AT 450 MEV
PHYS REV 114, 1963 <1959>
BY PONDROM, L G — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P028
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PROPOSAL FOR A METHOD OF POLARIZING 1-MEV DEUTERONS
PHYS REV LTRS 2, 346 <1959>
BY PONDROM, L G — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P029
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
HE3 <D,P> HE4 AT 500 KEV WITH DEUTERONS TENSOR POLARIZED BY THE 1.07 MEV-D RESONANCE
PHYS REV LETRS <1960>
BY DAUGHTRY, J W — DDC NR,
PONDROM, L G — CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P030
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DETECTION OF 900 KEV VECTOR POLARIZED DEUTERONS WITH THE REACTION LI6 <D, > HE4
PROC OF INTERN SYM ON POLARIZED PHENOMENA OF NUCLEONS, BASEL, SWITZERLAND <1960>
BY DAUGHTRY, J W — DDC NR,
PONDROM, L G — CONTRACT NR,
PROJ/TASK NR, 7112-70716

ARL P031
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
GAUGE INVARIANCE AND SPECIAL REPRESENTATIVES IN QUANTUM ELECTRODYNAMICS
PHD THESIS, OHIO STATE UNIV <1961>
BY SHANKLAND, D — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70719

ARL P032
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE P-WAVE STRENGTH FUNCTION
PRES TO OHIO SEC OF AM PHYS SOC PROGRAM, COLUMBUS, OHIO <1960>
BY KRUEGER, T K — DDC NR,
MARGOLIS, B — CONTRACT NR,
PROJ/TASK NR, 7112-02

ARL P033
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
VIBRATIONAL DISTRIBUTION FUNCTIONS FOR CUBIC LATTICES
PRES AT AM PHYS SOC MTG, NEW YORK CITY, N Y <1962>
BULL AM PHYS SOC 7, 452 <1962>
BY SHANKLAND, D G — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70719

ARL P034
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
VIBRATIONAL DISTRIBUTION FUNCTIONS FOR CADMIUM SULFIDE
APS MTG SEATTLE, WASH <AUG 1962> BULL AM PHYS SOC 7, 452 <1962>
BY SHANKLAND, D G — DDC NR,
CONTRACT NR,
PROJ/TASK NR, 7112-70719

ARL P035
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE SUPERFLUIDITY OF NUCLEAR MATTER
PHYS REV LETRS 3, 381 <1959>
BY SHANKLAND, D G — DDC NR,
MILLS, R L — CONTRACT NR,
SESSLER, M — PROJ/TASK NR, 7112-70719
MOSYKOWSKI, S A

ARL P036
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
COINCIDENCE STUDIES OF THE THERMAL NEUTRON CAPTURE GAMMA RAYS OF CHROMIUM
PHYS REV 125, 6, 2037 <1962>
BY FIEBIGER, N P — DDC NR.
KANE, W R — CONTRACT NR.
FOX, J D — PROJ/TASK NR. 7112-70716

ARL P037
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
NEUTRON CAPTURE GAMMA RAYS FROM SC45
PRES APS MTG WASH, D C, ALSO BULL AM PHYS SOC 7, 302 <1962>
BY FIEBIGER, N F — DDC NR.
RASMUSSEN, N C — CONTRACT NR.
NEILL, J M — PROJ/TASK NR. 7112-70716
W.HMAN, T

ARL P039
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
DYNAMICAL VARIABLES AND SURFACE INTEGRALS,
CHAP RECENT DEVELOPMENTS IN GENERAL RELATIVITY <PWN, WARSAW & PERGAMON PRESS, N Y, 1962>
BY GOLDBERG J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P040
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE EQUATIONS OF MOTION,
CHAPTER IN GRAVITATION PUBLISHED BY JOHN WILEY AND EDITED BY DR LOUIS WITTEN<PRIAS><1960> <1962>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P041
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE MEASUREMENT OF DISTANCE IN GENERAL RELATIVITY,
PHYS REV 116, 1391 <1959>
BY GOLDBERG J N — DDC NR.
NEWMAN, E — CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P042
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
LORENTZ-INVARIANT EQUATIONS OF MOTION OF POINT MASSES IN THE GENERAL THEORY OF RELATIVITY,
PHYS REV 128, 398 <1962>
BY GOLDBERG J N — DDC NR.
HAVAS, P — CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P044
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
EQUATIONS OF MOTION IN GENERAL RELATIVITY,
PRES HAMBURG UNIV, HAMBURG, GERMANY <JAN 1961>
BY GOLDBERG, J N — DDC NR.
SERIES OF LECTURES PRES AT KINGS COLLEGE, UNIV OF LONDON, QUEENSLAND <SPRING QUARTER 61>
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P046
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
NULL CONGRUENCES AND GRAVITATIONAL FIELDS,
PRES AT INST FOR THEORETICAL PHYS, WARSAW, POLAND <MAY 1961>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P047
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ASYMPTOTICALLY INVARIANT SURFACE INTEGRALS,
PRES AT HAMBURG UNIV, HAMBURG, GERMANY <JUL 1961>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P048
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
RECENT DEVELOPMENTS IN GRAVITATIONAL RADIATION THEORY,
PRES AT UNIV OF STOCKHOLM, STOCKHOLM, SWEDEN <AUG 1961>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P049
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
A THEOREM CONCERNING THE PETROV CLASSIFICATION IN VACUUM RIEMANNIAN SPACE
PRES AT FREE UNIV BRUSSELS, BELGIUM <SEP 1961>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P050
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ASYMPTOTIC INVARIANTS,
SEMINAR LECTURE, PRES AT KINGS COLLEGE, LONDON, ENGLAND <NOV 1961>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P051
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SUBSIDIARY CONDITIONS AND OBSERVABLES,
BULL AM PHYS SOC SER II, 5, 284, 1960
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P052
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
EQUATION OF MOTION AND THE DYNAMICAL VARIABLES OF GENERAL RELATIVITY,
BULL AM PHYS SOC SER II, 4, 16, 1959
BY GOLDBERG J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P053
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE MEASUREMENT OF DISTANCE IN GENERAL RELATIVITY,
CONF ON GENERAL RELATIVITY, BRUSSELS, BELGIUM, JUNE 1959
BY GOLDBERG J N — DDC NR.
NEWMAN, E — CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P054
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SUBSIDIARY CONDITIONS AND OBSERVABLES,
PRES AT THE AM PHYS SOC MTG, WASH, D C, 1960
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P055
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
NULL CONGRUENCES AND GRAVITATIONAL RADIATION,
PRES 9TH AF SCIENCE & ENGINEERING SYMPOSIUM, BROOKS AFB, TEXAS <AUG 62>
BY GOLDBERG, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P060
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE LORENTZ-COVARIANT APPROXIMATION METHOD IN GENERAL RELATIVITY-I,
NUOVO CIM X 13, 469 <1959>
BY KERR, R P — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P061
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE LORENTZ-COVARIANT APPROXIMATION METHOD IN GENERAL RELATIVITY II- SECOND APPROXIMA-TION,
NUOVO CIM X 13, 673 <1959>
BY KERR, R P — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P062
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE LORENTZ-COVARIANT APPROXIMATION METHOD IN GENERAL RELATIVITY-III - THE EINSTEIN-MAXWELL FIELD,
NUOVO CIM X 13, 673 <1959>
BY KERR, R P — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P063
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON THE QUASI-STATIC APPROXIMATION IN GENERAL RELATIVITY,
NUOVO CIM X 16, 26 <1960>
BY KERR, R P — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70709

ARL P064
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ANALYTIC CALCULATION OF A BODY-CENTERED CUBIC LATTICE DISTRIBUTION FUNCTION,
PRES AT AM PHYS SOC MTG, NEW YORK CITY, N Y <1962>
BULL AM PHYS SOC 7, 17 <1962>
BY KERR R P — DDC NR.
SHANKLAND D G — CONTRACT NR.
PROJ/TASK NR. 7114-01

ARL P065
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
LORENTZ INVARIANCE AND THE QUANTUM YANG-MILLS FIELD,
PRES APS MTG, WASH, D C, BULL AM PHYS SOC 7, 298 <1962>
BY KERR R P — DDC NR.
FICKLER, S I — CONTRACT NR.
PROJ/TASK NR. 7114-01

ARL P070
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
COSMIC-RAY EXPOSURE AGES OF IRON METEORITES,
PRES BY INVITATION AT OHIO STATE UNIV <MAY 1961>
BY SPRENKEL, F L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-70716

ARL P071
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
COSMIC-RAY PRODUCED CL36 AND AR 39 IN IRON METEORITES,
BULL AM PHYS SOC SER II, J, 223 <1959>
BY SPRENKEL, F L — DDC NR.
PROJ/TASK NR. 7112-70716

ARL P073
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
SOLUTION OF THE FIELD EQUATIONS OF GENERAL RELATIVITY,
WADC SCIENCE SYMPOSIUM <1959>
BY SCHELL, J F — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70710

ARL P074
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
CLASSIFICATION OF EINSTEIN SPACES,
BULL AM PHYS SOC SER II, 284, 1960
BY SCHELL, J F — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-70710

ARL P076
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PROPERTIES OF THE TWO STATES OF CA 40 NEAR 9.87 MEV,
PHYS REV 127, 2180 <1962>
BY HARRIS, G I — DDC NR.
RANGAN L K — CONTRACT NR.
SEAGONDOLLAR, L K — PROJ/TASK NR. 7112-01

ARL P077
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PROPERTIES OF EXCITED STATES OF P III. GAMMA-RAY SPECTRA AND DECAY SCHEMES.
PHYS REV 128, 338 <1962>
BY HARRIS G I — DOC NR.
SPAGNOLLAR, L W — CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL P078
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PROPERTIES OF EXCITED STATES OF P31.
PHD THESIS, UNIV OF KANSAS <1962>
BY HARRIS, G I — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL P079
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
PROPERTIES OF EXCITED STATES OF P31.
APS MTG, WASH, D C <APRIL 62> BULL AM PHYS SOC 7, 301 <1962>
BY HARRIS G I — DOC NR.
SPAGNOLLAR, L W — CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL P080
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
9.61 MEV LEVEL OF P31.
APS MTG, SEATTLE, WASH <AUG 62> BULL AM PHYS SOC 7, 459 <1962>
BY HARRIS, G I — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-01

ARL P081
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
QUANTIZATION OF THE YANG-MILLS FIELD.
PHYS REV 127, 1821 <1962>
BY PICKLER S I — DOC NR.
ARNOWITT, R L — CONTRACT NR.
PROJ/TASK NR. 7114-01

ARL P082
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
COUPLED YANG-MILLS FIELD.
PRES AT AM PHYS SOC MTG, NEW YORK CITY, N Y <1962>
BULL AM PHYS SOC 7, 80 <1962>
BY PICKLER, S I — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7114-01

ARL P083
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
ON THE NEUTRON BOMBARDMENT REDUCTION OF TRANSISTOR CURRENT GAIN.
J APPL PHYS 31, 1826-1828 <1960>
PROC OF 2ND CONF ON NUCLEAR RADIATION EFFECTS ON SEMICONDUCTOR DEVICES, MATERIALS AND CIRCUITS, PAGE 87, SEPT 1959 <NEW YORK>
BY BOOLEY J A — DOC NR.
EASLEY, J W — CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL P084
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
THE TRANSMISSION OF FAST NEUTRONS THROUGH IRON, ALUMINUM AND LEAD.
M S APIT <1960>
BY BIMA M J — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-70716

ARL R001
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
AN ANALYTICAL STUDY OF THE PERFORMANCE OF ROCKET PROPELLANTS
THE FLORIDA ENGINEER <JUNE 1959>
BY ANDERSON, JR, J D — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7064-70169

ARL R004
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE MEASUREMENT AND COMPARISON WITH THEORY OF HEAT TRANSFER FROM SIMILAR LAMINARY BOUNDARY LAYERS TO AERODYNAMIC BODIES IN SUPERSONIC AND HYPERSONIC GAS STREAMS
PREP TO THE AERO ENGR DEP AT PRINCETON UNIV <OCT 1961>
BY REINECKE, W G — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7064-70169

ARL R005
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE DEVELOPMENT OF THE SHOCK TUNNEL AND ITS APPLICATION TO HYPERSONIC FLIGHT
PRES INTER CONF ON HYPERSONICS, CAMBRIDGE, MASS <AUG 1961>
BY PIDDUCK, A V — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7064-70169

ARL R007
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ASTRONOMICAL PHOTOGRAPHIC RECORDING WITH AND WITHOUT ELECTRONIC LIGHT INTENSIFICATION
OHIO J SCI VOL 62 <6> 709-901, 1962
BY GEBEL, R E M — DOC NR.
DEVOL, L — CONTRACT NR.
PROJ/TASK NR. 7072-70027

ARL R006
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SOME EARLY TRAILS OF ASTRONOMICAL PHOTOGRAPHY BY TELEVISION METHODS
ADVAN ELECTRON ELECTRON PHYS VOL XIV, PP 199, SEP 1959.
PAPER 8TH PHOTOELECTRIC IMAGE DEVICES, IMPERIAL COLLEGE SCI & TECH, UNIV LONDON, ENGLAND.
BY GEBEL, R E M — DOC NR.
DEVOL, L — CONTRACT NR.
PROJ/TASK NR. 7072-70027

ARL R007
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THE POTENTIALITIES OF ELECTRONICALLY SCANNED PHOTOCONDUCTIVE IMAGE DETECTORS FOR ASTRONOMICAL USES
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BY GEBEL, R E M — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7072-70027

ARL R008
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE CAT EYE
SKY AND TELESCOPE XXVIII, NO2, 84 <1959>
BY GEBEL, R E M — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7072-70027

ARL R010
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DISPLACEMENT OF THE CADMIUM ATOM IN THE CDS LATTICE
PHYS REV 129, 1865 <1962>
BY EULP, B A — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7084-01

ARL R016
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE NEAR INFRARED FLUORESCENCE SPECTRUM OF ZNSE.
APS MTG, RALTA, 1962
BY EULP, B A — DOC NR.
DETWILER, R M — CONTRACT NR.
PROJ/TASK NR. 7084-01

ARL R019
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DISPLACEMENT OF THE CADMIUM ATOM IN SINGLE CRYSTAL CDS
PHYS REV 129 1865 <1962>
BY EULP, B A — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7084-01

ARL R016
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE ORIGIN OF THE GREEN AND RED FLUORESCENCE BANDS IN PURE SINGLE CRYSTAL CADMIUM SULFIDE
BULL AM PHYS SOC SER II, 6, 420, 1959
BY EULP, B A — DOC NR.
KELLEY, R M — CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL R017
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ELECTRON IRRADIATION EFFECTS IN CADMIUM SULFIDE
BULL AM PHYS SOC SER II, 6, 329, 1959
BY EULP, B A — DOC NR.
KELLEY, R M — CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL R018
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DISPLACEMENT OF THE SULFUR ATOM IN CDS BY ELECTRON BOMBARDMENT
PROC OF 2ND CONF NUCLEAR RADIATION EFFECTS IN SEMICONDUCTORS, PAGE 91, SEPT 1959
BY EULP, B A — DOC NR.
KELLEY, R M — CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL R019
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
P-TYPE PHOTOCONDUCTIVITY IN ELECTRON BOMBARDED CDS
BULL AM PHYS SOC SER II, 6, 373-374, 1960
BY EULP, B A — DOC NR.
KELLEY, R M — CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL R021
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CDS IN THE NEAR INFRARED UNDER ELECTRON BOMBARDMENT
PRES AT APS MTG, MONTEREY, CALIF <1961>
BY EULP, B A — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL R022
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DISPLACEMENT OF AN ATOM FROM THE ZNSE LATTICE BY ELECTRON BOMBARDMENT
PRES APS MTG, CLEVELAND, NOV 1962
BY EULP, B A — DOC NR.
DETWILER, R M — CONTRACT NR.
PROJ/TASK NR. 7084-01

ARL R023
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
EDGE EMISSION IN CDS CRYSTAL THAT SHOW MECHANICALLY EXCITED EMISSION
PHYS REV 129, 2, 918-923 JAN <1962>
BY LITTON, C W — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7084-03

ARL R026
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
FIELD INDUCED EMISSION IN CDS CRYSTALS EXHIBITING MECHANICALLY EXCITED EMISSIONS
PRES APS MTG, MONTEREY, CALIF <1961> BULL AM PHYS SOC SER II, 6 NO 2, 111 <1961>
BY LITTON, C W — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7084-70046

ARL 8029
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
MECHANICALLY-EXCITED EMISSION IN ZINC SULFIDE SINGLE CRYSTAL
PRES APS MTG BALTO, MAR 1962
BY LITTON, C W — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8036
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ELECTRIC FIELD INDUCED EMISSION IN TAP CDS CRYSTALS
PRES APS MTG, CLEVELAND, NOV 1962
BY LITTON, C W — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8039
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
EDGE EMISSION IN ZINC SELENIDE CRYSTALS AT LOW TEMPERATURES
PRES CONF COMPOUND SEMICONDUCTORS, SCHENECTADY, N Y,
JUNE 1961
BY REYNOLDS, D C — DOC NR.
LARSON, C W — CONTRACT NR.
PERROTTI, L S — PROJ/TASK NR. 7089-70846

ARL 8050
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
TEMPERATURE DEPENDENCE OF EDGE EMISSION IN CADMIUM SULFIDE
PHYS REV VOL 118, (2) PPS 678-679, 1960
BY REYNOLDS, D C — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8059
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PROPERTIES OF BLUE EDGE EMISSION AND ZEEMAN EFFECTS IN CDS CRYSTALS
APS MTG, SEATTLE, AUG 1962
BY REYNOLDS, D C — DOC NR.
LITTON, C W — CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8064
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
MAGNETIC BEHAVIOR OF DOUBLET EDGE EMISSION LINES IN CDS
APS MTG ST LOUIS, MAR 1963
BY REYNOLDS, D C — DOC NR.
LITTON, C W — CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8099
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
GROWTH OF SULFIDE CRYSTALS FROM THE VAPOR PHASE
CHAP IN BOOK THE ART & SCI OF CRYSTAL GROWTH (JOHN WILEY & SONS)
BY REYNOLDS, D C — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8056
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DISLOCATION OF TWO TYPES OF CDS CRYSTALS
J APPL PHYS 31, 86 (1960)
BY REYNOLDS, D C — DOC NR.
CZYZAK, S J — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8057
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SPIN-ORBIT SPLITTING IN ZNCDS, SINGLE CRYSTALS.
PRES APS MTG MONTEREY, CALIF. 1961 BULL AM PHYS SOC SER II
6, 87 (3), (1961)
BY REYNOLDS, D C — DOC NR.
LITTON, C W — CONTRACT NR.
PROJ/TASK NR. 7089-70846

ARL 8058
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CADMIUM SULFIDE EMISSION STORAGE PROPERTIES
ELECTROCHEMICAL SOC STM, NEW YORK MAY 1959
BY REYNOLDS, D C — DOC NR.
WARSCHAUER, D M — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8059
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DISLOCATIONS IN TWO TYPES OF CADMIUM SULFIDE CRYSTALS
BULL AM PHYS SOC SER II, 6, 170, 1959
BY REYNOLDS, D C — DOC NR.
CZYZAK, S J — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8060
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
TEMPERATURE SHIFT OF EDGE EMISSION IN CADMIUM SULFIDE CRYSTALS
PRES AT INTER UNION OF PURE AND APPL PHYS, PRAGUE, 1960
BY REYNOLDS, D C — DOC NR.
PERROTTI, L S — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8061
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ENERGY MODEL FOR EDGE EMISSION IN CADMIUM SULFIDE
PRES AT SCI & EXPR SYMP, SAN FRANCISCO, CALIF, OCT 1961
BY REYNOLDS, D C — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7089-70846

ARL 8062
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
MECHANICAL STIMULATION OF CADMIUM SULFIDE EDGE EMISSION
BULL AM PHYS SOC SER II, 6, 270, 1959
BY REYNOLDS, D C — DOC NR.
WARSCHAUER, D M — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8066
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INDEX OF REFRACTION OF CDS AT VARIOUS PRESSURES AND TEMPERATURES
PRES APS MTG MEXICO CITY, MEXICO (1961) BULL AM PHYS SOC 6
NO 11, 536 (1961)
BY LARSEN, D W J — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7089-70846

ARL 8067
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
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PRES NATO ADV STUDY INST FOR SOLAR & AFRICAN ENERGY, SAUDON GREECE (1961)
BY LARSEN, D W J — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7089-70846

ARL 8068
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
LOW TEMPERATURE AND HIGH PRESSURE EXPERIMENTS ON CADMIUM SULFIDE
17TH INTERN CONGRESS OF PURE AND APPL CHEM, MUNCHEN, GERMANY (1959)
BY LARSEN, D W J — DOC NR.
WARSCHAUER, D M — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8069
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE EFFECT OF PRESSURE ON THE EDGE EMISSION IN CDS
PRES APS MTG MONTREAL, CANADA, 1960
PRES INTERN CONF ON SEMICONDUCTOR PHYSICS, PRAGUE, 1960
BY LARSEN, D W J — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8051
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PRESSURE DEPENDENCE OF THE REFLECTIVITY OF SOME II-VI COMPOUNDS
PRES APS MTG, CLEVELAND, NOV 1962
BY LARSEN, D W J — DOC NR.
HILLAND, C B — CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8052
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE EFFECT OF PRESSURE ON THE EMISSION AND REFLECTION SPECTRA IN CADMIUM SULFIDE
PRES APS MTG, MONTEREY, CALIF. 1961 BULL AM PHYS SOC SER II 67, 111 (1961)
BY LARSEN, D W — DOC NR.
LAUTENBACH, W B — CONTRACT NR.
PROJ/TASK NR. 7089-01

ARL 8053
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
MECHANICALLY-EXCITED EMISSION IN CADMIUM SULFIDE
PHYS CHEM SOLIDS 13, NOS 1/2 291, PERGAMON PRESS (PRINTED IN GR BRIT - 1960)
BY WARSCHAUER, D M — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8054
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
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BY WARSCHAUER, D M — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8055
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
NON-MAGNETIC HIGH-PRESSURE VESSELS
REV SCI INSTR 31, 876 (1959)
BY WARSCHAUER, D M — DOC NR.
PAUL, W — CONTRACT NR.
BRADLEY, C B — PROJ/TASK NR. 7021-70846

ARL 8056
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
EDGE AND IMPURITY EMISSION IN CADMIUM SULFIDE
PHYS REV LTRS 4, 370 (1959)
BY WARSCHAUER, D M — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL 8057
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
MECHANICAL STIMULATION OF EDGE EMISSION IN CADMIUM SULFIDE
PRES ELECTRO CHEM SOC MEETING, COLUMBUS, OHIO 1960
BULL PHYS SOC SER II, 6, 65, 1959
BY WARSCHAUER, D M — DOC NR.
REYNOLDS, D C — CONTRACT NR.
BLAKEWOOD, C — PROJ/TASK NR. 7021-70846

ARL 8059
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
A METHOD FOR THE GROWTH OF CDO SINGLE CRYSTALS
PRES APS MTG, SEATTLE, AUG 1962
BY LACEFD, D B — DOC NR.
DOBAIN, P B — CONTRACT NR.
GOLDEN, S — PROJ/TASK NR. 7089-01

ARL 8060
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ENERGY MODEL FOR EDGE EMISSION IN CADMIUM SULFIDE
PHYS REV 120, 4, 1666 (1960)
BY PERROTTI, L S — DOC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL X061
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SPIN-ORBIT IN CDS SE SINGLE CRYSTALS
PRES APS MTG. BALTO. MAR 1962
BY PEDROTTI, F L — DDC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7885-03

ARL X062
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE FINE STRUCTURE OF PHOTOCONDUCTIVITY SPECTRA OF CDSE AT 4.2°K
PRES APS MTG. CLEVELAND. NOV 1962
BY PARK, Y S — DDC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7885-03

ARL X063
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
LUMINESCENCE OF SOME RARE EARTH ACTIVATED II-VI COMPOUNDS
PRES APS MTG SEATTLE. AUGUST 1962
BY IBUKI, S — DDC NR.
LANGER, D — CONTRACT NR.
PROJ/TASK NR. 7885-03

ARL X064
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
NOISE CHARACTERISTICS OF LOW-LEVEL TRANSISTOR AMPLIFIER
PROC OF THE NATIONAL AERO ELECTRONIC CONF DAYTON, OHIO <1959>
BY KLINGLER, G A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7112-70706

ARL X065
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
DIFFUSION OF COPPER IN CADMIUM SULFIDE CRYSTALS
J APPL PHYS 30, 957 <1959>
BY CLARKE, R L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL X066
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ON THE CONDUCTIVITY OF CADMIUM SULFIDE FOLLOWING ELECTRON BOMBARDMENT
PRES APS MTG. BALTO. MAR 1962 J APPL PHYS 33, 2173 <1962>
BY SCHULZE, R G — DDC NR.
KULP, B A — CONTRACT NR.
PROJ/TASK NR. 7885-01

ARL X067
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ADSORPTION EDGE IN SINGLE CRYSTALS OR ALLOYS OF ZINC SULFIDE CADMIUM SULFIDE
BULL AM PHYS SOC SER II, 4, 157, 1959
BY GREENE, L C — DDC NR.
KINGSTON, D L — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL X068
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
METHOD FOR GROWING HEXAGONAL HGS SINGLE CRYSTALS
BULL AM PHYS SOC SER II, 5, 372, 1960 PRES APS MTG. MONTREAL, CANADA, 1960
BY KINGSTON, D L — DDC NR.
REYNOLDS, D C — CONTRACT NR.
PROJ/TASK NR. 7021-70846

ARL X069
WISCONSIN UNIVERSITY OF
NEGATIVE EFFECTIVE MASS CYCLOTRON RESONANCE WXPERIMENTS
APS MEETING DETROIT MARCH 1960
BY DEXTER R N — DDC NR.
HENSLER D — CONTRACT NR. AF 33<616>-6111
HOLLAR F — PROJ/TASK NR. 7885-03
HALLORAN M

ARL X070
ATOMICS INTERNATIONAL
ELECTRON DAMAGE THRESHOLD IN IN SB
PHYS REV LTR MAY 1959
BY EISEN F H — DDC NR.
BICKEL P W — CONTRACT NR. AF 33<616>-3924
PROJ/TASK NR. 7112-70706

ARL X071
ARMOUR RESEARCH FOUNDATION
PURIFICATION OF LITHIUM JODIDE BY ZONE MELTING
J PHYS CHEM FEBRUARY 1959
BY PIZZARELLO F — DDC NR.
CONTRACT NR. AF 33<616>-3748
PROJ/TASK NR. 7112-70704

ARL X072
BATTELLE MEMORIAL INSTITUTE
EFFECTS OF FAST NEUTRONS ON SILICON CARBIDE
PHYS REV LTR MAY 1959
BY AUKERMAN L W — DDC NR.
GORTON H C — CONTRACT NR. AF 33<616>-3747
WILLARDSON R K — PROJ/TASK NR. 7112-70706
BRYSON V F

ARL X073
BATTELLE MEMORIAL INSTITUTE
TRANSPORT PROPERTIES IN SILICON AND GALLIUM ARSENIDE
J APPL PHYS AUGUST 1959
BY WILLARDSON R K — DDC NR.
CONTRACT NR. AF 33<616>-3747
PROJ/TASK NR. 7112-70706

ARL X074
NEW YORK UNIVERSITY
ELECTRICAL PROPERTIES OF N-TYPE CDSE
APS MEETING, CLEVELAND, NOVEMBER 1959
BY DEVLIN, S S — DDC NR.
SCHIOZAWA, L R<P.I.> — CONTRACT NR. AF 33<616>6865
PROJ/TASK NR. 7885-03

ARL X075
NEW YORK UNIVERSITY
SOME ELECTRICAL, OPTICAL AND STRUCTUREAL PROPERTIES OF CDS SE
APS MEETING, DETROIT, MARCH 1960
BY DEVLIN, S S — DDC NR.
SHIOZAWA, L R — CONTRACT NR. AF 33<616>-6865
PROJ/TASK NR. 7885-03

ARL X076
RAYTHEON
A SEMICONDUCTOR DEVICE FAST AND SLOW-NEUTRON DOSIMETRY
PROCEEDINGS OF THE INST. OF ELEC ENGRS MAY 1959 PART B AS A CONTRIBUTION TO THE INTL CONVENTION ON TRANSISTORS & ASSOCIATED SEMI-CONDUCTOR DEVICES TO BE HELD IN LONDON ENGLAND
BY KLEIN, C A — DDC NR.
STRAUB, W D — CONTRACT NR. AF 33<616>-394
PROJ/TASK NR.

ARL X077
TEXAS NUCLEAR CORP
FAST NEUTRON ACTIVATION OF AL
BULL AM PHYS SOC 4, 97 1959
BY HUDSON JR, O M — DDC NR.
MORGAN, I L — CONTRACT NR. AF 33<616>-5111
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ARL X078
TEXAS NUCLEAR CORP
INELASTIC SCATTERING OF FAST NEUTRONS BY TIME OF FLIGHT
BULL AM PHYS SOC 4, 103, 1959
BY OKHUYSEN, P L — DDC NR.
PRUD-HOMME, J T — CONTRACT NR. AF 33<616>-5111
MORGAN, I L — PROJ/TASK NR. 7112-70716

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TEXAS NUCLEAR CORP
INELASTIC NEUTRON SCATTERING IN Y, ZR, FE, AND PB.
BULL AM PHYS SOC 4 103, 1959
BY MORGAN, L I — DDC NR.
PRUD-HOMME, J T — CONTRACT NR. AF 33<616>-511
PROJ/TASK NR. 7112-70716

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TEXAS NUCLEAR CROP
ELASTIC SCATTERING OF FAST NEUTRONS FROM C, FE, Y ZR AND PB
BULL AM PHYS SOC 4 103, 1959
BY PRUD-HOMME, J T — DDC NR.
OKHUYSEN, P L — CONTRACT NR. AF 33<616>-5111
MORGAN, I L — PROJ/TASK NR. 7112-70716

ARL X081
GENERAL ATOMIC, DIV OF GENERAL DYNAMICS
MEASURING THE RANGE OF RECOIL ATOMS IN VARIOUS MATERIALS
NUCLEAR SCIENCE ABSTRACTS 15 APRIL 1961
BY SCHMITT, R A — DDC NR.
VAN LINT, V A J — CONTRACT NR. AF 33<616>-6795
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HARSHAW CHEMICAL COMPANY
EVAPORATED CDS FILM PHOTOVOLTAIC CELLS FOR SOLAR ENERGY CONVERSION
AM ROCKET SOC MEETING, SANTA MONICA, CALIF SEPTEMBER 1960
BY CORSKI, D — DDC NR.
SHIRLAND, F — CONTRACT NR. AF 33<616>-6548
MIDDLETON, A — PROJ/TASK NR. 7885-70715

ARL X083
HARSHAW CHEMICAL COMPANY
FLEXIBLE SOLAR BATTERY
WASHINGTON SCIENCE TRENDS, VOL VIII, NO 15, JUNE 1962
BY MIDDLETON, A E — DDC NR.
SHIRLAND, F A<P.I.> — CONTRACT NR. AF 33<616>-6548
PROJ/TASK NR. 7885-70715

ARL X084
HARSHAW CHEMICAL COMPANY
CRYSTAL MORPHOLOGY IN EVAPORATION EQUILIBRIUM AND GROWTH IN THE VAPOR PHASE
INTL SYMP ON CONDENSATIPN AND EVAPORATION OF SOLIDS, DAYTON SEPTEMBER 1962
BY WOLFF, G A — DDC NR.
SHIRLAND, F A<P.I.> — CONTRACT NR. AF 33<657>-7916
PROJ/TASK NR. 7885-02

ARL X085
HARSHAW CHEMICAL COMPANY
ON THE ETCHING OF III-V AND II-VI COMPOUNDS
BOSTON MTG OF THE ELECTROCHEMICAL SOC, SEP 1962
BY WOLFF, G A — DDC NR.
FRAWLEY, J J — CONTRACT NR. AF 33<657>-7916
HIETANEN, J R — PROJ/TASK NR. 7885-02
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HARSHAW CHEMICAL COMPANY
COMPOUND SEMICONDUCTOR FILM FORMATION BY VACUUM COEVAPORATION OF CONSTITUENTS
INTL SYMP ON CONDENSATION AND EVAPORATION OF SOLIDS DAYTON SEPTEMBER 1962
BY HILL, E R — DDC NR.
SHIRLAND, F A <P.I.> — CONTRACT NR. AF 33<657>-7916
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ARL X087
BATTELLE MEMORIAL INSTITUTE
RADIATION EFFECTS AND ANNEALING OF N-TYPE GAAS
INTL CONF ON SEMICONDUCTOR PHYS AT PRAGUE
CZECHOSLOVAKIA 29 AUG - 2 SEP 1960
BY AUKERMAN L W — DDC NR.
WILLARDSON R K<P.I> — CONTRACT NR. AF 33<616>-3747
PROJ/TASK NR. 7112-70706

ARL Z005
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SOME OBSERVATIONS ON THE MECHANISM OF HYDROGEN EMBRITTLEMENT IN HIGH STRENGTH STEELS
WESTERN METALS CONGRESS, LOS ANGELES, CALIF <1959>
BY ADAIR, A M — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-01

ARL Z006
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
YIELD POINTS IN IRON DUE TO HYDROGEN AND UPON REAPPLICATION OF LOAD AT LOW TEMPERATURES
ANN MTG AIME, NEW YORK, N Y, 19 FEB 62
BY ADAIR, A M; HOOK, R E — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-01

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE EXISTENCE AND FORMATION OF THE SOLID R60, CHAP
J A ELECTROCHEMICAL SOC 109, 1079 <1962>
BY RIZZO, H F; SIMMONS, W C; BIELSTEIN, H O — DDC NR, CONTRACT NR, PROJ/TASK NR, 7022-70634

ARL Z010
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
OXIDATION OF BORON AND SILICON-BORON COMPOSITIONS IN AIR AT ELEVATED TEMPERATURES
AM CERAM SOC MTG, CHICAGO, ILL <1959>
BY RIZZO, H F; POWELL, V F; WEBER, B C — DDC NR, CONTRACT NR, PROJ/TASK NR, 7022-70624

ARL Z011
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
OXIDATION OF BORON AT TEMPERATURES BETWEEN 400°C AND 1300°C IN AIR
CONF ON BORON, ASBURY PARK, N J <1959>
BY RIZZO, H F — DDC NR, CONTRACT NR, PROJ/TASK NR, 7022-70624

ARL Z012
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CERAMIC RESEARCH AT AERONAUTICAL RESEARCH LABORATORY
ANN MTG AIME, ST LOUIS, MO <1961>
BY RIZZO, H F — DDC NR, CONTRACT NR, PROJ/TASK NR, 7022-70624

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
OBSERVATIONS ON THE DUCTILITY AND FRACTURE OF RECRYSTALLIZED CHROMIUM
TRANS MET SOC AIME, 221, 409-411, APRIL 1961
BY LIPSITT, H A; HOOK, R E; ADAIR, A M — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-70667

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CRACK PROPAGATION IN COLD-ROLLED ALUMINUM SHEET
PROC ASTM, 59, 734, 1959
BY LIPSITT, H A; FORBES, F W; BAIRD, R B — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-70667

ARL Z017
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
TENSILE AND FATIGUE PROPERTIES OF LAMINATE SHEET STRUCTURES
PROC ASTM 59, 755, 1959
BY LIPSITT, H A; FORBES, F W; BAIRD, R B — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-70667

ARL Z020
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
METALLURGY RESEARCH AT THE AERONAUTICAL RESEARCH LABORATORY
ANN MTG AIME, ST LOUIS, MO, 1961>
BY LIPSITT, H A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-70668

ARL Z021
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
METALLURGY RESEARCH IN PROGRESS AT THE AERONAUTICAL RESEARCH LABORATORY, PROBLEM ORIGINS, TECHNIQUES AND STATUS TODAY
DAYTON CHAP ASM EDUCATIONAL SERIES, DAYTON, OHIO <1961>
BY LIPSITT, H A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-70667

ARL Z022
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE EFFECTS OF STRAIN AGING ON CRACK PROPAGATION AND FATIGUE LIMIT CHARACTERISTICS
PRES AT INTERN SYM ON FATIGUE CRACK PROPAGATION, CRANFIELD, ENGLAND <SEPT 1961>
BY LIPSITT, H A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7024-70668

ARL Z024
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE DETERMINATION OF ACTIVITIES IN SOLID COPPER-NICKEL ALLOYS USING GALVANIC CELLS INVOLVING A SOLID ELECTROLYTE
ACTA METALLURGICA, 10, 63 <1962>
BY RAPP, R A; MAAK, F — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z025
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CONDENSATION COEFFICIENTS IN THE GROWTH OF CADMIUM AND ZINC FROM THE VAPOR PHASE
J CHEM PHYS 34, 1, 184-188 <1961>
BY RAPP, R A; HIRTH, J P; POUND, G M — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE TRANSITION FROM INTERNAL TO EXTERNAL OXIDATION AND THE FORMATION OF INTERRUPTION BANDS IN SILVER-INDIUM ALLOYS
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BY RAPP, R A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z027
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
FREE ENERGY OF FORMATION OF MOO2
PRES FORD SCIENTIFIC LAB, DEARBORN, MICH 17 OCT 62, DEPT OF MAT ENGR,
BY RAPP, R A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z028
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
GALVANIC CELL MEASUREMENTS INVOLVING THE ZRO.85 CAO.1501.85 ELECTROLYTE
PRES FACULTY SEMINAR, CORNELL UNIV, ITHACA, N Y, 13 NOV 62 AND FACULTY SEMINAR, UNIV OF MINNESOTA, MINNEAPOLIS, MINNESOTA,
BY RAPP, R A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z029
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
PRINCIPLES AND APPLICATIONS OF SOLID ELECTROLYTES IN GALVANIC CELLS
PRES AT SEMINAR AT CORNELL UNIV <SENIOR STAFF> NOV 1962 ALSO PRES AT SEMINAR AT FORD SCIENTIFIC LAB, DEARBORN, MICH <OCT 1962>
BY RAPP, R A — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ORIGIN OF APPARENT NEGATIVE IMPEDANCE IN THREE TERMINAL MEASUREMENTS
THE REV OF SCI INSTR 33, 1087 <1962>
BY TALLAN, N M; GRAHM, H C; VEST, R W — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ELECTRICAL CONDUCTIVITY OF ZRO .85 CAO .15 01.85
J ELECTROCHEMICAL SOC 13 APRIL 1962
BY TALLAN, N M; VEST, R W — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z032
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ANOMALOUS DIELECTRIC LOSS IN ALUMINA
AM PHYS SOC MTG, NEW YORK <1960>
BY TALLAN, N M; DETWILER, D F — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z033
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE EFFECT OF GUARDING ON MEASUREMENTS OF DIELECTRIC LOSS IN SAPPHIRE
AM CERAM SOC MTG, PHILADELPHIA, PENN <1960>
BY TALLAN, N M; GRAHAM H C; DETWILER, D F — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z034
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
VARIATIONS IN THE DIELECTRIC PROPERTIES OF SAPPHIRE SAMPLES
AM PHYS SOC MTG, WASHINGTON, D C APRIL 1962
BY TALLAN, N M; GRAHAM H C — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
RECENT ADVANCES IN CERAMICS FOR ELECTRONIC APPLICATIONS
15TH PACIFIC COAST REGIONAL MTG, AM CERAM SOC, SEATTLE, WASHINGTON, 17 OCT 62
BY TALLAN, N M — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z037
AERONAUTICAL RESEARCH LABORATORIES<IN-HOUSE>
INCONSISTENCIES IN ZIRCONIA LITERATURE
J AM CERAM SOC 45, 12<1962>
BY WEBER, B, C, — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL Z038
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SLIP CASTING OF CERMETS
REINHOLD PUB CO, NEW YORK 1960
BY WEBER, B C — DDC NR, CONTRACT NR, PROJ/TASK NR, 7021-02

ARL 7059
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
METAL MODIFIED OXIDES
REINHOLD PUB CO., NEW YORK, 1960 <MONO ON CERMETS>
BY SCHWARTZ, M A DOC NR.
WEBER, R C CONTRACT NR.
PROJ/TASK NR. 7021-02

ARL 7060
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CONTAINER MATERIALS FOR MELTING REACTIVE METALS
REINHOLD PUB CO., NEW YORK 1960 <MONO ON CERMETS>
BY WEBER, R C DOC NR.
SCHWARTZ, M A CONTRACT NR.
PROJ/TASK NR. 7021-02

ARL 7061
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
THE APPLICATION OF THE SLIP CASTING PROCESS FOR THE FORMING
OF CERMETS
CERAM J(5)(MAR, APR <1962>
BY WEBER, R C DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7021-02

ARL 7062
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
CRUCIBLE AND REFRACTORY MATERIAL
U S PATENT NO 3049437 14 AUG 62
BY WEBER, R C DOC NR.
CONTRACT NR.
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ARL 7063
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
ON FIBROUS SILICA, SILICON SESQUIOXIDE AND A SILICON-OXYGEN
COMPOUND OF THE COMPOSITION 3 SI2O3-2 SIO2, HAVING MULLITE
STRUCTURES
PRES AT FALL MTG OF BASIC SCI DIV AMER CERAM SOC,
SCHENECTADY, N Y, OCT 1961>
BY WEBER, R C DOC NR.
CONTRACT NR.
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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
REACTIONS OF TITANIUM AND ZIRCONIA AT ELEVATED TEMPERATURES
AM CERAM SOC MTG, PHILADELPHIA, PENNA <1960>
BY RIM, R DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7022-02

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
REACTIONS OF ZIRCONIA AND CHROMIUM
PRES AT 63RD ANN MTG AMER CER SOC, TORONTO, CANADA <1961>
BY RIM, R DOC NR.
GARRETT, M J CONTRACT NR.
PROJ/TASK NR. 7022-02

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REACTIONS IN THE SYSTEM SI-O-C
PRES AT 10TH INTERN CONGRESS OF PURE AND APPL CHEM,
MONTREAL, CANADA <1961>
BY DAVIS, M P DOC NR.
RIZZO, M P CONTRACT NR.
POSTER, W O PROJ/TASK NR. 7022-02

ARL 7068
AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>
GRAIN-BOUNDARY MIGRATION IN LIF RECRYSTALS
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BY DAVIS, M P DOC NR.
TALLAN, N M CONTRACT NR.
PROJ/TASK NR. 7022-02

ARL 7069
AERONAUTUTICAL RESEARCH LABORATORIES <IN-HOUSE>
SOLID STATE REACTIONS OF ZIRCONIA IN BINARY OXIDE SYSTEMS
RESULTING IN A MONOCLINIC CRYSTAL STRUCTURE AND THE USE OF
FLUORESCENCE PHENOMENA IN THE IDENTIFICATION OF ZIRCONIA
MODIFICATIONS
PRES 63RD ANN MTG AMER CER SOC TORONTO, CANADA <1961>
BY SIMMONS, W C DOC NR.
WEBER, R C CONTRACT NR.
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BY KAPLAN J. DDC NR.
BARTH, C A. CONTRACT NR. AF 19(604)-2144
PROJ/TASK NR. 7669-76690

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JOHNS HOPKINS UNIVERSITY
REPRESENTATION AND ANALYSIS OF SIGNALS. PART IV. ON THE USE OF GROWING HARMONIC EXPONENTIALS TO IDENTIFY STATIC NONLINEAR OPERATORS MAY 1 1958
BY LORY, H J DDC NR. 160868
LAI, D C CONTRACT NR. AF 19(604)-1961
HUGGINS, W H PROJ/TASK NR. 6690

AFCRC-TN-58-1029
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(U) QUARTERLY PROGRESS REPORT. DIVISION 6. DIGITAL COMPUTER DEC 15. 1958 JAN1960 SECRET
BY DDC NR.
CONTRACT NR. AF 19 (122)-458
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CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) ACT PERFORMANCE AS A FUNCTION OF CONTROL LOAD AND CONTROL METHOD MANUAL CONTROL VS. AIRMAP COMPUTER CONFIDENTIAL MAR 59
BY CORBOLLY, D W DDC NR. 209469
CONTRACT NR.
PROJ/TASK NR.

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RFPB, PR, LANGUAGE AND SPEECH VOL. 2, PART 4, OCT-DEC59, PP . 179-190
BY BIRDSTEIN, M DDC NR.
DECERB, L CONTRACT NR.
POLLACK, I PROJ/TASK NR. 7687

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CONTROL TOWER LANGUAGE CASE STUDY OF A SPECIALIZED LANGUAGE-IN-ACTION JUNE 1958
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BY SUBAY, W M DDC NR.
CONTRACT NR.
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CONSONANT CONFUSIONS AND THE CONSTANT RATIO RULE. MAR 60
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BY POLLACK, I DDC NR.
DECERB, L CONTRACT NR.
PROJ/TASK NR. 7681

AFCRC-TN-59-50
INDIANA, UNIVERSITY OF
OPERATING CHARACTERISTICS DETERMINED BY BINARY DECISIONS AND BY RATINGS . JUNE 59
RFPB, PR JOURN, OF ACOUS, SOC. OF AMER., V. 31, #6, 760-799
BY FRAN, J P DDC NR. 216178
SCHULMAN, A I CONTRACT NR. AF 19(604)-1967
GREENBERG, G Z PROJ/TASK NR. 7687?

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SYSTEM DEVELOPMENT CORPORATION
THE VALIDITY OF WEATHER FORECASTS IN SAGE DISPLAYS SEP 1959
BY DAWSON, M P DDC NR.
CONTRACT NR. AF 19(604)-2699
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SYSTEM DEVELOPMENT CORPORATION
(U) IMPROVING THE PROCESSING OF MANUAL DATA INPUTS BY THE INSTALLATION OF A SITUATION DISPLAY CONSOLE CONFIDENTIAL JULY 1959
BY KIRBY, F DDC NR.
WOLFSON, R CONTRACT NR. AF 19(604)-2699
WATSON, W PROJ/TASK NR.

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OHIO STATE UNIVERSITY RESEARCH FOUNDATION
THE EVOLUTION AND RATIONALE OF THE ICAO WORD-SPELLING ALPHABET JULY 59
BY MOSER, H M DDC NR.
CONTRACT NR. AF 19(604)-6979
PROJ/TASK NR. 7686

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THE EFFECT OF AUDITORY STIMULATION ON THE PRONUNCIATION OF ENGLISH WORDS BY NON-NATIVE SPEAKERS SEP 59
BY MOSER H DDC NR.
CONTRACT NR. AF 19(604)-1977
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SYSTEM DEVELOPMENT CORPORATION
A DESCRIPTION OF THE STAR (STATISTICAL TREATMENT OF AIRCRAFT RETURNS) TRACKING AND TROUBLE-DETECTION LOGIC NOV 59
BY BUCHANAN, G DDC NR.
SCHAFFR, A CONTRACT NR. AF 19(604)-2699
CLARE, M PROJ/TASK NR.

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SYSTEM DEVELOPMENT CORPORATION
A DESCRIPTION OF THE STAR (STATISTICAL TREATMENT OF AIRCRAFT RETURNS) TRACKING AND TROUBLE DETECTION LOGIC (FD 1960
BY BUCHANAN, G DDC NR.
CLARE, M CONTRACT NR. AF 19(604)-2699
SCHAFFR, A PROJ/TASK NR.

AFCRC-TN-59-98
SYSTEM DEVELOPMENT CORPORATION
(U) THE USE OF A SEPARATE GUIDANCE TRACKING LOGIC WITH STAR SURVEILLANCE TRACKING LOGIC SECRET NOV 59
BY BUCHANAN, G DDC NR.
SCHAFFR, A CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR. 1979

AFCRC-TN-59-60
MICHIGAN, UNIVERSITY OF
DETECTION OF SIGNALS OF UNCERTAIN FREQUENCY SEP 1959
BY CRFELMAN, C D DDC NR.
CONTRACT NR. AF 19(604)-2277
PROJ/TASK NR. 7687

AFCRC-TN-59-61
SYSTEM DEVELOPMENT CORPORATION
(U) TEST PROPOSAL TO DETERMINE THE FEASIBILITY OF AUTOMATICALLY CORRELATING HEIGHT RADAR DATA AND SURVEILLANCE RADAR DATA AT SAGE LONG RANGE RADAR SITES SECRET OCT 59
BY ROEBER, F DDC NR.
CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR.

AFCRC-TN-59-62
SYSTEM DEVELOPMENT CORPORATION
SPECIAL EXPERIMENTAL DISPLAY GENERATION PROGRAM (SEDGE) (UDESCRIPTION AND USER-S MANUAL NOV 59
BY SOURUP, R DDC NR.
WILLIAMSON, E CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR.

AFCRC-TN-59-63
SYSTEM DEVELOPMENT CORPORATION
INFORMATION SORT AND PREDICT NOV 59
BY SOURUP, R DDC NR.
CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR.

AFCRC-TN-59-64
SYSTEM DEVELOPMENT CORPORATION
(U) AN EVALUATION OF THE STAR (STATISTICAL TREATMENT OF AIRCRAFT RETURNS) TRACKING AND TROUBLE DETECTION LOGIC SECRET NOV 59
BY BUCHANAN, G DDC NR.
CLARE, M CONTRACT NR. AF 19(604)-2699
SCHAFFR, A PROJ/TASK NR.

AFCRC-TN-59-65
SYSTEM DEVELOPMENT CORPORATION
(U) RECOMMENDATIONS FOR MODIFICATION TO THE SAGE-HEIGHT FUNCTION SECRET NOV 59
BY BREEDEN, F DDC NR.
GUARNOTTA, J CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR.

AFCRC-TN-59-66
SYSTEM DEVELOPMENT CORPORATION
(U) RESULTS OF THE MANUAL DATA SUPERVISOR SID CONSOLE EVALUATION EXPERIMENTS IN FSS SECRET NOV 59
BY WATSON, W DDC NR.
KIRBY, F CONTRACT NR. AF 19(604)-2699
WOLFSON, R PROJ/TASK NR.
WELLY, A

AFCRC-TN-59-67
SYSTEM DEVELOPMENT CORPORATION
ACCURACY OF SPEED ESTIMATION BY FSS OPERATORS NOV 59
BY BUCHANAN, D A DDC NR.
CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR.

AFCRC-TN-59-68
SYSTEM DEVEL CORP
DESCRIPTION OF SIMULATED SAGE OPERATOR POSITION NOV 1959
BY PISTOR, H M DDC NR.
BUCHANAN, D A CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR. 1979

AFCRC-TN-59-69
SYSTEM DEVELOPMENT CORPORATION
A DESCRIPTION OF THE STAR (STATISTICAL TREATMENT OF AIRCRAFT RETURNS) AUTOMATIC DATA TRAIL DETECTION AND TRACK INITIATION LOGIC NOV 59
BY BUCHANAN, G DDC NR.
CLARE, M CONTRACT NR. AF 19(604)-2699
PROJ/TASK NR.

AFCRC-TN-59-70
SYSTEM DEVELOPMENT CORPORATION
METHODOLOGY NOTE ON THE DESIGN AND REDESIGN OF SYSTEMS NOV 59
BY WOLIN, B R — DDC NR. — CONTRACT NR. AF 19(604)-2635 — PROJ/TASK NR.

AFCRC-TN-59-71
CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
(U) AN EVALUATION OF THE(STAR STATISTICAL TREATMENT OF AIRCRAFT RETURNS) AUTOMATIC DATA TRAIL DETECTION AND TRACK INITIATION LOGIC SECRET NOV 59
BY BUCHANAN G; CLARK M — DDC NR. — CONTRACT NR. AF 19(604)-2635 — PROJ/TASK NR.

AFCRC-TN-59-72
SYSTEM DEVELOPMENT CORPORATION
A DETAILED FLOW DIAGRAM OF THE STAR TRACKING AND TROUBLE DETECTION PROGRAM FOR MODEL 3 NOV 59
BY BUCHANAN, G; CLARK, M; SCHAFER, A — DDC NR. — CONTRACT NR. AF 19(604)-2635 — PROJ/TASK NR.

AFCRC-TN-59-73
OHIO STATE UNIVERSITY
AN EXAMINATION OF THE SPOKEN VOCABULARY USED IN AIR TRAFFIC CONTROL NOV 59
BY MOSER H; DURHAM R — DDC NR. — CONTRACT NR. AF 19(604)-4575 — PROJ/TASK NR. 7686

AFCRC-TN-59-75
OHIO STATE UNIVERSITY
ORTHOGRAPHIC REPRESENTATIONS OF ENGLISH PRONUNCIATION AS AN AID IN TEACHING IIA DEC 1959
BY MOSER, H M; OYER, H J — DDC NR. — CONTRACT NR. AF 19(604)-4575 — PROJ/TASK NR. 7686

AFCRC-TN-59-76
PSYCHOLOGICAL RESEARCH ASSOCIATES
SAGE TASK-EQUIPMENT ANALYSIS INTERCEPT DIRECTOR AND INTERCEPT DIRECTOR TECHNICIAN FEB 60
BY WARBURTON JR G; LAWRENCE K; MARKS M — DDC NR. — CONTRACT NR. AF 19(604)-5616 — PROJ/TASK NR.

AFCRC-TN-59-100
NEW YORK UNIVERSITY
DIFFRACTION OF A PLANE WAVE BY A RIGHT ANGLED WEDGE WHICH SUSTAINS SURFACE WAVES ON ONE FACE JAN 1959
BY KARAL JR F C; KARP S N — DDC NR. 208046 — CONTRACT NR. AF 19(604)-1717 — PROJ/TASK NR. 5630-46010; 6268-56300

AFCRC-TN-59-101
STANFORD RESEARCH INSTITUTE
DESIGN DATA FOR ANTENNA-MULTI-COUPLER SYSTEMS NOV 1958
BY CLINE J F — DDC NR. 208047 — CONTRACT NR. AF 19(604)-2247 — PROJ/TASK NR. 4600-46016

AFCRC-TN-59-102
STANFORD RESEARCH INSTITUTE
TWISTED YAGI ANTENNAS DEC 1958
BY REYNOLDS D K — DDC NR. 208048 — CONTRACT NR. AF 19(604)-3502 — PROJ/TASK NR. 4615-1

AFCRC-TN-59-103
NEW YORK UNIVERSITY
DIFFRACTION BY AN ELLIPTIC CYLINDER DEC 1958
BY BERTRAM L — DDC NR. 208235 — CONTRACT NR. AF 19(604)-1717 — PROJ/TASK NR. 5609-46010; 6268-56300

AFCRC-TN-59-104
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS DEC 22 1958
BY HAWKINS N J; AFFLECK J H — DDC NR. 208329 — CONTRACT NR. AF 19(604)-4093 — PROJ/TASK NR. 4156-46310

AFCRC-TN-59-105
COLORADO UNIVERSITY OF
VISITS TO SEVERAL EUROPEAN RADIO OBSERVATORIES SUMMER DEC 10 1958
BY WARWICK J W — DDC NR. 208330 — CONTRACT NR. AF 19(604)-3872 — PROJ/TASK NR. 5630-2

AFCRC-TN-59-106
STANFORD RESEARCH INSTITUTE
U INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS CONFIDENTIAL DEC 1958
BY HONDA J S; SHARP E D — DDC NR. 204322 — CONTRACT NR. AF 19(604)-2240 — PROJ/TASK NR. 4560-46312

AFCRC-TN-59-107
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ESTIMATION OF FORMANT BAND WIDTHS FROM MEASUREMENTS OF TRANSIENT RESPONSE OF THE VOCAL TRACT DEC 1958
JOURN. OF SPEECH AND HEARING RESEARCH VOL. 1, #4
BY HOUSE A S; STEVENS K N — DDC NR. 208771 — CONTRACT NR. AF 19(604)-2061 — PROJ/TASK NR. 4602-1

AFCRC-TN-59-108
STANFORD UNIVERSITY
BASIC MICROWAVE RESEARCHNOV 1958
BY CHODOROW M — DDC NR. 208772 — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 4156-46309

AFCRC-TN-59-109
GENERAL ELECTRIC COMPANY
U IFF OPERATIONS RESEARCH SECRET NOV 3 1958
BY — DDC NR. 304432 — CONTRACT NR. AF 19(604)-1836 — PROJ/TASK NR. 4604

AFCRC-TN-59-110
BATTELLE MEMORIAL INSTITUTE
MEASUREMENTS OF BULK LIFETIME IN SILICON DEC 15 1958
BY BECK R W; PEET C S; BEER, A C — DDC NR. 208773 — CONTRACT NR. AF 19(604)-1852 — PROJ/TASK NR. 5620-2

AFCRC-TN-59-111
UNIVERSITY COLLEGE LONDON
THE SOLUTION OF SOME FUNDAMENTAL PROBLEMS IN MECHANICAL SPEECH RECOGNITION JAN-MAR 1958
(LANGUAGE AND SPEECH, VOL 1 PT 1 PP 35-38
BY FRY D B; DENES P — DDC NR. 208865 — CONTRACT NR. AF 61(514)-1176 — PROJ/TASK NR. 4602

AFCRC-TN-59-112
BROWN UNIVERSITY
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF SILICON AND SILICON CARBIDE SURFACES JAN 1959
BY DILLON JR J A — DDC NR. 208866 — CONTRACT NR. AF 19(604)-4568 — PROJ/TASK NR. 5621-2

AFCRC-TN-59-113
TENNESSEE UNIVERSITY OF
THE IMPEDANCE OF FOLDED MONOPOLES USED IN CIRCULAR ANTENNA ARRAYS FEB 1 1959
BY BRITTAIN J E; TILLMAN J D — DDC NR. 209374 — CONTRACT NR. AF 19(604)-4967 — PROJ/TASK NR. 4600-46015

AFCRC-TN-59-114
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE FIRENZE
MECHANICAL TORQUE EXPERIENCED BY A CONDUCTING LOOP IN A CYLINDRICAL WAVEGUIDE SEP 1958
BY GIANCARLO CASINI; LAURA RONCHI ARBOZZO — DDC NR. 209375 — CONTRACT NR. AF 61(052)-67 — PROJ/TASK NR. 7776

AFCRC-TN-59-115
GENERAL ELECTRIC COMPANY
U IFF OPERATIONS RESEARCH SECRET NOV 10 1958
BY — DDC NR. 304622 — CONTRACT NR. AF 19(604)-1836 — PROJ/TASK NR. 4604

AFCRC-TN-59-116
THE FRANKLIN INSTITUTE
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS JAN 15 1959
BY — DDC NR. 209521 — CONTRACT NR. AF 19(604)-3904 — PROJ/TASK NR. 4156-46310

AFCRC-TN-59-117
TRANSISTOR APPLICATIONS INC
INVESTIGATION OF THE APPLICATIONS OF NEGATIVE RESISTANCE DIODES FOR SWITCHING CIRCUITS DEC 1958
BY — DDC NR. 209522 — CONTRACT NR. AF 19(604)-3066 — PROJ/TASK NR. 4156-46210

AFCRC-TN-59-118
BATTELLE MEMORIAL INSTITUTE
U RESEARCH ON RADAR CAMOFLAGE MATERIALS AND TECHNIQUES SECRET OCT 31 1958
BY FALKENBACH G J; RIFE W F; STUTZ D E; BLANKENSHIP C L — DDC NR. 304734 — CONTRACT NR. AF 19(604)-3046 — PROJ/TASK NR. 6268-40542A

AFCRC-TN-59-119
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
U BISTATIC ECHO AREA MEASUREMENTS OF A BALLISTIC MISSILE ! SECRET OCT 31 1958
BY COPELAND J R — DDC NR. 304735 — CONTRACT NR. AF 19(604)-3501 — PROJ/TASK NR.

AFCRC-TN-59-120
MICROWAVE ENGINEERING LABORATORIES INC
RESEARCH AND DEVELOPMENT OF A SOLID STATE PARAMAGNETIC MASER JAN 9 1959
BY VARTANIAN P H — DDC NR. 209906 — CONTRACT NR. AF 19(604)-4071 — PROJ/TASK NR. 5620-3

AFCRC-TN-59-121
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE FIRENZE
TRANSPORT OF ANGULAR MOMENTUM IN A WAVE GUIDE NOV 1958
BY DI FRANCIA G T — DDC NR. 209907 — CONTRACT NR. AF 61(052)-67 — PROJ/TASK NR. 7776

AFCRC-TN-59-122
GENERAL ELECTRIC COMPANY
(U) TRI-COORDINATE RECEIVING SYSTEM DEVELOPMENT CONFIDENTIAL APR 6 1959
BY WINGROVE, JR. F R; WEBB, R S — DDC NR. 305214 — CONTRACT NR. AF 19(604)-1913 — PROJ/TASK NR. 4600-3

AFCRC-TN-59-123
ITT LABORATORIES
RESEARCH ON GROWING CRYSTALS OF FERRIMAGNETIC OXIDES JAN 59
BY MARINO, JR. A J — DDC NR. 210082 — CONTRACT NR. AF 19(604)-2261 — PROJ/TASK NR. 4156-46210

AFCRC-TN-59-124
CASE INSTITUTE OF TECHNOLOGY
STUDY OF CONTROL OF APERTURE FIELDS JUNE 1 1958 TO NOV 30 1958
BY
DDC NR. 210083
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 4600-46017

AFCRC-TN-59-125
HARVARD UNIVERSITY
HIGH-FREQUENCY DIFFRACTION OF PLANE WAVES BY AN INFINITE SLIT OCT 31 1958
BY SESHADRI S R
DDC NR. 210084
CONTRACT NR. AF 19(604)-786
PROJ/TASK NR. 4600-46001-3

AFCRC-TN-59-126
HARVARD UNIVERSITY
HIGH-FREQUENCY DIFFRACTION OF PLANE WAVES BY AN INFINITE SLIT FOR GRAZING INCIDENCE OCT 31 1958
BY SESHADRI S R
WU T T
DDC NR. 210085
CONTRACT NR. AF 19(604)-786
PROJ/TASK NR. 4600-46001-3

AFCRC-TN-59-127
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
MESSAGE AND SYNCHRONIZING TIMES ON AN/TSQ-13 JAN 1959
BY FERRIS P A
DDC NR. 210215
CONTRACT NR.
PROJ/TASK NR. 4660

AFCRC-TN-59-128
HARVARD UNIVERSITY
AN INTEGRAL EQUATION FOR THE POTENTIAL AT THE GAP OF A SLOTTED CYLINDER OCT 15 1958
BY MACRAKIS M S
DDC NR. 210216
CONTRACT NR. AF 19(604)-786
PROJ/TASK NR. 4600-46001-3

AFCRC-TN-59-129
GENERAL ELECTRIC COMPANY
U IFF OPERATIONS RESEARCH SECRET NOV 24 1958
BY
DDC NR. 305028
CONTRACT NR. AF 19(604)-1836
PROJ/TASK NR. 4604

AFCRC-TN-59-130
POLYTECHNIC INSTITUTE OF BROOKLYN
RELATION BETWEEN A CLASS OF TWO-DIMENSIONAL AND THREE-DIMENSIONAL DIFFRACTION PROBLEMS JAN 12 1959
BY FELSEN L B
KARP S N
DDC NR. 210493
CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5630

AFCRC-TN-59-131
NEW YORK UNIVERSITY
VERTEX EXCITED SURFACE WAVES ON ONE FACE OF A RIGHT ANGLED WEDGE JAN 1959
BY KARP S N
KARAL JR F C
DDC NR. 210494
CONTRACT NR. AF 19(604)-1717
PROJ/TASK NR. 6268-46010
PROJ/TASK NR. 5630-56300

AFCRC-TN-59-132
STANFORD RESEARCH INSTITUTE
TELETYPE CAPACITY TESTS ON THE STANFORD-BOZEMAN METEOR-BURST COMMUNICATION SYSTEM JAN 1959
BY VINCENT W R
WOLFRAM R T
ROTH I
SIFFORD, R M
DDC NR. 210495
CONTRACT NR. AF 19(604)-1517
PROJ/TASK NR. 4603-46037
PROJ/TASK NR. 4605

AFCRC-TN-59-134
POLYTECHNIC INSTITUTE OF BROOKLYN
LEAKY WAVE CONTRIBUTIONS TO THE FIELD OF A LINE SOURCE ABOVE A DIELECTRIC SLAB PART II DEC 17 1958
BY BARONE S
HESSEL A
DDC NR. 210712
CONTRACT NR. AF 19(604)-2031
PROJ/TASK NR. 4600-1

AFCRC-TN-59-135
BROWN UNIVERSITY
RADIATION FIELD OF A POINT SOURCE IN A DUCT JAN 1959
BY KORNHAUSER, E T
DDC NR. 210713
CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5631

AFCRC-TN-59-136
BROWN UNIVERSITY
TRANSMISSION OF WAVES THROUGH IONIZED LAYERS FEB 1959
BY KORNHAUSER E T
DDC NR. 211150
CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5631

AFCRC-TN-59-137
PARKE MATHEMATICAL LABORATORIES, INC.
A CLASS OF BINARY SYSTEMATIC CODES CORRECTING ERRORS AT RANDOM AND IN BURSTS FEB 1959
BY CALABI, L
HAEFELI, H G
DDC NR. 211360
CONTRACT NR. AF 19(604)-3471
PROJ/TASK NR. 5630-5

AFCRC-TN-59-138
NEW YORK UNIVERSITY
HIGHER ORDER APPROXIMATIONS IN MULTIPLE SCATTERING I TWO-DIMENSIONAL SCALAR CASE II THREE-DIMENSIONAL SCALAR CASE MAR 1959
BY ZITRON N
KARP S N
DDC NR. 211521
CONTRACT NR. AF 19(604)-1717
PROJ/TASK NR. 5620

AFCRC-TN-59-139
BRANDEIS UNIVERSITY
PARAMAGNETIC RELAXATION FEB 59
BY FLAKOFF, D L
DDC NR. 211522
CONTRACT NR. AF 19(604)-4107
PROJ/TASK NR. 5620-3

AFCRC-TN-59-141
TUFTS COLLEGE
THE INFRARED SPECTRA OF ABSORBED MOLECULES BEING A REVIEW JAN 7 59
BY CRAWFORD, V A
DDC NR.
CONTRACT NR. AF 19(604)-4063
PROJ/TASK NR. 5620-4

AFCRC-TN-59-142
SYLVANIA ELECTRIC PRODUCTS, INC.
INVESTIGATION OF SUBMILLIMETER WAVE GENERATION MAR 1 59
BY SKOMAL, F N
DDC NR.
CONTRACT NR. AF 19(604)-4081
PROJ/TASK NR. 5620-3

AFCRC-TN-59-143
STANFORD RESEARCH INSTITUTE
END-OF-BURST ERRORS IN METEOR-BURST COMMUNICATIONS FEB 1959
BY SIFFORD R M
ROTH I
DDC NR. 211807
CONTRACT NR. AF 19(604)-1517
PROJ/TASK NR. 4603-5-46037

AFCRC-TN-59-144
NEW YORK UNIVERSITY
RACK SCATTERING FROM A FINITE CONE FEB 1959
BY KELLER J B
DDC NR. 211808
CONTRACT NR. AF 19(604)-1717
PROJ/TASK NR. 5620

AFCRC-TN-59-146
BROWN UNIVERSITY
ON THE DISCRETE SPECTRUM FOR DIELECTRIC RODS OF ARBITRARY CROSS SECTION MAR 1959
BY KORNHAUSER E T
DDC NR. 211930
CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5631

AFCRC-TN-59-147
WASHINGTON, UNIVERSITY OF
SYNTHESIS OF RECTANGULAR APERTURES MAR 59
BY BLUNDELL, J W
HELD, G
ISHIMARU, A
DDC NR. 211931
CONTRACT NR. AF 19(604)-4098
PROJ/TASK NR. 5630

AFCRC-TN-59-148
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
SOLAR SYSTEM RADIO RADIATION DEC 1958
BY KRAUS J D
DDC NR. 211944
CONTRACT NR. AF 19(604)-1591
PROJ/TASK NR. 4603-46130

AFCRC-TN-59-149
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS SEP 1 1958 TO NOV 30 1958
BY ROHRGAUGH J H
DDC NR. 212073
CONTRACT NR. AF 19(604)-2673
PROJ/TASK NR. 5620

AFCRC-TN-59-150
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS MAR 5 1959
BY AFFLECK J H
DDC NR. 212074
CONTRACT NR. AF 19(604)-4093
PROJ/TASK NR. 4156-46310

AFCRC-TN-59-151
BROWN UNIVERSITY
INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER SEMICONDUCTORS MARCH 1959
BY FARNSWORTH H E
HANEMAN D
MARCH J B
DDC NR. 212075
CONTRACT NR. AF 19(604)-1952
PROJ/TASK NR. 4156-46210

AFCRC-TN-59-152
NEW YORK UNIVERSITY
EXPERIMENTAL NULL-ZONE RECEPTION SYSTEMS JAN 15 1958 TO JAN 14 1959
BY HOFFMAN D
DDC NR. 212259
CONTRACT NR. AF 19(604)-1966
PROJ/TASK NR. 4602-2
PROJ/TASK NR. 4609

AFCRC-TN-59-153
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A NOTE ON LEAST-SQUARE CIRCLES MAR 59
BY URBANO R H
MATTSON H F
DDC NR. 212461
CONTRACT NR.
PROJ/TASK NR. 5632-1

AFCRC-TN-59-154
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
INTERPRETIVE ROUTINE FOR COMPLEX NUMBERS MAR 59
BY URBANO R H
DDC NR. 212462
CONTRACT NR.
PROJ/TASK NR. 5632-1

AFCRC-TN-59-155
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
INTERPRETIVE FOR QUADRUPLE-PRECISION NUMBERS MAR 59
BY SHERRY E N
DDC NR. 212463
CONTRACT NR.
PROJ/TASK NR. 5632-1

AFCRC-TN-59-156
NEW YORK UNIVERSITY
EXCITATION AND PROPAGATION OF SURFACE WAVES FEB 1959
BY KELLER J B
KARAL JR F C
DDC NR. 212464
CONTRACT NR. AF 19(604)-1717
PROJ/TASK NR. 5630-46010
PROJ/TASK NR. 6268-56300

AFCRC-TN-59-157
MINNESOTA, UNIVERSITY OF
STUDIES ON BASE NICKELS FOR OXIDE COATED CATHODES FEB 16 59
BY SHEPHERD, W G
DDC NR. 211469
CONTRACT NR. AF 19(604)-3890
PROJ/TASK NR. 5630-7

AFCRC-TR-59-158
NATIONAL BUREAU OF STANDARDS
OXIDE COATED CATHODE SUBLIMATION STUDIES FEB 6 1959
BY BRUSE G P — DDC NR. 211668 — CONTRACT NR. AFCRC-58-5 — PROJ/TASK NR. 6156-66510

AFCRC-TR-59-159
STANFORD RESEARCH INSTITUTE
PRELIMINARY 106.1-MC METEORIC SCATTER EXPERIMENT STANFORD CALIFORNIA TO BOZEMAN MONTANA FEB 1959
BY VICKERY W B — DDC NR. 212710 — CONTRACT NR. AF 19(604)-1917 — PROJ/TASK NR. 4601-9-66097
BOTH I — CONTRACT NR. AF 19(604)-1996
HOWARD, W P

AFCRC-TR-59-160
NEW YORK UNIVERSITY
SOME SPECTRAL PROPERTIES OF WEIGHTED RANDOM PROCESSES MAR 1959
BY SHAPIRO H S — DDC NR. 212027 — CONTRACT NR. AF 19(604)-1717 — PROJ/TASK NR. 5630-66010 — PROJ/TASK NR. 6260-56300
SILVERMAN R A

AFCRC-TR-59-161
AVCO MANUFACTURING CORPORATION
POLAR FS APR 1959
(REPR FR JOURN OF GEOPHYSICAL RESEARCH VOL 65 #6)
BY PFEFFERBY R — DDC NR. 215006 — CONTRACT NR. AF 19(604)-4092 — PROJ/TASK NR. 5630-2
CORONITI S C

AFCRC-TR-59-162
CASE INSTITUTE OF TECHNOLOGY
CONFORMAL MAPPING SOLUTION FOR EQUIVALENT RELATIVE PERMITTIVITY OF AN ARTIFICIAL STRIP DIELECTRIC MEDIUM JAN 19 1959
BY KOLETTIS N — DDC NR. 213007 — CONTRACT NR. AF 19(604)-5007 — PROJ/TASK NR. 4600-66017

AFCRC-TR-59-163
POLYTECHNIC INSTITUTE OF BROOKLYN
THE DIELECTRIC CONSTANT OF LIQUIDS FEB 26 59
BY ISHIMARU, A — DDC NR. 213098 — CONTRACT NR. AF 19(604)-4161 — PROJ/TASK NR. 5630

AFCRC-TR-59-164
PHYSICAL LABORATORIES THE UNIVERSITY ENGLAND
A NEW MODEL FOR THE ENERGY TRANSPORT IN ELECTROMAGNETIC FIELDS JAN 1959
BY WALF F — DDC NR. 212236 — CONTRACT NR. AF 61(052)-164 — PROJ/TASK NR. 5631

AFCRC-TR-59-165
DIEPWOOD CORPORATION
REGULAR SIMPLEX CODING JAN 2 1959
BY BASORY B L — DDC NR. 213609 — CONTRACT NR. AF 19(604)-4078 — PROJ/TASK NR. 4609-1

AFCRC-TR-59-166
NEW YORK UNIVERSITY
TWO DIMENSIONAL GREENS FUNCTION FOR A RIGHT ANGLED WEDGE UNDER AN IMPEDANCE BOUNDARY CONDITION MAR 1959
BY KARP S N — DDC NR. 213608 — CONTRACT NR. AF 19(604)-1717 — PROJ/TASK NR. 6260-66010 — PROJ/TASK NR. 5630-56300

AFCRC-TR-59-167
STANFORD RESEARCH INSTITUTE
DESIGN DATA FOR ANTENNA-MULTICOUPLER SYSTEMS MAR 1959
BY COHN S B — DDC NR. 213610 — CONTRACT NR. AF 19(604)-2267 — PROJ/TASK NR. 4600-66016
MARTIN J A

AFCRC-TR-59-168
STANFORD UNIVERSITY
BASIC MICROWAVE RESEARCH MAR 1959
BY CHODOROW M — DDC NR. 213051 — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 6156-66509

AFCRC-TR-59-169
HARVARD UNIVERSITY
INITIAL PERMEABILITY SPECTRA IN FERRITES AND GARNETS APR 1 59
BY PIPPIN, J F — DDC NR. 214612 — CONTRACT NR. AF 19(604)-1004 — PROJ/TASK NR. 4600-1
HOGAN, C L

AFCRC-TR-59-170
WASHINGTON UNIVERSITY OF
ANALYSIS AND SYNTHESIS OF RADIATION PATTERN FOR THE TRAVELLING WAVE TYPE SOURCES ON A CIRCULAR APERTURE MAR 59
BY ISHIMARU, A — DDC NR. 214613 — CONTRACT NR. AF 19(604)-4098 — PROJ/TASK NR. 5630
HELD, G

AFCRC-TR-59-171
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A NOTE ON OPTIMAL VOCAL FREQUENCY MAR 1959
(REPR FR THE JOURN OF SPEECH AND HEARING RESEARCH VOL 2 #1)
BY HOUSE A S — DDC NR. 214614 — CONTRACT NR. AF 19(604)-2061 — PROJ/TASK NR. 4603-66021

AFCRC-TR-59-172
BROWN UNIVERSITY
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF SILICON-CARBIDE SURFACES APR 1959
BY DILLON JR J A — DDC NR. 214611 — CONTRACT NR. AF 19(604)-4060 — PROJ/TASK NR. 5621-7
GRAN R W

AFCRC-TR-59-173
RADIO CORPORATION OF AMERICA
DESIGN AND STUDY OF CORRELATION INSTRUMENTATION FOR SPEECH ANALYSIS AND SYNTHESIS MAR 01 1959
BY BUSCHECK, G J — DDC NR. 214615 — CONTRACT NR. AF 19(604)-6128 — PROJ/TASK NR. 4650
JACOBY, G P
PUTZRATH, P L

AFCRC-TR-59-174
COLUMBIA UNIVERSITY
NONPARAMETRIC METHODS FOR THE DETECTION OF SIGNALS IN NOISE MAR 12 59
BY CAPON, J — DDC NR. 214589 — CONTRACT NR. AF 19(604)-6140 — PROJ/TASK NR. 5630-5

AFCRC-TR-59-175
POLYTECHNIC INSTITUTE OF BROOKLYN
THE LONG RISE TIMES ASSOCIATED WITH GASEOUS DETECTION OF MICROWAVES FEB 26 59
BY FARGO, M — DDC NR. 214590 — CONTRACT NR. AF 19(604)-6163 — PROJ/TASK NR. 5630
MENTZONI, M

AFCRC-TR-59-176
TEXAS UNIVERSITY OF
ANALYSIS TECHNIQUES INVOLVED IN A STUDY OF TURBULENCE SPECTRA BEAM THF GROUND MAR 31 59
BY BOSTICK, JR, F X — DDC NR. 214622 — CONTRACT NR. AF 19(604)-2249 — PROJ/TASK NR. 4603-2
SMITH, H W
MCCULLOUGH, C F

AFCRC-TR-59-177
NEW YORK UNIVERSITY
BOUNDARY LAYER PROBLEMS IN DIFFRACTION THEORY APR 59
BY BUCHAL, R N — DDC NR. 214569 — CONTRACT NR. AF 19(604)-5218 — PROJ/TASK NR. 5631
KELLER, J B

AFCRC-TR-59-178
POLYTECHNIC INSTITUTE OF BROOKLYN
EQUIVALENT CIRCUITS FOR SMALL SYMMETRICAL LONGITUDINAL APERTURES AND OBSTACLES MAR 6 59
BY OLINER, A A — DDC NR. 214641 — CONTRACT NR. AF 19(604)-2031 — PROJ/TASK NR. 4600-1

AFCRC-TR-59-179
AVCO MANUFACTURING
RESEARCH CONCERNING FORECASTING ANOMALOUS PROPAGATION AT HIGH LATITUDES APR 1959
BY CORONITI S C — DDC NR. 214642 — CONTRACT NR. AF 19(604)-4092 — PROJ/TASK NR. 5630-2
PFEFFERBY R

AFCRC-TR-59-180
ALASKA, UNIVERSITY OF
THE HEIGHT OF F-LAYER IRREGULARITIES IN THE ARCTIC IONOSPHERE MAR 59
BY BATES, H F — DDC NR. 214643 — CONTRACT NR. AF 19(604)-1859 — PROJ/TASK NR. 4603-5

AFCRC-TR-59-181
MICROWAVE ENGINEERING LABORATORIES, INC.
RESEARCH AND DEVELOPMENT OF SOLID STATE PARAMAGNETIC MASER APR 9 1959
BY VARTABIAN, P H — DDC NR. 214642 — CONTRACT NR. AF 19(604)-6071 — PROJ/TASK NR. 5620-5

AFCRC-TR-59-182
MELLON INSTITUTE
HIGH TEMPERATURE PRINTED CIRCUITRY OCT 1958 THRU DEC 31 58
BY YOUNG, G H — DDC NR. 214644 — CONTRACT NR. AF 19(604)-1959 — PROJ/TASK NR. 6156-66210
WILDERS, C H T
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HALLER, H H
SPOFFEA, B L
MAZENKO, J J
LESKO, J
PRENDRICK, JR, F H

AFCRC-TR-59-183
STANFORD RESEARCH INSTITUTE
SRI SPERICS MONITORING SYSTEM MAR 1959
BY GODDARD E — DDC NR. 214647 — CONTRACT NR. AF 19(604)-2609 — PROJ/TASK NR. 4602

AFCRC-TR-59-184
KIRUNA GEOPHYSICAL OBSERVATORY ROYAL SWEDISH ACADEMY OF SCI
REPORT ON AND INTERPRETATION OF STRONG IONIZATION IN THE LOWER IONOSPHERE OCCURRING IN HIGH LATITUDES WITHIN A FEW HOURS AFTER SOME SOLAR FLARES FEB 1 1959
BY MALTQVIST B — DDC NR. 214646 — CONTRACT NR. AF 61(514)-1314 — PROJ/TASK NR. 4601
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AFCRC-TR-59-185
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
COAXIAL CAPACITOR CIRCUITS WITH EXTREMELY SMALL INDUCTANCE MAY 59
BY FISCHER, H — DDC NR. 215002 — CONTRACT NR. — PROJ/TASK NR. 4634

AFCRC-TR-59-186
MICROWAVE ENGINEERING LABORATORIES, INC.
TRANSITION PROBABILITIES INDUCED BY PLANE POLARIZED ELECTROMAGNETIC RADIATION APR 15 1959
BY BURGESS, J H — DDC NR. 215003 — CONTRACT NR. AF 19(604)-6071 — PROJ/TASK NR. 5620-5

AFCRC-TN-59-187
NEW YORK, UNIVERSITY
BOUNDS ON THE ELEMENTS OF THE EQUIVALENT NETWORK FOR SCATTERING IN WAVEGUIDES. I. THEORY APR 59
BY SPRUCH, L — DDC NO. 215064
BARTRAM, R — CONTRACT NO. AF 19(604)-5298
PROJ/TASK NO. 5611

AFCRC-TN-59-188
NEW YORK UNIVERSITY
BOUNDS ON THE ELEMENTS OF THE EQUIVALENT NETWORK FOR SCATTERING IN WAVEGUIDES. II. APPLICATION TO DIELECTRIC OBSTACLES APR 59
BY BARTRAM, R — DDC NO. 215114
SPRUCH, L — CONTRACT NO. AF 19(604)-5298
PROJ/TASK NO. 5611

AFCRC-TN-59-189
NEW YORK UNIVERSITY
DIFFRACTION BY A SPHEROID MAR 59
BY LEVY, BR — DDC NO. 215375
KELLER, J B — CONTRACT NO. AF 19(604)-1717
PROJ/TASK NO. 6268-66010
PROJ/TASK NO. 5630

AFCRC-TN-59-190
NEW YORK UNIVERSITY
RESEARCH ON THE PREPARATION OF PURE METALS SEP 15 DEC 14 58
BY MARSEL, C J — DDC NO. 215620
BREWER, W — CONTRACT NO. AF 19(604)-6124
PROJ/TASK NO. 5620-6

AFCRC-TN-59-191
PICKARD & BURNS INCORPORATED
THE IMPROVEMENT OF SIGNAL-TO-NOISE RATIOS OF THE CODI EQUIPMENT APR 58 1959
BY KOSTECKI W — DDC NO. 215623
CONTRACT NO. AF 19(604)-1502
PROJ/TASK NO. 4609-9

AFCRC-TN-59-192
CASE INSTITUTE OF TECHNOLOGY
HIGHER ORDER MODE PROPERTIES OF AN ARRAY OF PARALLEL METALLIC PLATES APR 29 1959
BY COLLIN R E — DDC NO. 215629
CONTRACT NO. AF 19(604)-3007
PROJ/TASK NO. 4600-46017

AFCRC-TN-59-193
TEXAS UNIVERSITY OF
A PRELIMINARY CLIMATOLOGY OF REFRACTIVE INDEX LAYER CHARACTERISTICS IN SOUTHERN CALIFORNIA COASTAL AREAS MAY 29 1959
BY WAGNER N E — DDC NO. 215826
CONTRACT NO. AF 19(604)-2269
PROJ/TASK NO. 4609

AFCRC-TN-59-194
SYLVANIA RESEARCH LABORATORIES
INFRARED SCATTERING STUDY MAY 1 59
BY SCHNUTTE, G H — DDC NO. 215829
CONTRACT NO. AF 19(604)-5602
PROJ/TASK NO. 5620-2

AFCRC-TN-59-195
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS APR 1959
BY MORDA, J S — DDC NO. 215828
SHARP, F D — CONTRACT NO. AF 19(604)-2260
WHERE, P M — PROJ/TASK NO. 4560-46512

AFCRC-TN-59-196
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS MAR 1959
BY JONES, E M T — DDC NO. 215827
MORDA, J S — CONTRACT NO. AF 19(604)-2260
PROJ/TASK NO. 4560-46512

AFCRC-TN-59-197
NEW YORK UNIVERSITY
GENERALIZATION OF SHANNON-FEINSTEIN THEOREM TO COMMUNICATION SYSTEMS WITH FADING AND FEEDBACK APR 30 1959
BY CHANG, S S L — DDC NO. 215937
HARRIS, B — CONTRACT NO. AF 19(604)-1964
SCHWARTZ, L S — PROJ/TASK NO. 4602-2

AFCRC-TN-59-198
TRANSISTOR APPLICATIONS, INC.
INVESTIGATION OF THE APPLICATIONS OF NEGATIVE RESISTANCE DIODES FOR SWITCHING CIRCUITS APR 1959
BY CARLSON, A W — DDC NO. 216101
SCHWARTZ, S — CONTRACT NO. AF 19(604)-3066
MESSINA, V — PROJ/TASK NO. 4156-46210

AFCRC-TN-59-199
STANFORD UNIVERSITY
THE LAGRANGIAN AND THE ENERGY MOMENTUM TENSORS IN THE PERTURBATION THEORY OF CLASSICAL ELECTRODYNAMICS MAY 1959
BY CHU, F L — DDC NO. 216104
CONTRACT NO. AF 19(604)-1930
PROJ/TASK NO. 4156-46509

AFCRC-TN-59-200
CAMBRIDGE RESEARCH LABORATORIES(CRL-HOUSE)
OBSERVATIONS ON NICKEL-BEARING COSMIC DUST COLLECTED IN THE STRATOSPHERE MAR 1959
BY YAGODA H — DDC NO. 212622
CONTRACT NO.
PROJ/TASK NO. 8600

AFCRC-TN-59-201
CAMBRIDGE RESEARCH LABORATORIES(CRL-HOUSE)
RADIOACTIVE AGGREGATES IN THE STRATOSPHERE MAR 1959
BY YAGODA H — DDC NO. 212623
CONTRACT NO.
PROJ/TASK NO. 8609

AFCRC-TN-59-2016
CAMBRIDGE RESEARCH LABORATORIES(CRL-HOUSE)
<U> ESTIMATING SOIL MOISTURE AND TRACTIONABILITY CONDITIONS FOR STRATEGIC PLANNING PART A AVERAGE SOIL MOISTURE AND TRACTIONABILITY CONDITIONS IN YUGOSLAVIA CONFIDENTIAL
MAR 1959
BY CARTER D B — DDC NO. 909192
HOLTZEUS C F — CONTRACT NO.
PROJ/TASK NO.

AFCRC-TN-59-202
STANFORD UNIVERSITY
REDUCTION AND PROCESSING OF F-LAYER PROPAGATION DATA DEC 15 1958
BY LA TOURRETTE P M — DDC NO.
CONTRACT NO. AF 19(604)-1830
PROJ/TASK NO. 7661-1

AFCRC-TN-59-203
PENNSYLVANIA STATE UNIVERSITY
IONOSPHERIC EFFECTS OF SOLAR FLARES I. EVALUATION OF EXPERIMENTAL DATA OCT 15 1958
BY MITRA A P — DDC NO. 210316
CONTRACT NO. AF 19(604)-5079
PROJ/TASK NO.

AFCRC-TN-59-204
SASKATCHEWAN, UNIVERSITY OF
INFRA-RED SPECTRUM OF THE NIGHT AIRGLOW FROM 1.0 TO 4.0 1959 1959
ATMOS & TERRES PHYS 16 240-251 1959
BY GIBSON, J F — DDC NO. 212930
HARRISON, A W — CONTRACT NO. AF 19(604)-1851
PROJ/TASK NO. 7661

AFCRC-TN-59-205
SASKATCHEWAN, UNIVERSITY OF
RATIO OF SODIUM TO POTASSIUM IN THE UPPER ATMOSPHERE 1959
J ATMOS & TERRES PHYS 16 256-265, 1959
BY LYTLE, E A — DDC NO. 212961
HUNTEN, D M — CONTRACT NO. AF 19(604)-1851
PROJ/TASK NO. 7661

AFCRC-TN-59-206
WOODS HOLE OCEANOGRAPHIC INSTITUTION
GRAVITY MEASUREMENTS IN ALASKA DEC 1958
BY THIEL E — DDC NO.
BONINI W E — CONTRACT NO. AF 19(604)-2157
OSTERSO N — PROJ/TASK NO. 7600-76000
WORZEL J L
WOOLLARD G P

AFCRC-TN-59-207
CHICAGO UNIVERSITY OF
RESONANCE SCATTERING BY ATMOSPHERIC SODIUM-VI THE ANALYTIC SOLUTION FOR THE TWILIGHT INTENSITY 1958
REPR FR JOURN OF ATMOS & TERRES PHYSICS
VOL 13 NOS 1/2 PP 99-106
BY BRANDT J C — DDC NO.
CONTRACT NO. AF 19(604)-3044
PROJ/TASK NO.

AFCRC-TN-59-208
CHICAGO UNI ITY OF
OXYGEN BE NES IN THE AIRGLOW III THE DAYGLOW NOV 1958
REPR FR THE ASTROPHYSICAL JOURN VOL 129 #3
BY BRANDT J C — DDC NO.
CONTRACT NO. AF 19(604)-3044
PROJ/TASK NO.

AFCRC-TN-59-209
CHICAGO UNIVERSITY OF
THE BLUE AIRGLOW SPECTRUM NOV 1958
BY CHAMBERLAIN J W — DDC NO.
CONTRACT NO. AF 19(604)-3044
PROJ/TASK NO.

AFCRC-TN-59-210
CHICAGO, UNIVERSITY OF
TYPE-B AURORA IN THE ANTARCTIC 1959
REPR, FR, JOURN, OF ATMOSPHERIC AND TERRESTRIAL PHYSICS V 16 01/2 PP 99-66
BY MALVILLE J M — DDC NO.
CONTRACT NO. AF 19(604)-3044

AFCRC-TN-59-211
CHICAGO UNIVERSITY OF
PHOTOMETRY OF I G Y PATROL SPECTRA NOV 6 1958
BY CHAMBERLAIN J W — DDC NO.
PESCH V — CONTRACT NO. AF 19(604)-3044
PROJ/TASK NO.

AFCRC-TN-59-212
IN ERMOUNTAIN WEATHER INCORPORATED
THE LONG WAVE FLUX DENSITY LEAVING THE EARTH UNDER VARIOUS METEOROLOGICAL CONDITIONS
BY HALES W J — DDC NO. 212952
ZDUNKOWSKI W G — CONTRACT NO. AF 19(604)-2618
PROJ/TASK NO.

AFCRC-TN-59-214
CHICAGO UNIVERSITY OF
ON THE BEHAVIOR PATTERNS OF CYCLONES AND ANTICYCLONES AS RELATED TO ZONAL INDEX MAR 1958
REPR FR BULLETIN OF THE AMER METEOR SOC VOL 39 #3 PP 149-151
BY BRADBURY D — DDC NO.
CONTRACT NO. AF 19(604)-1295
PROJ/TASK NO.

AFCRC-TN-59-215
CAMBRIDGE RESEARCH LABORATORIES (CRL-HOUSE)
PHOTOGRAPHIC SATELLITE POSITION DETERMINATION
PROJECT SPACE TRACK FEB 1 1959
BY DIETZE R W — DDC NO. 209960
CONTRACT NO.
PROJ/TASK NO.

AFCRC-TN-59-216
SOUTHERN CALIFORNIA UNIVERSITY OF
PHOTOIONIZATION ANALYSIS BY MASS SPECTROSCOPY AUG 1 1958
BY WEISSLER G L — DDC NR. —
SAMSON J A R — CONTRACT NR. AF 19(604)-2069
OGAWA M — PROJ/TASK NR. 7639-1
COOK G R

AFCRC-TN-59-218
PUERTO RICO UNIVERSITY OF
IONOSPHERIC DRIFTS IN PUERTO RICO OBTAINED BY THE METHOD OF ANALYSIS DEVELOPED IN NEUBERREISACH DEC 1958
BY HARNISCHMACHER F — DDC NR. —
CONTRACT NR. AF 19(604)-2036
PROJ/TASK NR. 7663-3

AFCRC-TN-59-219
ILLINOIS UNIVERSITY OF
PRESSURE AND TEMPERATURE VARIATION OF THE ELECTRON-ION RECOMBINATION AND COEFFICIENT IN NITROGEN SEP 1958
REPR FR JOURN OF GEOPHYSICAL RES VOL 63 #3
BY BIALECKE F P — DDC NR. 210239
DOUGAL A A — CONTRACT NR. AF 19(604)-340
PROJ/TASK NR.

AFCRC-TN-59-220
CHICAGO UNIVERSITY OF
COLLECTION OF REPRINTS- III FEB 2 1959
BY HARRINGTON P L — DDC NR. 211403
ACKERMAN B — CONTRACT NR. AF 19(604)-618
LODGE, JR., J P — CONTRACT NR. AF 19(604)-1388
BRAHAM JR R R — PROJ/TASK NR. 7641-1
BATTAN L J
TUFTS R J

AFCRC-TN-59-221
PENNSYLVANIA STATE UNIVERSITY
DIGITAL COMPUTER DETERMINATION OF LOW FREQUENCY POLARIZATION DEC 31 1958
BY FERRARO A J — DDC NR. 210687
CONTRACT NR. AF 19(604)-6565
PROJ/TASK NR.

AFCRC-TN-59-223
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
THE NEW THEORY OF GRAVIMETRIC GEODESY FEB 1959
BY HIRVONEN R A — DDC NR. 210295
CONTRACT NR. AF 19(604)-1961
CONTRACT NR. DA 33-019-ORD-2686
PROJ/TASK NR.

AFCRC-TN-59-224
COLORADO UNIVERSITY OF
AUDIO-FREQUENCY NOISE FIGURES OF PNP ALLOY-JUNCTION GERMANIUM TRANSISTORS JAN 1959
BY STUART P F — DDC NR. 210689
CONTRACT NR. AF 19(604)-1899
PROJ/TASK NR. 1114-76076

AFCRC-TN-59-225
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
COMMENTS ON THE PARAMETRIDES AND CONSTANTS FOR A SOLAR ECLIPSE(WITH AN ECLIPSE BIBLIOGRAPHY APPENDED) MAY 1959
BY CAMERON R C — DDC NR. 215116
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-59-2261
HARVARD UNIVERSITY
ABSOLUTE CROSS SECTIONS FOR EXCITATION OF NITROGEN BY PROTONS OF A FEW KEV ENERGY FEB 15 1958
(REPR FR THE PHYSICAL REVIEW VOL 109 NO 4 1159-1165)
BY CARLETON N P — DDC NR. 210925
LAWRENCE T R — CONTRACT NR. AF 19(604)-1041
PROJ/TASK NR. 7639-6

AFCRC-TN-59-2265
HARVARD UNIVERSITY
LOW PRESSURE DISCHARGES EMITTING LIGHT OF MINIMUM NOISE NOV 1957
(REPR FR JOURN OF THE OPTICAL SOC OF AMER VOL 47 NO 11 985-986)
OLDENBERG O — CONTRACT NR. AF 19(604)-1041
PROJ/TASK NR. 7639-6

AFCRC-TN-59-2267
HARVARD UNIVERSITY
TRENDS IN LABORATORY RESEARCH RELATED TO AERONOMY APRIL - JUNE 1958
(EXTRAIT DES ANNALES DE GEOPHYSIQUE TOME 14 #2)
BY OLDENBERG O — DDC NR. 2109251
CONTRACT NR. AF 19(604)-1041
PROJ/TASK NR. 7639-6

AFCRC-TN-59-2268
HARVARD UNIVERSITY
A SHORT DURATION AFTERGLOW OF NITROGEN SURVEY OF AFTERGLOWS (REPR FROM PLANET SPACE SCI PERGAMON PRESS VOL 1 PP 60-62)
BY OLDENBERG O — DDC NR. 2109250
CONTRACT NR. AF 19(604)-1041
PROJ/TASK NR. 7639-6

AFCRC-TN-59-2269
HARVARD UNIVERSITY
THE 9 SIGMA LEVEL OF THE NITROGEN MOLECULE 1959
BY OLDENBERG O — DDC NR. 2109259
CONTRACT NR. AF 19(604)-1041
PROJ/TASK NR. 7639-6

AFCRC-TN-59-227
NEW YORK UNIVERSITY
ASYMPTOTIC SOLUTION OF EIGENVALUE PROBLEMS FEB 1959
BY RUBINOW S I — DDC NR. 210926
KELLER J B — CONTRACT NR. AF 19(604)-6999
PROJ/TASK NR.

AFCRC-TN-59-227
BRITISH COLUMBIA UNIVERSITY OF
THE IONIZATION AND DISSOCIATION OF OXYGEN BY ELECTRON IMPACT 1958
REPR, FR , THE JOURN. OF AMER. CHEMICAL SOC., 80, 6183 1958
BY PROST, D C — DDC NR. 210927
MCDOWELL, C A — CONTRACT NR. AF 19(604)-2275
PROJ/TASK NR.

AFCRC-TN-59-229
COLORADO UNIVERSITY OF
OBSERVING PLANS FOR OCTOBER5 ECLIPSE MAY 1959
REPR FR SKY AND TELESCOPE VOL XVII NOS 8 AND 9
BY LOW B J — DDC NR. 210928
CONTRACT NR. AF 19(604)-2053
PROJ/TASK NR. 7669-1

AFCRC-TN-59-230
COLORADO UNIVERSITY OF
SOURCE FUNCTION IN A NON-EQUILIBRIUM ATMOSPHERE II DEPTH DEPENDENCE OF SOURCE FUNCTION FOR RESONANCE AND STRONG SUBORDINATE LINES MAR 1959
REPR FR THE ASTROPHYSICAL JOURN V 127 #3
BY JEFFERIES J T — DDC NR. 210929
THOMAS R N — CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7669-6

AFCRC-TN-59-231
COLORADO UNIVERSITY OF
THERMAL DIFFUSION IN IONIZED GASES 1959
REPR FR PROCEEDINGS OF THE PHYSICAL SOCIETY VLXXIII P 353
BY CHAPMAN S — DDC NR. 210930
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7669-6

AFCRC-TN-59-232
COLORADO UNIVERSITY OF
THE SOLAR ULTRAVIOLET SPECTRUM OF HF II MAR 1959
REPR FR THE ASTROPHYSICAL JOURN V 128 #2
BY ATHAY R G — DDC NR. 210931
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7669-6

AFCRC-TN-59-233
COLORADO UNIVERSITY OF
THE CALCULATIONS OF OPACITIES FOR STELLAR INTERIORS SEP 1958
REPR FR THE ASTROPHYSICAL JOURN V 128 #2
BY ZIRIN H — DDC NR. 210932
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7669-6

AFCRC-TN-59-236
COLORADO UNIVERSITY OF
ATMOSPHERIC CHEMISTRY AND CHEMICAL AERONOMY 1958
REPR FR METEOROLOGICAL MAGAZINE V 87 PP 275-277
BY CHAPMAN S — DDC NR. 210933
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7669-6

AFCRC-TN-59-238
NEW YORK UNIVERSITY
THE WIND AND TEMPERATURE SPECTRA OF THE UPPER TROPOSPHERE AND LOWER STRATOSPHERE OVER NORTH AMERICA FEB 1959
BY CHIU WAN-CHENG — DDC NR. 211108
CONTRACT NR. AF 19(604)-1795
PROJ/TASK NR. 7691-1

AFCRC-TN-59-236
NEW YORK UNIVERSITY
THE RELATION BETWEEN GEOMAGNETIC VARIATIONS AND THE CIRCULATION OF 100 MB FEB 1959
BY LONDON J — DDC NR. 211109
RUFF I — CONTRACT NR. AF 19(604)-2138
TICK L — PROJ/TASK NR. 7691-1

AFCRC-TN-59-237
MICHIGAN UNIVERSITY OF
HIGH RESOLUTION ELECTRIC FIELD INDUCED INFRARED ABSORPTION SPECTRA OF H2 AND D2 JAN 59
BY CHURCH, C H — DDC NR. 211110
CONTRACT NR. AF 19(604)-2071
PROJ/TASK NR. 7676-76752

AFCRC-TN-59-239
NEW YORK UNIVERSITY
EFFECTIVE TWO-BODY METHOD FOR TWO-ELECTRON ATOMS FEB 1959
BY RUBINOW S I — DDC NR. 211159
CONTRACT NR. AF 19(604)-6999
PROJ/TASK NR.

AFCRC-TN-59-240
CHICAGO UNIVERSITY O
MOISTURE ANALYSIS AND WATER BUDGET IN THREE DIFFERENT TYPES OF STORMS DEC 1957
REPR FR JOURN OF METEOR V 16 #6 PP 550-564
BY BRADBURY D L — DDC NR. 211210
CONTRACT NR. AF 19(604)-1209
PROJ/TASK NR.

AFCRC-TN-59-241
CALIFORNIA, UNIVERSITY OF
BLUE NITRIC OXIDE AFTERGLOW SEP 58
BY BARTH, C A — DDC NR.
SCHADE, W J — CONTRACT NR. AF 19(604)-2143
KAPLAN, J — PROJ/TASK NR. 7661-76697

AFCRC-TN-59-242
SPERRY GYROSCOPE COMPANY
ENGINEERING REPORT ON SELF-BRIEFING WEATHER FACILITY FOR SYSTEM 699L JAN 59
BY TEFFEINSEN, O B — DDC NR.
BRADLEY, W E — CONTRACT NR. AF 19(604)-6130
PROJ/TASK NR.

AFCRC-TN-59-243
HARVARD COLLEGE OBSERVATORY
HIGH-RESOLUTION PLANET-TARY PHOTOGRAPHY WITH A BALLOON-BORNE 1 1959
BY DE VAUCOULEURS G — DDC NR. 211680
CONTRACT NR. AF 19(604)-3076
PROJ/TASK NR.

AFCRC-TN-59-244
COLORADO UNIVERSITY OF
SOME STUDIES OF THE UPPER ATMOSPHERE IN THE AURORAL ZONE
MAY 1959
EXTRAIT DES ANNALES DE GEOPHYSIQUE TOME 14 #4 OCT-DEC 1958
BY MATSUSHITA S — DDC NR. 211491 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649-4

AFCRC-TN-59-245
COLORADO UNIVERSITY OF
SPECTRA OF QUIESCENT AND LOOP PROMINENCES MAY 1959
REPR FR THE PUBLICATIONS OF THE ASTRONOMICAL SOC OF THE PACIFIC V 70 #415 AUGUST 1958
BY ZIRIN H; WATSON K; CURTIS G W — DDC NR. 211492 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649-4

AFCRC-TN-59-248
NEW YORK UNIVERSITY
NON-ADIABATIC TREATMENT OF ELASTIC SCATTERING OF ELECTRONS BY ATOMIC HYDROGEN JAN 1959
BY OMIDVAR K — DDC NR. 211495 — CONTRACT NR. AF 19(604)-4555 — PROJ/TASK NR.

AFCRC-TN-59-251
MICHIGAN UNIVERSITY OF
THEORETICAL CONSIDERATIONS IN DESIGN OF AN IONOSPHERIC PROBE FEB 1959
BY BOGGESS R L — DDC NR. 211927 — CONTRACT NR. AF 19(604)-1843 — PROJ/TASK NR. 7663-2

AFCRC-TN-59-252
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
NUMERICAL EXPERIMENTS IN FORECASTING AIR AND SOIL TEMPERATURE PROFILES JULY 59
BY STEVENS, D W — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7655-1

AFCRC-TN-59-252
NEW YORK UNIVERSITY
THE APPLICATION OF WAVE FUNCTIONS CONTAINING INTERELECTRON COORDINATES. I. THE GROUND STATE ENERGY OF LITHIUM APR 1959
BY WALSH, P; BOROWITZ, S — DDC NR. 217189 — CONTRACT NR. AF 19(604)-4555 — PROJ/TASK NR.

AFCRC-TN-59-253
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SOME NOTES ON THE CORRELATION COEFFICIENT MAY 1959
BY SILVERMAN S M — DDC NR. 216105 — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TN-59-254
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE APPLICATION OF PRESSURE-AVERAGED FLOW TO THE PROBLEM OF HURRICANE DISPLACEMENT FEB 1959
BY SANDERS F — DDC NR. 212263 — CONTRACT NR. AF 19(604)-1305 — PROJ/TASK NR. 7612-5

AFCRC-TN-59-255
NEW YORK UNIVERSITY
PROPAGATION OF WEAK HYDROMAGNETIC DISCONTINUITIES MAR 1959
BY RAZER J; FLEISCHMAN O — DDC NR. 212264 — CONTRACT NR. AF 19(604)-2138 — PROJ/TASK NR. 7601-4

AFCRC-TN-59-256
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROCEEDINGS OF THE FIRST ANNUAL ARCTIC PLANNING SESSION NOVEMBER 1958 APR 1959
BY HARTSHORN J H — DDC NR. 212265 — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TN-59-257
ALLIED RESEARCH ASSOCIATES INCORPORATED
DESIGN OF AN EXPERIMENT TO EVALUATE RADAR AS A TOOL FOR SHORT RANGE FORECASTING MAR 24 1959
BY BOUCHER R J; WEXLER R — DDC NR. 212554 — CONTRACT NR. AF 19(604)-3881 — PROJ/TASK NR.

AFCRC-TN-59-258
FLORIDA STATE UNIVERSITY
A PREDICTION AND DECISION METHOD FOR APPLIED METEOROLOGY AND CLIMATOLOGY BASED PARTLY ON THE THEORY OF GAMES JUN 1 1959
BY GLEESON T A — DDC NR. 212555 — CONTRACT NR. AF 19(604)-4986 — PROJ/TASK NR.

AFCRC-TN-59-259
NEW YORK UNIVERSITY OF
LOW ENERGY SCATTERING BY A COMPOUND SYSTEM POSITRONS ON HYDROGEN FEB 1959
BY SPRUCH L; ROSENBERG L — DDC NR. 212556 — CONTRACT NR. AF 19(604)-4555 — PROJ/TASK NR.

AFCRC-TN-59-260
CHICAGO UNIVERSITY OF
ON SOME WEATHER INFLUENCES DUE TO WARMING OF THE AIR BY THE GREAT LAKES IN WINTER FEB 1959
BY CALABRESE P A; PETTERSSEN, S — DDC NR. 212557 — CONTRACT NR. AF 19(604)-2179 — PROJ/TASK NR. 7612

AFCRC-TN-59-261
AF CAMBRIDGE RESEARCH LABORATORIES
(U) PROCEEDINGS OF MILITARY GEODESY SEMINAR, DECEMBER 1958. AIR FORCE CAMBRIDGE RESEARCH CENTER, APRIL 1959. SECRET
BY WILLIAMS, O. W. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7600

AFCRC-TN-59-262
WARNER & SWASEY CO
INFRARED SPECTRAL EMISSIVITIES AND INTERNAL ENERGY DISTRIBUTION OF CARBON DIOXIDE AT HIGH TEMPERATURES PART I INTERNAL ENERGY CALCULATIONS DEC 1958
BY TOURIN R H; HENRY P M — DDC NR. 212069 — CONTRACT NR. AF 19(604)-2223 — PROJ/TASK NR. 7670-2

AFCRC-TN-59-263
CHICAGO UNIVERSITY OF
INVESTIGATION OF COLD WAVES AT CHICAGO ILLINOIS MAR 1959
BY STEWART P G — DDC NR. 212970 — CONTRACT NR. AF 19(604)-2179 — PROJ/TASK NR. 7612

AFCRC-TN-59-264
ALLIED RESEARCH ASSOCIATES INC
SOME APPLICATIONS OF THE CAPPI TECHNIQUE OF RADAR PRESENTATION IN SYNOPTIC DIAGNOSIS AND RESEARCH MAR 30 1959
BY BOUCHER R J — DDC NR. 212971 — CONTRACT NR. AF 19(604)-5204 — PROJ/TASK NR.

AFCRC-TN-59-265
PENNSYLVANIA STATE UNIVERSITY
RELAXATION TIME OF THE IONOSPHERE APR 1 1959
BY MITRA A P — DDC NR. 213238 — CONTRACT NR. AF 19(604)-3875 — PROJ/TASK NR.

AFCRC-TN-59-266
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROCESSES FOR THE PRODUCTION AND REMOVAL OF ELECTRONS AND NEGATIVE IONS IN GASES JUNE 1959
BY SILVERMAN, S M — DDC NR. 216816 — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TN-59-267
HARVARD UNIVERSITY OBSERVATORY
THE FLARE OF SEPTEMBER 18 1957 APR 30 1959
BY JEFFERIES J T; SMITH E V P; SMITH H J — DDC NR. 213239 — CONTRACT NR. AF 19(604)-4961 — PROJ/TASK NR.

AFCRC-TN-59-268
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ACCURACY OF MEAN MONTHLY GEOSTROPHIC WIND VECTORS AS A FUNCTION OF STATION NETWORK DENSITY JUNE 1959
BY SALMELA, H A — DDC NR. 217034 — CONTRACT NR. — PROJ/TASK NR. 8624

AFCRC-TN-59-269
AERONUTRONIC SYSTEMS INC
USEFUL REPRESENTATIONS FOR LABORATORY BAND ABSORPTION MEASUREMENTS MAR 27 1959
BY PLASS G N — DDC NR. 213624 — CONTRACT NR. AF 19(604)-2166 — PROJ/TASK NR.

AFCRC-TN-59-270
LIEGE UNIVERSITY OF
THE(2,0) AND (3,1) BANDS OF THE RED SYSTEM OF CN FEB 59
BY GODFRIND N — DDC NR. — CONTRACT NR. AF 61(052)-24 — PROJ/TASK NR.

AFCRC-TN-59-271
OSLO UNIVERSITY OF
ON THE FEATURES OF STORM BURSTS IN THE 200 M C/S RANGE 1958
BY ELGAROY O; HAUGE O — DDC NR. 213626 — CONTRACT NR. AF 61(514)-1122 — PROJ/TASK NR. 7649-2

AFCRC-TN-59-273
LOWELL OBSERVATORY
TH. ALBEDOS AND PHASE VARIATIONS OF URANUS AND NEPTUNE AND THE SUN AS A VARIABLE STAR APR 1959
BY SINTON W M; JOHNSON H L; IRIARTE B — DDC NR. 213856 — CONTRACT NR. AF 19(604)-2077 — PROJ/TASK NR. 7649-1

AFCRC-TN-59-275
ALASKA UNIVERSITY OF
RAPID FLUCTUATIONS IN EARTH-CURRENTS AT COLLEGE JAN 1959
BY HESSLER V P; WESCOTT E M — DDC NR. 214618 — CONTRACT NR. AF 19(604)-3075 — PROJ/TASK NR.

AFCRC-TN-59-276
WEIZMANN INSTITUTE OF SCIENCE
OPTICAL DISPERSION OF GASES IN THE INFRARED JAN 13 1959
REPR FR THE JOURN OF CHEMICAL PHYSICS V 29 #3 675-676 SEPTEMBER 1958
BY JAFFE J H; HIRSCHFELD M A; KIMEL S — DDC NR. 214591 — CONTRACT NR. AF 61(052)-57 — PROJ/TASK NR.

AFCRC-TN-59-277
NEW HAMPSHIRE UNIVERSITY OF
VARIATIONS IN THE COSMIC-RAY NUCLEONIC INTENSITY DEC 1 1958
REPR FR THE PHYSICAL REVIEW V 112 #5 1750-1758
BY LOCKWOOD J A — DDC NR. 214570 — CONTRACT NR. AF 19(604)-4552 — PROJ/TASK NR.

AFCRC-TN-59-279
PENNSYLVANIA STATE UNIVERSITY
PRELIMINARY THEORY AND INTERPRETATION OF LONGWAVE SWEEP-FREQUENCY RECORDS FEB 1 1959
BY SECHRIST JR C F — DDC NR. 214090 — CONTRACT NR. AF 19(604)-3875 — PROJ/TASK NR.

AFCRC-TN-59-280
MARYLAND UNIVERSITY OF
LIFETIMES OF TRAPPED AURORAL RADIATION BELT PARTICLES
PART I EFFECT OF SCATTERING BY THE IONIZED COMPONENT OF THE
OUTER ATMOSPHERE MAR 1959
BY WENTWORTH R C DDC NR. 211166
MACDONALD W M CONTRACT NR. AF 19(604)-1861
SINGER S F PROJ/TASK NR.

AFCRC-TN-59-281
UPPSALA UNIVERSITY
LIGHTNING DISCHARGES IN RELATION TO WHISTLERS 1959
BY AHRNIUSER, H DDC NR.
CONTRACT NR. AF 61(052)-27
PROJ/TASK NR.

AFCRC-TN-59-284
CHICAGO UNIVERSITY OF
ON THE EXCITATION RATES AND INTENSITIES OF OH IN THE
AIRGLOW JUNE 59
REPR FR JOURN OF GEOPHYSICAL RESEARCH V 64 #3
BY CHAMBERLAIN J W DDC NR. 219300
SMITH C A CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

AFCRC-TN-59-285
CHICAGO, UNIVERSITY OF
SOLAR LYMAN-BETA FLUORESCENCE MECHANISM IN THE UPPER
ATMOSPHERE, JULY 59
(REPR, FR, THE ASTROPHYSICAL JOURN., V. 130, #1)
BY BRANDT J C, DDC NR. 219421
CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

AFCRC-TN-59-286
CHICAGO, UNIVERSITY OF
INTERPLANETARY GAS. I. HYDROGEN RADIATION IN THE NIGHT
SKY, SEP 59
(REPR, FR, THE ASTROPHYSICAL JOURN., V. 130, #2)
BY BRANDT J C, DDC NR. 219422
CHAMBERLAIN J W CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

AFCRC-TN-59-287
CHICAGO, UNIVERSITY OF
AN ANALYSIS OF A SPECTROGRAM OF THE AURORA OF 11
FEBRUARY 1958, IN THE WAVELENGTH RANGE 3710-6620 A, 1959
(REPR, FR, JOURN. OF ATMOSPHERIC AND TERRESTRIAL PHYSICS
V. 17, #1/2, PP. 46-49)
BY WALLACE L. DDC NR. 219423
CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

AFCRC-TN-59-288
COLORADO, UNIVERSITY OF
ON THE APPROPRIATE DAYTIME CONSTANCY OF THE ABSORPTION
OF RADIO WAVES IN THE LOWER IONOSPHERE, JULY 1959
REPR, FR, JOURN OF ATMOS. & TERRES. PHYSICS, 1958, V. 13,
PP. 86-89
BY CHAPMAN, S DDC NR. 219277
DAVIES, K CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7640-4

AFCRC-TN-59-289
COLORADO, UNIVERSITY OF
THE NUMBER OF SPICULES IN THE MIDDLE CHROMOSPHERE,
JULY 1959
REPR, FR, THE ASTROPHYSICAL JOURN., V. 129, #1, JAN 1959
BY ATHAY, R G DDC NR. 219278
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7640-4

AFCRC-TN-59-290
COLORADO, UNIVERSITY OF
THE EARTH AND ITS ENVIRONMENT JULY 1959
BY CHAPMAN, S DDC NR. 219279
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7640-4

AFCRC-TN-59-291
COLORADO, UNIVERSITY OF
H ALPHA AND D3 PROFILES IN CHROMOSPHERIC SPICULES , JULY
1959
EXTRAIT DES ANNALES D-ASTROPHYSIQUE, TOME 21, #2, MARS-
AVRIL 1958
BY ATHAY, R G DDC NR. 219280
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7640-4

AFCRC-TN-59-292
MCGILL UNIVERSITY
EXTRAPOLATION OF 29 MB HEIGHTS AND TEMPERATURES OVER NORTH
AMERICA NORTH OF 50° MAY 28 1959
ARCTIC METEOROLOGY RESEARCH GROUP PUBLICATION IN
METEOROLOGY #14
BY GRYNN S DDC NR. 219932
CONTRACT NR. AF 19(604)-3065
PROJ/TASK NR.

AFCRC-TN-59-293
NEW YORK UNIVERSITY
RELATIVISTIC COULOMB SCATTERING APRIL 1959
BY ROSEN, B DDC NR. 219933
CONTRACT NR. AF 19(604)-4999
PROJ/TASK NR.

AFCRC-TN-59-296
AMERICAN ROCKET SOCIETY
THE CORPUSCULAR RADIATION ENVIRONMENT OF THE EARTH 1959
PRESENTED AT THE ARS CONTROLLABLE STATTELLITES
CONFERENCE MIT APR 30-MAY 1 1959
BY SINGER S F DDC NR. 210512
CONTRACT NR. AF 19(604)-3061
PROJ/TASK NR.

AFCRC-TN-59-297
HARVARD UNIVERSITY
SOME SUNSPOT AND FLARE STATISTICS JUNE 1959
BY BELL, B DDC NR. 210513
GLAZER, H CONTRACT NR. AF 19(604)-6962
PROJ/TASK NR.

AFCRC-TN-59-298
HARVARD UNIVERSITY
THE DOPPLER WIDTHS OF SOLAR ABSORPTION LINES JUNE 1959
BY BELL, B DDC NR. 210514
MELTZER, A CONTRACT NR. AF 19(604)-6962
PROJ/TASK NR.

AFCRC-TN-59-299
CHICAGO UNIVERSITY OF
A METEOROLOGICAL COORDINATE SYSTEM IN WHICH THE EARTHS
SURFACE IS A COORDINATE SURFACE MAY 1959
BY SANGSTER W E DDC NR. 210515
CONTRACT NR. AF 19(604)-2179
PROJ/TASK NR. 7617

AFCRC-TN-59-350
POLYTECHNIC INSTITUTE OF BROOKLYN
DIFFRACTION OF SURFACE WAVES BY DIELECTRIC DISC MAY 6 59
BY ARBEL, F DDC NR. 210235
CONTRACT NR. AF 19(604)-6169
PROJ/TASK NR. 5610

AFCRC-TN-59-351
POLYTECHNIC INSTITUTE OF BROOKLYN
ON THE DISCONTINUITY PROBLEM AT THE INPUT TO AN ANISOTROPIC
WAVEGUIDE APR 20 59
BY RAFELSKI, A D DDC NR. 210236
CONTRACT NR. AF 19(604)-2051
PROJ/TASK NR. 4600-1

AFCRC-TN-59-352
NORTHEASTERN UNIVERSITY
CUMULATIVE RESEARCH IN STATISTICAL COMMUNICATION THEORY AND
RELIABILITY SECRET APR 15 THRU MAY 15 59
BY CHANG, S H DDC NR. 207080
KLEIN, R D CONTRACT NR. AF 19(604)-3059
LOE, W H PROJ/TASK NR. 4600-1
ROCHEFORT, J S

AFCRC-TN-59-353
NEW YORK UNIVERSITY
ALIAS-FREE SAMPLING OF RANDOM NOISE JUNE 59
BY SHAPIRO, H S DDC NR. 210560
SILVERMAN, R A CONTRACT NR. AF 19(604)-5230
PROJ/TASK NR. 5631

AFCRC-TN-59-356
BROWN UNIVERSITY
THE DIFFRACTION AND REFRACTION OF PLANE PULSES MAY 1959
BY PAPADOPOULOS, V M DDC NR. 210569
CONTRACT NR. AF 19(604)-6561
PROJ/TASK NR. 5631

AFCRC-TN-59-355
ALASKA, UNIVERSITY OF
AN INVESTIGATION OF WHISTLERS AND CHORUS AT HIGH
LATITUDES APR 59
BY POPE, J H DDC NR. 210522
CONTRACT NR. AF 19(604)-1859
PROJ/TASK NR. 4609-5

AFCRC-TN-59-356
STANFORD UNIVERSITY
SUMMARY OF ELECTRON VELOCITY SPECTROGRAPH PROJECT MAY 59
BY WILSON, P R DDC NR. 210521
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 6156-66309

AFCRC-TN-59-357
HARVARD UNIVERSITY
LINEAR ARRAYS CURRENTS IMPEDANCES AND FIELDS, I MAY 1 59
BY KING, R DDC NR. 217609
CONTRACT NR. AF 19(604)-6118
PROJ/TASK NR. 5631

AFCRC-TN-59-358
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS DEC 1
1958-FEB 28 1959
BY ROMBRAUGH, J M DDC NR. 210763
CONTRACT NR. AF 19(604)-2679
PROJ/TASK NR. 5620-5

AFCRC-TN-59-359
DALMO VICTOR COMPANY
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS TO DEVISE
METHODS FOR OBTAINING DYNAMIC PATTERN DATA FOR ANTENNA
SYSTEMS MAY 20 1959
BY THILLE, R W DDC NR. 210762
ANDREWS, C A CONTRACT NR. AF 19(604)-2637
PROJ/TASK NR. 4560-46313

AFCRC-TN-59-360
ITT LABORATORIES
RESEARCH ON GROWING CRYSTALS OF FERRIMAGNETIC OXIDES JULY
1959
BY HARTMAN, JR., A J DDC NR. 210817
CONTRACT NR. AF 19(604)-2761
PROJ/TASK NR. 6156-66210

AFCRC-TN-59-361
RCA SERVICE COMPANY
TEST AND EVALUATION OF THE CLOVERLEAF FIXED PATH TRAFFIC
CONTROL COMPUTER MAY 29 59
BY PETERSON, D G DDC NR. 217036
CONTRACT NR. AF 19(604)-1882
PROJ/TASK NR. 4693-2
PROJ/TASK NR. 4696-1

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AFCRC-TN-59-962
ILLINOIS, UNIVERSITY OF
SECONDARY ELECTRON MULTIPLICATION IN MICROWAVE FIELD
MAY 15 59
BY PARR FRANK FU DOC NR. 217859
CONTRACT NR. AF 19(604)-2152
PROJ/TASK NR. 4156-46910

AFCRC-TN-59-963
HUGHES AIRCRAFT COMPANY
CUB A STUDY OF AIRBORNE RADAR RECONNAISSANCE SYSTEMS SECRET
NOV 58
BY CHRISTMAN, J R DOC NR. 207687
RICHEY, R CONTRACT NR. AF 19(604)-2629
WILCOX, C M PROJ/TASK NR. 4600-7

AFCRC-TN-59-964
COLORADO, UNIVERSITY OF
PLARE-ASSOCIATED BURSTS AT 18 MC/S MAY 16 1959
BY WARWICK, C DOC NR. 217879
WARWICK, J W CONTRACT NR. AF 19(604)-3872
PROJ/TASK NR. 9630-2

AFCRC-TN-59-965
AVCO CORPORATION
SINGLE STATION AND SYNOPTIC ANALYSIS OF IONOSPHERIC DATA
FOR THE ARCTIC MAY 1959
BY HILL, G DOC NR. 217916
PENNDORF, R CONTRACT NR. AF 19(604)-6092
PROJ/TASK NR. 9630-2

AFCRC-TN-59-966
STANFORD UNIVERSITY
BASIC MICROWAVE RESEARCH JUNE 1959
BY CHODOROW, M DOC NR. 217939
CONTRACT NR. AF 19(604)-1950
PROJ/TASK NR. 4156-46909

AFCRC-TN-59-967
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE
COMBINATIONS JUNE 10 1959
BY APPLEBY, J M DOC NR. 217919
CONTRACT NR. AF 19(604)-6093
PROJ/TASK NR. 4156-46910

AFCRC-TN-59-968
FRANKLIN INSTITUTE
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS APR
15 59
BY DANFORTH, W E DOC NR.
GOLDWATER, D L CONTRACT NR. AF 19(604)-3904
HUNTER, R A PROJ/TASK NR. 4156-46910
STEVENS, L L
WYSE, R A

AFCRC-TN-59-969
SEATTLE UNIVERSITY
CONTINUOUSLY EXCITED TRAVELING WAVE ANTENNAS JUNE 59
BY GIAROLA, A J DOC NR. 217819
CONTRACT NR. AF 19(604)-6052
PROJ/TASK NR. 4600-7

AFCRC-TN-59-971
BELL TELEPHONE LABORATORIES, INC.
OCCUPANCY THEORY WITH APPLICATION TO MULTI-CHANNEL
COMMUNICATION SYSTEMS A CORRECTION JUNE 1959
BY RILEY, J A DOC NR. 217817
CONTRACT NR. AF 19(604)-3471
PROJ/TASK NR. 9630-5

AFCRC-TN-59-972
BROWN UNIVERSITY
INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER
SEMICONDUCTORS JUNE 1959
BY FARNSWORTH, H E DOC NR. 217818
HANEMAN, D CONTRACT NR. AF 19(604)-1952
MARCH, J B PROJ/TASK NR. 4156-46710

AFCRC-TN-59-973
HARVARD UNIVERSITY
DESIGN AND OPERATION OF DIGITAL CALCULATING MACHINERY
DEC 1 58 TO MAR 1 59
BY AIKEN, H DOC NR. 217826
CONTRACT NR. AF 19(604)-4967
PROJ/TASK NR. 4612-2

AFCRC-TN-59-974
GENERAL ELECTRIC CO.
SATELLITE TRACKING BY RADIO, PART I APR 7 1959
BY DOC NR. 217854
CONTRACT NR. AF 19(604)-6087
PROJ/TASK NR. 4600-46819

AFCRC-TN-59-975
POLYTECHNIC INSTITUTE OF BROOKLYN
COUPLED LEAKY WAVEGUIDES I TWO PARALLEL SLITS IN A PLANE
MAY 16 59
BY NISHIDA, Y DOC NR. 217855
CONTRACT NR. AF 19(604)-2031
PROJ/TASK NR. 4600-1

AFCRC-TN-59-976
STANFORD UNIVERSITY
AN INVESTIGATION OF ADIABATIC RAPID PASSAGE IN IONIC
PARAMAGNETS FOR USE IN SOLID-STATE MASERS APR 20 1959
BY ANDERSON, W W DOC NR. 217856
CONTRACT NR. AF 19(604)-1067
PROJ/TASK NR. 4560-46807

AFCRC-TN-59-977
MINNESOTA, UNIVERSITY OF
STUDIES OF BASE NICKELS FOR OXIDE-COATED CATHODES OCT 15
1958-JAN 15 1959
BY SHEPHERD, W G DOC NR. 217857
CONTRACT NR. AF 19(604)-3898
PROJ/TASK NR. 9630-7

AFCRC-TN-59-978
NEW HAMPSHIRE, UNIVERSITY OF
DETECTION AND ANALYSIS OF RADIO SIGNALS FROM SPACE VEHICLES
JUNE 15 1959
BY FROST, A D DOC NR. 217858
MELVIN, D W CONTRACT NR. AF 19(604)-3892
PROJ/TASK NR. 4600-46819

AFCRC-TN-59-979
CALIFORNIA, UNIVERSITY OF
GLOW CATHODES IN PULSED MAGNETIC FIELDS JUNE 15 59
BY HOAG, F D DOC NR. 217859
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 4506-46814

AFCRC-TN-59-980
ANDREW ALFORD CONSULTING ENGINEERS
THE CONTRAPHASER AND ITS APPLICATION TO SCANNED LINEAR
ARRAYS NOV 58
BY FLOOD D DOC NR.
CONTRACT NR. AF 19(604)-1996
PROJ/TASK NR. 4600-1

AFCRC-TN-59-981
STANFORD UNIVERSITY
THEORY OF RADAR STUDIES OF THE CISLUNAR MEDIUM JULY 5 59
BY ESHLEMAN, V R DOC NR.
BARTHLE, R C CONTRACT NR. AF 19(604)-2193
GALLAGHER, P B PROJ/TASK NR. 4601-1

AFCRC-TN-59-982
RAYTHEON COMPANY
INVESTIGATION OF THE CORRELATION OF STANDARD DIODE EMISSION
STUDY CONTRACT FINDINGS WITH PRODUCTION TYPE TUBES USING
STANDARD PRODUCTION EQUIPMENT JUNE 26 59
BY HILL, P DOC NR.
BARDSLEY, C CONTRACT NR. AF 19(604)-6095
SHEA, A PROJ/TASK NR. 9620-4
KAUFMAN, L

AFCRC-TN-59-983
NEW YORK UNIVERSITY
THE POTENTIAL AND CHARGE DISTRIBUTION NEAR THE TIP OF A
FLAT ANNULAR SECTOR MAY 59
BY NOBLE, B DOC NR.
CONTRACT NR. AF 19(604)-9258
PROJ/TASK NR. 9611

AFCRC-TN-59-984
BROWN UNIVERSITY
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF SILICON AND
SILICON-CARBIDE SURFACES JULY 1959
BY DILLON, JR., J A DOC NR.
OMAR, M M CONTRACT NR. AF 19(604)-6568
PROJ/TASK NR. 9621-2

AFCRC-TN-59-985
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FIRENZE
EXPERIMENTAL TEST ON A STEPPED ZONE MIRROR FOR MICROWAVES
APR 1959
BY DI FRANCIA, G T DOC NR.
RONCHI, L CONTRACT NR. AF 61(052)-67
RUSSO, V PROJ/TASK NR. 7776

AFCRC-TN-59-986
MARYLAND, UNIVERSITY OF
PROPERTIES OF THE UPPER ATMOSPHERE DEDUCED FROM THE
RADIATION ONLY (1959)
BY SINGER, S F DOC NR. 211117
CONTRACT NR. AF 49(638)-550
PROJ/TASK NR.

AFCRC-TN-59-987
NATIONAL BUREAU OF STANDARDS
GUIDING OF ELECTROMAGNETIC WAVES BY UNIFORMLY ROUGH
SURFACES (PART I AND II) MAR 31 59
BY WAIT, J R DOC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-59-988
PHYSICAL LABORATORIES, THE UNIVERSITY (ENG)
THE ENERGY-MOMENTUM TENSOR OF A SCALAR THEORY OF
ELECTROMAGNETISM JAN 1959
BY ROMAN, P DOC NR.
CONTRACT NR. AF 61(052)-160
PROJ/TASK NR. 9691

AFCRC-TN-59-989
PHYSICAL LABORATORIES, THE UNIVERSITY (ENG)
COHERENCE PROPERTIES OF PARTIALLY POLARIZED ELECTROMAGNETIC
RADIATION MAR 1959
BY WOLF, P DOC NR.
CONTRACT NR. AF 61(052)-160
PROJ/TASK NR. 9691

AFCRC-TN-59-990
NEW YORK UNIVERSITY
STRUCTURE OF THE ELECTROMAGNETIC FIELD IN THE IMAGE REGION
OF AN APLANATIC OPTICAL SYSTEM JULY 59
BY WOLF, E DOC NR.
RICHARDS, B CONTRACT NR. AF 19(604)-9258
PROJ/TASK NR. 9691

AFCRC-TN-59-991
NEW YORK UNIVERSITY
A MULTIPLYING FACTOR METHOD FOR THE SOLUTION OF WIENER-HOPF
INTEGRAL EQUATIONS JULY 59
BY NOBLE, B DOC NR.
PETERS, A S CONTRACT NR. AF 19(604)-9258
PROJ/TASK NR. 9691

AFCRC-TN-59-992
POLYTECHNIC INSTITUTE OF BROOKLYN
COUPLED LEAKY WAVEGUIDES II TWO PARALLEL SLITS IN A CYLINDER
JUNE 10 59
BY NISHIDA, Y DOC NR.
CONTRACT NR. AF 19(604)-2031
PROJ/TASK NR. 4600-1

AFCRC-TN-59-393
MICHIGAN, UNIVERSITY OF
ELECTROMAGNETIC SCATTERING BY HIGH DENSITY METOR TRAILS
JUNE 59
BY BRYSE, H — DDC NR.
CONTRACT NR. AF 19(604)-4993
PROJ/TASK NR. 4600-46077

AFCRC-TN-59-396
MICHIGAN, UNIVERSITY OF
SCALAR DIFFRACTION BY AN ELLIPTIC CYLINDER JUNE 59
BY KAZARINOFF, N D — DDC NR.
RITT, R K — CONTRACT NR. AF 19(604)-5791
PROJ/TASK NR. 4600-46017

AFCRC-TN-59-399
WESTINGHOUSE ELECTRIC CORPORATION
MAGNETO-OPTICAL EFFECTS IN FERRIMAGNETIC OXIDES JUNE 15 59
BY BAILEY P — DDC NR.
CONTRACT NR. AF 19(604)-5529
PROJ/TASK NR. 4156-46210

AFCRC-TN-59-396
WESTINGHOUSE RESEARCH LABORATORIES
PARAMAGNETIC RELAXATION STUDIES IN MASER CRYSTALS JULY 5 59
BY CASTLE, J G — DDC NR.
CHESTER, P F — CONTRACT NR. AF 19(604)-5589
WAGNER, P E — PROJ/TASK NR. 4156-46210

AFCRC-TN-59-397
STANFORD RESEARCH INSTITUTE
FEASIBILITY STUDY OF AIRCRAFT ANTENNAS FOR FORWARD-SCATTER
AND METEOR-BURST COMMUNICATION JULY 1959
BY CLINE, J F — DDC NR.
CONTRACT NR. AF 19(604)-3458
PROJ/TASK NR. 4600-7

AFCRC-TN-59-398
COLORADO, UNIVERSITY OF
RADIO EMISSION FOLLOWING THE FLARE OF AUGUST 22, 1958
JULY 17 1959
BY BOISCHOT, A — DDC NR.
WARWICK, J W — CONTRACT NR. AF 19(604)-3872
PROJ/TASK NR. 9630-2

AFCRC-TN-59-399
MINNESOTA, UNIVERSITY OF
STUDIES OF BASE NICKELS FOR OXIDE-COATED CATHODES JAN 15 59
TO APR 15 59
BY SHEPHERD, W G — DDC NR.
CONTRACT NR. AF 19(604)-3890
PROJ/TASK NR. 9630-7

AFCRC-TN-59-400
ALASKA UNIVERSITY OF
EXPERIMENT LUFTWAQURG DEC 1958
BY BURT W C — DDC NR. 210316
CONTRACT NR. AF 19(604)-3880
PROJ/TASK NR.

AFCRC-TN-59-403
CALIFORNIA, LOS ANGELES, UNIVERSITY OF
ON THE TRUNCATION ERROR, STABILITY AND CONVERGENCE OF
DIFFERENCE SOLUTIONS OF THE BAROTROPIC VORTICITY
EQUATION, DYNAMICAL WEATHER PREDICTION PROJECT JUNE 30 1959
BY GATES, W L — DDC NR. 210318
CONTRACT NR. AF 19(604)-3886
PROJ/TASK NR.

AFCRC-TN-59-404
CAMBRIDGE RESEARCH LABORATORIES (IN HOUSE)
THE APPROXIMATE ANALYSIS OF ZERO-LIFT TRAJECTORIES AUG 59
BY HOULT, C P — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-59-405
GENERAL MILLS INC
INVESTIGATION OF STRESS DISTRIBUTION IN AN INFLATED
BALLOON DEC 15 1958
BY ANDERSON JR A A — DDC NR. 210696
BARRETT R W — CONTRACT NR. AF 19(604)-3876
PROJ/TASK NR.

AFCRC-TN-59-406
GENERAL MILLS INC
BALLOON BARRIER MATERIALS DEC 16 1958
BY ANDERSON JR A A — DDC NR. 210695
MORFITT G L — CONTRACT NR. AF 19(604)-3876
TOLBERG W F — PROJ/TASK NR.

AFCRC-TN-59-407
PENNSYLVANIA STATE UNIVERSITY
IONOSPHERIC ELECTRON DENSITIES FOR WASHINGTON D C
PANAMA TALARA AND HUANCAYO FOR OCTOBER-NOVEMBER-DECEMBER
1957 APR 27 1959
BY SCHMERLING E R — DDC NR. 210696
CONTRACT NR. AF 19(604)-3875
PROJ/TASK NR.

AFCRC-TN-59-409
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ATMOSPHERIC WATER VAPOR DIVERGENCE AND THE WATER BALANCE AT
EARTH-S SURFACE, GENERAL CIRCULATION PROJECT JUNE 1959
BY LUDEIN, D H — DDC NR. 2179037
CONTRACT NR. AF 19(604)-2262
PROJ/TASK NR.

AFCRC-TN-59-410
NEW HAMPSHIRE UNIVERSITY OF
COSMIC-RAY INCREASES ASSOCIATED WITH SOLAR FLARES
JAN 15 1959
REPR FR THE PHYSICAL REVIEW V 113 #2 PP 661-667
BY LOCKWOOD J A — DDC NR. 217038
TOWLE L C — CONTRACT NR. AF 19(604)-6552
PROJ/TASK NR.

AFCRC-TN-59-411
MANCHESTER UNIVERSITY
STUDIES IN LUNAR TOPOGRAPHY I DETERMINATION OF THE
HEIGHTS OF MOUNTAINS ON THE MOON MAR 1959
BY KOPAL Z — DDC NR. 217039
FIELDER G — CONTRACT NR. AF 61(052)-168
PROJ/TASK NR.

AFCRC-TN-59-412
CHICAGO UNIVERSITY OF
COMPUTATION OF PRECIPITATION FROM LARGE-SCALE VERTICAL
MOTION DEC 1958
REPR FR JOURN OF METEOROLOGY V 15 #6 PP 567-580
BY SMERVE S J — DDC NR. 217040
CONTRACT NR. AF 19(604)-2179
PROJ/TASK NR. 7612

AFCRC-TN-59-413
WASHINGTON, UNIVERSITY OF
A METHOD OF ANALYSIS OF SURFACE GEOSTROPHIC WINDS IN
MOUNTAINOUS REGIONS AUG 59
BY WILLIAMS, W P — DDC NR. 217311
CONTRACT NR. AF 19(604)-3063
PROJ/TASK NR.

AFCRC-TN-59-414
WASHINGTON, UNIVERSITY OF
A SYNOPTIC-CLIMATOLOGICAL STUDY OF THE ARCTIC CIRCULATION
IN SUMMER SEP 59
BY KUNKEL, R A — DDC NR. 217312
CONTRACT NR. AF 19(604)-3063
PROJ/TASK NR.

AFCRC-TN-59-415
WASHINGTON, UNIVERSITY OF
RESULTS OF A SERIES OF DYNAMICAL PREDICTIONS FOR THE ARTICS
WINTER SEASON SEP 59
BY REED, R J — DDC NR. 217313
CONTRACT NR. AF 19(604)-3063
PROJ/TASK NR.

AFCRC-TN-59-416
CHICAGO, UNIVERSITY OF
AIRCRAFT OBSERVATIONS OF CONVECTIVE CLOUD
ELECTRIFICATION JUNE 1959
BY FITZGERALD, D R — DDC NR. 217314
BYERS, H R — CONTRACT NR. AF 19(604)-618
PROJ/TASK NR. 7630

AFCRC-TN-59-416
CHICAGO, UNIVERSITY OF
AIRCRAFT OBSERVATIONS OF CONVECTIVE CLOUD
ELECTRIFICATION JUNE 1959
BY FITZGERALD, D R — DDC NR. 217314
BYERS, H R — CONTRACT NR. AF 19(604)-2189
PROJ/TASK NR. 7630

AFCRC-TN-59-417
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
INTERFEROMETRICALLY CONTROLLED RULING OF TEN-INCH
DIFFRACTION GRATINGS MAR 1959
REPR FR JOURNAL OF THE OPTICAL SOCIETY OF AMERICA
V49 #3 205-211
BY HARRISON G R — DDC NR. 217360
STURGIS R — CONTRACT NR. AF 19(604)-1969
DAVIS, S P — PROJ/TASK NR. 7669
YAMADA Y

AFCRC-TN-59-418
LITTLE, INC., ARTHUR D
(U) THEORY OF THE CONTINUOUS GAS CELL, JUNE 15, 1959.
CONFIDENTIAL
BY EWSLIE, A. G. — DDC NR. 217413
CONTRACT NR. AF 19(604)-2493
PROJ/TASK NR. 7670

AFCRC-TN-59-420
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) AN ESTIMATE OF THE STREAMING OF THE ACOUSTIC SIGNAL
GENERATED BY AN ICBM NOSE CONE RE-ENTRY CONFIDENTIAL AUG 59
BY MASKELL, N A — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-59-4211
BONN UNIVERSITY OF
THE PHOTOCHEMICAL FORMATION AND THE PHOTOLYSIS OF NITROUS
OXIDE IN THE EXTREME ULTRAVIOLET JULY 1956-MAR 1959
OF SIMPLE GASES
BY SCHIFFHOLZ H — DDC NR. 2178261
CONTRACT NR. AF 61(514)-1079
PROJ/TASK NR. 7639

AFCRC-TN-59-4212
BONN UNIVERSITY OF
PHOTOCHEMICAL FORMATION OF ORGANIC COMPOUNDS FROM MIXTURES
BY WEYSSENHOFF H V — DDC NR. 2178262
CONTRACT NR. AF 61(514)-1079
PROJ/TASK NR. 7639

AFCRC-TN-59-4213

BONN UNIVERSITY OF

INTENSE LIGHT SOURCES FOR THE VACUUM ULTRAVIOLET

JULY 1956-MAR 1959
BY CORES F J — DDC NR. 2178263
SCHLAG E W — CONTRACT NR. AF 61(514)-1079

PROJ/TASK NR. 7639

AFCRC-TN-59-422
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) INFRARED MEASURING PROGRAM 1958 ACTIVITIES,
ACHIEVEMENTS AND APPRAISAL SECRET JULY 1959
BY HAGEL, W P — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-59-425
DUBLIN INSTITUTE FOR ADVANCED STUDIES
AN IMPROVED MODEL OF THE CONDENSATION NUCLEUS COUNTER WITH STEREO-PHOTOMICROGRAPHIC RECORDING 1958
REPR FR THE REVIEW GEOFISICA PURA E APPLICATA-MILANO
V 41 S 211-216
BY POLLAK L W — DDC NR.
DALY J — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR.

AFCRC-TN-59-429
OSLO UNIVERSITY OF
PROTONS IN AURORAE 1959
BY OMHOLT A — DDC NR.
CONTRACT NR. AF 61<514>-1123
PROJ/TASK NR. 7661-76456

AFCRC-TN-59-426
OSLO UNIVERSITY OF
STUDIES OF THE EXCITATION OF AURORA BOREALIS I THE HYDROGEN LINES 1959
BY OMHOLT A — DDC NR.
CONTRACT NR. AF 61<514>-1123
PROJ/TASK NR. 7661-76456

AFCRC-TN-59-427
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
NOTE ON VERTICAL VARIATIONS IN RADAR REFLECTIVITY JUNE 1959
BY ROGERS, C W C — DDC NR.
CONTRACT NR. AF 19<604>-2291
PROJ/TASK NR.

AFCRC-TN-59-428
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
A DETERMINATION OF THE ABUNDANCE OF NITROUS OXIDE, CARBON MONOXIDE, AND METHANE IN GROUND LEVEL AIR AT SEVERAL LOCATIONS NEAR COLUMBUS, OHIO JUNE 1959
BY SHAW, J H — DDC NR.
CONTRACT NR. AF 19<604>-2259
PROJ/TASK NR. 7674-1

AFCRC-TN-59-429
DUBLIN INSTITUTE FOR ADVANCED STUDIES
FURTHER INVESTIGATIONS OF THE FOG IN THE PHOTO-ELECTRIC CONDENSATION NUCLEUS COUNTER 1959
REPR FR THE REVIEW GEOFISICA PURA E APPLICATA-MILANO
V 42 PP 89-107
BY POLLAK L W — DDC NR.
METNIEKS A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR.

AFCRC-TN-59-430
DUBLIN INSTITUTE FOR ADVANCED STUDIES
AN INVESTIGATION INTO THE PROPERTIES OF ATMOSPHERIC FREEZING NUCLEI AND SEA-SALT NUCLEI UNDER MARITIME CONDITIONS AT THE WEST COAST OF IRELAND 1958
REPR FR THE REVIEW GEOFISICA PURA E APPLICATA-MILANO
V 41 S 159-176
BY GEORGII H W — DDC NR.
METNIEKS A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR.

AFCRC-TN-59-431
DUBLIN INSTITUTE FOR ADVANCED STUDIES
A UNIVERSAL DIFFUSION BATTERY 1958
REPR FR THE REVIEW GEOFISICA PURA E APPLICATA-MILANO
V 41 S 201-210
BY POLLAK L W — DDC NR.
METNIEKS A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR.

AFCRC-TN-59-432
DUBLIN INSTITUTE FOR ADVANCED STUDIES
THE DIFFUSION COEFFICIENT OF LARGE IONS 1959
REPR FR RECENT ADVANCES IN ATMOSPHERIC ELECTRICITY
BY POLLAK L W — DDC NR.
METNIEKS A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR.

AFCRC-TN-59-433
WEIZMANN INSTITUTE OF SCIENCE
MONTE-CARLO CALCULATION OF MESON PRODUCTION IN NUCLEAR REACTION PART I N-N COLLISIONS AT 100 BEV REGION 1959
BY [illegible] — DDC NR.
YEKUTIELI G — CONTRACT NR. AF 61<052>-58
PROJ/TASK NR.

AFCRC-TN-59-434
NEW HAMPSHIRE, UNIVERSITY OF
A COMPARISON OF THE COSMIC-RAY INTENSITY AT HIGH ALTITUDES WITH THE NUCLEONIC COMPONENT AT GROUND ELEVATION
BY MERRELL, J C — DDC NR.
LOCKWOOD, J A — CONTRACT NR. AF 19<604>-1950
TRAINOR, J H — PROJ/TASK NR. 7630-4

AFCRC-TN-59-435
NEW YORK UNIVERSITY
A CASE STUDY OF THE TROPOPAUSE, JULY 1959.
BY ALBERT, P G. — DDC NR.
CONTRACT NR. AF 19<604>-1755
PROJ/TASK NR. 7613-

AFCRC-TN-59-436
MARYLAND, UNIVERSITY OF
ON THE CAUSE OF THE MINIMUM IN THE EARTH-S RADIATION BELT 1959
BY SINGER, S F — DDC NR.
CONTRACT NR. AF 19<604>-3861
PROJ/TASK NR.

AFCRC-TN-59-437
MARYLAND, UNIVERSITY OF
DISTRIBUTION OF DENSITY IN A PLANETARY EXOSPHERE <1959>
BY OPIK, E J — DDC NR.
SINGER, S F — CONTRACT NR. AF 19<604>-3861
PROJ/TASK NR.

AFCRC-TN-59-438
STOCKHOLM, UNIVERSITY OF
THE GENERAL CIRCULATION OF THE ATMOSPHERE IN THE LIGHT OF MORE RECENT INVESTIGATIONS APR 59
BY DEFANT F — DDC NR.
CONTRACT NR. AF 61<514>-969
PROJ/TASK NR. 7693-1

AFCRC-TN-59-441
OSLO UNIVERSITY OF
SOME CONSIDERATIONS ON THERMAL CONDUCTION AND MAGNETIC FIELDS IN PROMINENCES THE MAGNETIC FIELDS OF SUNSPOTS AND THE EVERSHED EFFECT 1959
BY JENSEN E — DDC NR.
CONTRACT NR. AF 61<514>-6910
PROJ/TASK NR.

AFCRC-TN-59-442
BRITISH COLUMBIA, UNIVERSITY OF
THE IONIZATION AND DISSOCIATION OF SOME HALOGEN MOLECULES BY ELECTRON IMPACT AUG 1959
BY FROST, D C — DDC NR.
MCDOWELL, C A — CONTRACT NR. AF 19<604>-2275
PROJ/TASK NR. 7699-2

AFCRC-TN-59-443
RAMO-WOOLDRIDGE
INFRARED BACKGROUND INVESTIGATION JUNE 30 1959
BY FISKE, R F — DDC NR.
CONTRACT NR. AF 19<604>-3679
PROJ/TASK NR.

AFCRC-TN-59-444
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ARTIFICIAL RADIOACTIVITY FROM NUCLEAR TESTS UP TO NOVEMBER 1958 SEP 59
BY MARTELL, E A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7690

AFCRC-TN-59-445
SYRACUSE UNIVERSITY
WASHOUT EFFECT IN INFRARED BACKGROUND STUDIES JUNE 1959
BY FREDERICKSON, W R — DDC NR.
GINSBURG, N — CONTRACT NR. AF 19<604>-3908
PAULSON, R — PROJ/TASK NR.

AFCRC-TN-59-446
CHICAGO, UNIVERSITY OF
ON THE INFLUENCE OF HEAT EXCHANGES ON MOTION AND WEATHER SYSTEMS JULY 1959
BY PETTERSSEN, S — DDC NR.
CONTRACT NR. AF 19<604>-2179
PROJ/TASK NR.

AFCRC-TN-59-447
MCGILL UNIVERSITY
THE MOTION AND EROSION OF CONVECTIVE STORMS IN SEVERE VERTICAL WIND SHEAR JULY 1959
BY MITSCHFELD, W — DDC NR.
CONTRACT NR. AF 19<604>-2065
PROJ/TASK NR.

AFCRC-TN-59-448
MCGILL UNIVERSITY
ALBERTA HAIL, 1958 AND RELATED STUDIES, PART I ALBERTA FIELD STUDIES, PART II GROWTH BY ACCRETION IN THE ICE PHASE PART III THE FREEZING OF SUPERCOOLED WATER DROPS JULY 1959
BY DOUGLAS, R W — DDC NR.
BARKLIE, R W D — CONTRACT NR. AF 19<604>-2069
GOKHALE, N R — PROJ/TASK NR.

AFCRC-TN-59-449
TUFTS UNIVERSITY
ON SOLUTIONS OF THE HEAT EQUATION JULY 21 59
BY CLARKSON J A. — DDC NR.
FULTON D G. — CONTRACT NR. AF 19<604>-1978
PROJ/TASK NR.

AFCRC-TN-59-450
AERONUTRONIC
EMISSIVITY OF DISPERSED CARBON PARTICLES MAY 29 59
BY STULL, V R — DDC NR.
PLASS, G N — CONTRACT NR. AF 19<604>-2166
PROJ/TASK NR.

AFCRC-TN-59-451
NEW YORK UNIVERSITY
AN ANALYSIS OF UPPER AIR OBSERVATIONS AT MCMURDO SOUND, ANTARTICA JULY 5
BY KANGOS, J [illegible] — DDC NR.
CONTRACT NR. AF 19<604>-1755
PROJ/TASK NR. 7693-1

AFCRC-TN-59-452
NEW YORK UNIVERSITY
THE SPECTRA OF LARGE-SCALE TURBULENT TRANSFER OF MOMENTUM AND HEAT JULY 59
BY CHIU, W C — DDC NR.
CONTRACT NR. AF 19<604>-1755
PROJ/TASK NR. 7693-1

AFCRC-TN-59-453
KANSAS STATE UNIVERSITY
THE SPECTRA OF NITROGEN OXIDES. I. THE SPECTRUM OF N2O4 59
BY MISATSUNE, I C — DDC NR.
CONTRACT NR. AF 19<604>-2295
PROJ/TASK NR.

AFCRC-TN-59-454
PENNSYLVANIA STATE UNIVERSITY
PRELIMINARY MONTHLY MEAN 50 MB AND 100 MB CHARTS, APRIL JULY 1957 JULY 31 1959
BY JULIAN, P — DDC NR.
CONTRACT NR. AF 19<604>-2190
PROJ/TASK NR. 7693-5

AFCRC-TN-59-659
HARVARD UNIVERSITY
SOLAR RADIO INTERFERENCE AT 125, 200, 425, 960 MC/S. A F PORT PREPARED FOR THE USAF CAMB AIR DEVELOPMENT CENTER JULY 59
HOWARD, W F — CONTRACT NR. AF19(604)-1904
GARMIRE, A — PROJ/TASK NR. 7600-2

AFCRC-TN-59-661
DARTMOUTH COLLEGE
ICE STRUCTURES, ANGIUSSAQ LAKE, NORTHWEST GREENLAND SEP 1 59
BY TAYLOR, L D — DOC NR.
LYONS, J B — CONTRACT NR. AF 19(604)-2159
PROJ/TASK NR. 7606-4

AFCRC-TN-59-662
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A PRELIMINARY REPORT ON A BOUNDARY LAYER NUMERICAL EXPERIMENT OCT 59
BY ESTOQUE, M A — DOC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-59-664
ARIZONA STATE COLLEGE
VEGARD RESULTS FOR AUGUST 1954 THROUGH DECEMBER 1954 AT THE ATMOSPHERIC RESEARCH OBSERVATORY, FLAGSTAFF, ARIZONA JUNE 10 59
BY WEEMS, E — DOC NR.
ABEL, A — CONTRACT NR. AF 19(604)-2177
PROJ/TASK NR. 7674-8

AFCRC-TN-59-665
ARIZONA STATE COLLEGE
GRATING RESOLUTION AT 6 .9 MICRONS IN THE SOLAR-TELLURIC SPECTRUM AUG 10 59
BY ABEL, A — DOC NR.
CONTRACT NR. AF 19(604)-2177
PROJ/TASK NR. 7674-8

AFCRC-TN-59-666
ARIZONA STATE COLLEGE
THE ABUNDANCE OF ATMOSPHERIC CARBON MONOXIDE AT FLAGSTAFF ARIZONA SEP 7 59
BY ABEL, A — DOC NR.
CONTRACT NR. AF 19(604)-2177
PROJ/TASK NR. 7674-8

AFCRC-TN-59-667
AERONUTRON IC
SPECTRAL EMISSIVITY OF HYDROGEN CHLORIDE FROM 1000-9400 CM1 MAY 15 59
BY STULL, V R — DOC NR.
PLASS, G N — CONTRACT NR. AF 19(604)-2166
PROJ/TASK NR.

AFCRC-TN-59-668
BRITISH COLUMBIA, UNIVERSITY OF
THE MORPHOLOGY OF GEOMAGNETIC MICROPULSATIONS, PC JUNE 19 1959
BY JACOBS, J A — DOC NR.
SIRRO, K — CONTRACT NR. AF 19(604)-4068
PROJ/TASK NR.

AFCRC-TN-59-669
DANISH NATIONAL COMMITTEE OF U.R. S.I.
OBSERVATIONS OF WHISTLERS AND VLF PHENOMENA AT GODHAVN GREENLAND JULY 1 59
BY UNGSTRUP, F — DOC NR.
CONTRACT NR. AF 61(514)-1509
PROJ/TASK NR.

AFCRC-TN-59-670
OSLO, UNIVERSITY OF
A HIGH SPEED ROTATING DISK SHUTTER FOR PHOTOGRAPHING THE SOLAR DISK 1959
BY BREKKE, K — DOC NR.
CONTRACT NR. AF 61(052)-186
PROJ/TASK NR.

AFCRC-TN-59-671
ALASKA, UNIVERSITY OF
EXPERIMENT LUREMBOURG, MAY 1959.
BY BUNT, G. C. — DOC NR.
CONTRACT NR. AF 19(604)-3880
PROJ/TASK NR. 7663

AFCRC-TN-59-672
STANFORD RESEARCH INSTITUTE
A FEASIBILITY STUDY SUPERIMPOSED BEAMS A TECHNIQUE FOR DETERMINING TWO-BODY REACTION CROSS SECTIONS SEP 17 59
BY COOK, C J — DOC NR.
ADLOW, C M — CONTRACT NR. AF 19(604)-3475
PROJ/TASK NR.

AFCRC-TN-59-673
STANFORD RESEARCH INSTITUTE
A FEASIBILITY STUDY SCATTERING OF ELECTRONS BY IONS, ATOMS AND MOLECULES SEP 17 59
BY LORENTS, D C — DOC NR.
COOK, C J — CONTRACT NR. AF 19(604)-3475
PROJ/TASK NR.

AFCRC-TN-59-674
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
PRESSURE MODULATION OF INFRARED ABSORPTION JUNE 59
BY GILFERT, J C — DOC NR.
WILLIAMS, D — CONTRACT NR. AF 19(604)-2259
PROJ/TASK NR. 7674-1

AFCRC-TN-59-675
TEXAS, A & M COLLEGE OF
SOME NON-PRECIPITATION ECHOES AS OBSERVED BY CPS-9 RADAR SEP 1959
BY BIGLER, S G — DOC NR.
CONTRACT NR. AF 19(604)-5064
PROJ/TASK NR.

AFCRC-TN-59-676
HARVARD UNIVERSITY
OBSERVATIONS OF MARS IN 1958 SEP 15 59
BY VAUCOULEURS, G DE — DOC NR.
CONTRACT NR. AF 19(604)-3076
PROJ/TASK NR.

AFCRC-TN-59-677
IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY (LONDON)
CALIBRATION OF A WEATHER RADAR USING A STANDARD TARGET SEP 59
BY ATLAS, D — DOC NR.
MORROP, S C — CONTRACT NR. AF 61(052)-296
PROJ/TASK NR.

AFCRC-TN-59-680
SASKATCHEWAN, UNIVERSITY OF
RESONANCE SCATTERING BY ATMOSPHERIC SODIUM VII. MEASUREMENT OF THE VERTICAL DISTRIBUTION IN TWILIGHT 1960 J ATMOS & TERRES PHYS 17 209-219, 1960
BY RUNDLE, H N — DOC NR.
HUNTEN, D M — CONTRACT NR. AF 19(604)-1851
PROJ/TASK NR. 7661

AFCRC-TN-59-681
SASKATCHEWAN, UNIVERSITY OF
INTERFERENCE WEDGE PHOTOMETER FOR TWILIGHT SODIUM MAY 1959
BY LOTCHINSKI, E D — DOC NR.
HUNTEN, D M — CONTRACT NR. AF 19(604)-1851
PROJ/TASK NR. 7661

AFCRC-TN-59-682
SASKATCHEWAN, UNIVERSITY OF
RESONANCE SCATTERING BY ATMOSPHERIC SODIUM VIII. IMPROVED METHOD OF DEDUCING THE VERTICAL DISTRIBUTION 1960 J ATMOS & TERRES PHYS 17 294-301 1960
BY HUNTEN, D M — DOC NR.
CONTRACT NR. AF 19(604)-1851
PROJ/TASK NR. 7661

AFCRC-TN-59-689
LICHTKLIMATISCHES OBSERVATORIUM AROSA
VERTICAL OZONE DISTRIBUTION FROM UMKEHR OBSERVATIONS. REPR. FR. ARCHIV FUR METEOROLOGIE, GEOPHYSIK UND BIOKLIMATOLOGIE, SERIE A METEOROLOGIE UND GEOPHYSIK, BAND 11, 2 HEFT 1959
BY DUTSCH, H U — DOC NR.
CONTRACT NR. AF 61(514)-905
PROJ/TASK NR.

AFCRC-TN-59-696
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MEASUREMENT OF DROP SIZE DISTRIBUTION AND LIQUID WATER CONTENT IN NATURAL CLOUDS DEC 30 58
BY REILY, D P — DOC NR.
MILLER, S G — CONTRACT NR. AF 19(604)-3050
PROJ/TASK NR.

AFCRC-TN-59-699
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) RECENT ADVANCES IN CONTRAIL SUPPRESSION (CONFIDENTIAL
NOV 59
BY BIRSTEIN, L J. — DOC NR.
CONTRACT NR.
PROJ/TASK NR. 7699

AFCRC-TN-59-696
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A NOTE COMPARING 1-KM VERTICAL WIND SHEARS DERIVED FROM SIMULTANEOUS AN/GMD-1A AND AN/GMD-2 WINDS-ALOFT OBSERVATIONS NOV 59
BY SALMELA, H. A. — DOC NR.
SISSENWINE, N. — CONTRACT NR.
PROJ/TASK NR. 8624-1

AFCRC-TN-59-697
HARVARD UNIVERSITY
ON THE MAGNETIC FIELD STRENGTHS OF SUNSPOTS OCT 59
BY OPIK, E — DOC NR.
CONTRACT NR. AF 19(604)-4962
PROJ/TASK NR.

AFCRC-TN-59-698
OHIO STATE UNIVERSITY
INVESTIGATION ON THE GRAVITY FIELD AND SHAPE OF THE EARTH DEC 59
BY UOTILA V. A. K. — DOC NR.
CONTRACT NR. AF 19(604)-1963
PROJ/TASK NR. 7600

AFCRC-TN-59-699
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
ON THE PRACTICAL SOLUTION OF THE BOUNDARY VALUE PROBLEM OF PHYSICAL GEODESY AUG 59
BY TENGSTROM, E — DOC NR.
CONTRACT NR. AF 19(604)-1963
PROJ/TASK NR.

AFCRC-TN-59-950
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
STUDY OF PARAMETRIC AMPLIFICATION JUNE U959
BY GERHARD, A C — DOC NR.
CONTRACT NR. AF 19(604)-4060
PROJ/TASK NR. 5620-2

AFCRC-TN-59-951
MICROWAVE ENGINEERING LABORATORIES, INC.
RESEARCH AND DEVELOPMENT OF A SOLID STATE PARAMAGNETIC MASER JULY 9 59
BY ROBERTS, R W — DOC NR.
CONTRACT NR. AF 19(604)-4071
PROJ/TASK NR. 5620-3

AFCRC-TN-59-952
GENERAL ELECTRIC COMPANY
SURVEY OF RADIATION DAMAGE THRESHOLDS JULY 59
BY WALKER, R M — DOC NR.
CONTRACT NR. AF 19(604)-5557
PROJ/TASK NR. 5621

AFCRC-TN-59-95
TENNESSEE UNIVERSITY OF
PARASITIC EXCITATION OF CIRCULAR ARRAYS AUG 1 59
BY SIMPSON, T L
NEFF, H P
TILLMAN, J D
DDC NR.
CONTRACT NR. AF 19(604)-6967
PROJ/TASK NR. 4600-46019

AFCRC-TN-59-556
HUGHES AIRCRAFT COMPANY
(U) THE APPLICATION OF SYNTHETIC-APERTURE RADAR TO TERRAIN RECONNAISSANCE BY SATELLITES CONFIDENTIAL JUNE 59
BY CHRISTMAN, J R
DDC NR.
CONTRACT NR. AF 19(604)-2625
PROJ/TASK NR. 4600-7

AFCRC-TN-59-559
STANFORD UNIVERSITY
THE BERNETT PINCH JUNE 17 59
BY BUNEMAN, O
DDC NR.
CONTRACT NR. AF 19(604)-1847
PROJ/TASK NR. 4560-46307

AFCRC-TN-59-596
OHIO STATE UNIVERSITY
(U) BISTATIC ECHO AREA MEASUREMENTS OF A BALLISTIC MISSILE II SECRET JULY 20 59
BY COPELAND, J R
DDC NR.
CONTRACT NR. AF 19(604)-3501
PROJ/TASK NR. 96300

AFCRC-TN-59-557
OHIO STATE UNIVERSITY
APPROXIMATE SOLUTIONS TO SCATTERING PROBLEMS BY MULTIPOLE MATCHING JULY 24 59
BY KERNAUGH, F M
TSU, R
DDC NR.
CONTRACT NR. AF 19(604)-3501
PROJ/TASK NR. 46010

AFCRC-TN-59-558
LOCKHEED AIRCRAFT CORPORATION
(U) COMMUNICATIONS SATELLITE DESIGN STUDY SECRET JULY 31 59
BY LIPKIN, L
DDC NR.
CONTRACT NR. AF 19(604)-5577
PROJ/TASK NR. 7776-77790

AFCRC-TN-59-559
RAYTHEON MANUFACTURING COMPANY
IONOSPHERE PROPAGATION STUDIES
BY EDWARDS, L C
HEDLUND, D A
DDC NR.
CONTRACT NR. AF 19(604)-2246
PROJ/TASK NR. 4603-3

AFCRC-TN-59-560
MELPAR, INC.
(U) STUDY OF ANTI-JAM COMMUNICATION SYSTEM USING REDUNDANT TRANSMISSIONS SECRET JULY 31 1959
BY
DDC NR.
CONTRACT NR. AF 19(604)-4066
PROJ/TASK NR.

AFCRC-TN-59-562
NEW YORK UNIVERSITY
EXTENSION OF NULL RECEPTION ANALYSIS TO BINARY COMMUNICATIO SYSTEMS EMPLOYING ENVELOPE DETECTION, INCLUDING FSK JULY 1 59
BY METZNER, J J
MORGAN, K C
DDC NR.
CONTRACT NR. AF 19(604)-1964
PROJ/TASK NR. 4602-2
4609

AFCRC-TN-59-563
STANFORD RESEARCH INSTITUTE
EFFECTS OF NUCLEAR RADIATION ON MAGNETIC AND FERROELECTRIC MATERIALS AND QUARTZ A LITERATURE SURVEY JULY 28 1959
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GALEEB W. T. PROJ/TASK NR.

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BY DAMFORTH W. F.; GOLDWATER D. L. — DDC NR., CONTRACT NR., AF 19(604)-5904, PROJ/TASK NR., 4156-66910

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BY ORTNER, J — DDC NR., CONTRACT NR., AF 61(514)-1914, PROJ/TASK NR., 5611

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CONTRACT NR. AF 19(604)-5970
PROJ/TASK NR. 5632

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BY VAN HOOK, H J DDC NR.
CONTRACT NR. AF 19(604)-5511
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AFCRC-TR-60-164
STANFORD UNIVERSITY
DISSIPATION OF CURRENTS IN IONIZED MEDIA, APRIL 29, 1960.
REPRINTED FROM THE PHYSICAL REVIEW, VOL. 119, NO. 3,
903-917, AUGUST 1, 1959
BY RUDERMAN, M. DDC NR.
CONTRACT NR. AF 19(604)-5680
PROJ/TASK NR. 5634-56142

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REPRESENTATION AND ANALYSIS OF SIGNALS, PT VI, SIGNAL-SPACE
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CONTRACT NR. AF 19(604)-1941
PROJ/TASK NR. 5632

AFCRC-TR-60-168
NORTHEASTERN UNIVERSITY
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CONTRACT NR. AF 61(052)-269
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CONTRACT NR. AF 19(604)-5970
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CONTRACT NR. AF 19(604)-5722
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ELECTROMAGNETIC RESEARCH CORPORATION
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BY LUH, P A DDC NR.
SWARM, M M CONTRACT NR. AF 19(604)-6098
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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
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BY STEVENS, K N DDC NR.
CONTRACT NR. AF 19(604)-2061
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AFCRC-TR-60-177
ELECTROMAGNETIC RESEARCH CORPORATION
<U> A REVIEW OF THEORIES AND MEASUREMENTS OF RADAR GROUND
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BY WOLFF, E A DDC NR.
CONTRACT NR. AF 19(604)-5198
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BY CHODOROW, M DDC NR.
CONTRACT NR. AF 19(604)-1930
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BY PUSHKOV, R M DDC NR.
CONTRACT NR. AF 19(604)-5970
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GENERAL ELECTRIC RESEARCH LABORATORY
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CONTRACT NR. AF 19(604)-5551
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BY HAGAFD, N R — DDC NR., CONTRACT NR., AF 19(604)-2269, PROJ/TASK NR., 4603-2

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STANFORD RESEARCH INSTITUTE
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STANFORD RESEARCH INSTITUTE
<U> IONIZATION TRAIL EFFECTS DURING IRBM REENTRY SECRET DEC 59
BY DOLPHIN, JR., L T; LONG, R A; LEADABRAND, R L — DDC NR., CONTRACT NR., AF 19(604)-5209, PROJ/TASK NR.,

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STANFORD RESEARCH INSTITUTE
<U> THE ACANIA RE-ENTRY AND EXHAUST TRAIL MEASUREMENTS PROGRAM SECRET JAN 60
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AFCRC-TN-60-193
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BY LAUF, H — DDC NR., CONTRACT NR., AF 19(604)-5969, PROJ/TASK NR., 4606

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MINNESOTA, UNIVERSITY OF
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BY ANDERSON, D E — DDC NR., CONTRACT NR., AF 19(604)-3890, PROJ/TASK NR., 9630-96307

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<U> UPPER LIMIT TO THE PROBABILITY OF JAMMING SYSTEM A MAR 1960 SECRET
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AFCRC-TN-60-203
HARVARD UNIVERSITY
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<REPR. FR. PARIS SYMPOSIUM ON RADIO ASTRONOMY, IAU SYMPOSIUM #9 AND URSI SYMPOSIUM #1, R. N. BRACE-WELL, ED., STANFORD 1959>
BY THOMPSON A. R. — DDC NR., CONTRACT NR., AF 19(604)-1996, PROJ/TASK NR., 7669-2

AFCRC-TN-60-205
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
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BY NEWELL R F. — DDC NR., CONTRACT NR., AF 19(604)-2291, PROJ/TASK NR.,

AFCRC-TN-60-206
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BY HUNTER, D M — DDC NR., CONTRACT NR., AF 19(604)-1891, PROJ/TASK NR., 7661

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BY JONES, A V; HUNTER, D M — DDC NR., CONTRACT NR., AF 19(604)-1891, PROJ/TASK NR., 7661

AFCRC-TN-60-208
SASKATCHEWAN, UNIVERSITY OF
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AFCRC-TN-60-209
SASKATCHEWAN UNIVERSITY OF
ANALYSIS OF A SPECTROGRAM OF THE RFD AURORA OF FEB 10/11, 1950, IN THE WAVELENGTH RANGE 7300-8700 A 1960
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BY JONES, A V — DDC NR., CONTRACT NR., AF 19(604)-1891, PROJ/TASK NR., 7661

AFCRC-TN-60-210
NAPLES, UNIVERSITY OF
FURTHER EXPERIMENTS OF IONOSPHERIC SELF-MODULATION AT OBLIQUE INCIDENCE JAN 1959
BY CUTOLO, M; CIOFFI, M — DDC NR., CONTRACT NR., AF 61(514)-1299, PROJ/TASK NR., 7669

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BY SWINBANK W. C. — DDC NR., CONTRACT NR., AF 19(604)-2179, PROJ/TASK NR., 7617

AFCRC-TN-60-213
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HARVARD UNIVERSITY
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BY RFLLOGG W. C. DDC NR.
CONTRACT NR. AF 19(604)-6979
PROJ/TASK NR.

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CONTRACT NR. AF 19(604)-1962
PROJ/TASK NR. 7614

AFCRC-TN-60-217
GEORGETOWN UNIVERSITY
<U> AN INVESTIGATION OF THE LEAST SQUARES REDUCTION FOR THE NORTH ATLANTIC HIRAN TIE, N/D(1960>, SECRET
BY BALDINI, A. DDC NR. 321681
BALDINI M. CONTRACT NR. AF 19(604)-2229
MEYDEN, P J. PROJ/TASK NR. 7600-76007

AFCRC-TN-60-218
GEORGETOWN UNIVERSITY
<U> INVESTIGATION OF THE PARAMETERS OF THE ELLIPSOID USING THE HIRAN TRILATERATION NET, N/D<1960>, SECRET
BY BALDINI, A. DDC NR. 321681
BALDINI M. CONTRACT NR. AF 19(604)-2229
MEYDEN, P J. PROJ/TASK NR. 7600-76007

AFCRC-TN-60-220
GEORGETOWN UNIVERSITY
<U> THE DISTANCE BETWEEN CANADA AND IRAN WITH THREE INTERMEDIATE SITES FROM OBSERVATIONS OF THE SOLAR ECLIPSE OF JUNE 30, 1954, N/D<1960>, SECRET
BY MEYDEN, P. J. DDC NR. 321684
BARNES, M. W. CONTRACT NR. AF 19(604)-2229
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AFCRC-TN-60-223
HARVARD UNIVERSITY
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<REPR, FR, SKY AND TELESCOPE, V, XVIII, #10, AUG, 59>
BY THOMPSON A. R. DDC NR.
CONTRACT NR. AF 19(604)-1394
PROJ/TASK NR. 7649-2

AFCRC-TN-60-226
HARVARD UNIVERSITY
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<REPR, FR, PLANET SPACE, SCI, PERGAMON PRESS 1959, V. 1, PP. 129-132>
BY HAWELL, A. DDC NR.
THOMPSON, A. R. CONTRACT NR. AF 19(604)-1394
PROJ/TASK NR. 7649-2

AFCRC-TN-60-229
CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
<U> FACTOR ANALYSIS AND STEPWISE REGRESSION APPLIED TO THE 24-HOUR PREDICTION OF 500-MB WINDS, TEMPERATURES, AND HEIGHTS OVER A SILENT AREA CONFIDENTIAL FEB 60
BY AUBERT, E J. DDC NR.
LUND, I A. CONTRACT NR.
THOMASELL, JR, A. PROJ/TASK NR. 8641-2
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AFCRC-TN-60-226
INTERNATIONAL INSTITUTE OF METEOROLOGY<SWEDEN>
ON VERTICAL MOTIONS AND TRANSVERSAL CIRCULATIONS AT THE EASTERN AND WESTERN SIDE OF LONG-WAVE DISTURBANCES IN THE SUMMER SUBTROPICAL JETSTREAM 1959
BY DEFANT F DDC NR.
CONTRACT NR. AF 61(514)-963
PROJ/TASK NR. 7699-5

AFCRC-TN-60-227
INTERNATIONAL INSTITUTE OF METEOROLOGY<SWEDEN>
A SYNOPTIC INVESTIGATION OF THE FLOW AND MASS FIELD IN THE CLOSE VICINITY OF THE SUMMER SUBTROPICAL JET STREAM RELATIVE TO THE JET-AXIS 1959
BY DEFANT F DDC NR.
CONTRACT NR. AF 61(514)-963
PROJ/TASK NR. 7699-5

AFCRC-TN-60-228
SOUTHERN CALIFORNIA, UNIVERSITY OF
PHOTOIONIZATION INDUCED ION-MOLECULE REACTIONS IN A MASS SPECTROMETER, JUNE 1, 1959.
BY COOK, G R. DDC NR.
SAMSON J. A. R. CONTRACT NR. AF 19(604)-2049
WEISLER, G. L. PROJ/TASK NR. 7659

AFCRC-TN-60-229
OKLAHOMA STATE UNIVERSITY
RESEARCH DIRECTED TOWARD THE DESIGN, DEVELOPMENT, AND CONSTRUCTION OF METEORITIC MICROPHONE DETECTORS OF VARIOUS SENSITIVITIES FOR USE IN SATELLITES JAN 15 60
BY HARRINGTON M. E. DDC NR.
CONTRACT NR. AF 19(604)-5719
PROJ/TASK NR.

AFCRC-TN-60-230
JOHNS HOPKINS UNIVERSITY
THE FIRST AND SECOND POSITIVE BANDS OF N2
BY DIEKE G. H. DDC NR.
HEATH D. F. CONTRACT NR. AF 19(604)-5518
PROJ/TASK NR.

AFCRC-TN-60-231
WEATHER SERVICES, INCORPORATED
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CONTRACT NR. AF 19(604)-1961
PROJ/TASK NR. 7694-1

AFCRC-TN-60-234
CHICAGO, UNIVERSITY OF
RESONANCE SCATTERING ATMOSPHERIC SODIUM-VII, MEASUREMENT OF THE VERTICAL DISTRIBUTION IN TWILIGHT, 1960
REPR, FR, JOURN, OF ATMOSPHERIC AND TERRESTRIAL PHYSICS, 1960, V. 17, PP. 209-219
BY RUNDLE, H. N. DDC NR.
HUNTER, D. M. CONTRACT NR. AF 19(604)-3044
CHAMBERLAIN, J W PROJ/TASK NR.

AFCRC-TN-60-235
CHICAGO, UNIVERSITY OF
EXCITATION OF O2 ATMOSPHERIC BANDS IN THE AURORA, 1960
REPR, FR, PLANETARY AND SPACE SCIENCE, V, 2, #1, PP, 73-75
BY WALLACE, L DDC NR.
CHAMBERLAIN, J W CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

AFCRC-TN-60-236
CHICAGO, UNIVERSITY OF
ON THE POLARIZATION OF THE OXYGEN RED LINE IN AURORAE, 1960
REPR, FR, PLANETARY AND SPACE SCIENCE, V, 2, #1, PP, 73-75
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CONTRACT NR. AF 19(604)-3044
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CHICAGO, UNIVERSITY OF
INTERPLANETARY GAS, II, EXPANSION OF A MODEL SOLAR CORONA, 1960
REPR, FR, THE ASTROPHYSICAL JOURN, V, 131, #1, JAN 60
BY CHAMBERLAIN, J W DDC NR.
CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

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CHICAGO, UNIVERSITY OF
THE NIGHTLY VARIATION OF AURORAS AT A SUBAURORAL STATION, 1960
REPR, FR, JOURN, OF GEOPHYSICAL RESEARCH, V, 65, #1 JAN 60
BY CHAMBERLAIN, J W DDC NR.
CONTRACT NR. AF 19(604)-3044
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CHICAGO, UNIVERSITY OF
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BY CHAMBERLAIN J. W. DDC NR.
SAGAN, C. CONTRACT NR. AF 19(604)-3044
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CHICAGO, UNIVERSITY OF
NOTE ON AIRGLOW TEMPERATURE DETERMINATION FROM OH SPECTRA, REPR, FR, JOURN, OF GEOPHYSICAL RESEARCH V, 65, #3, MAR 60
BY WALLACE, L DDC NR.
CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

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CHICAGO, UNIVERSITY OF
NOTE ON THE SPECTRUM OF LIGHTNING IN THE REGION 3670 TO 4280 A, 1960
REPR, FR , JOURN, OF GEOPHYSICAL RESEARCH, V, 65, #4, APR 60
BY WALLACE, L DDC NR.
CONTRACT NR. AF 19(604)-3044
PROJ/TASK NR.

AFCRC-TN-60-243
HARVARD UNIVERSITY
CLASSIFICATION OF SOLAR PROMINENCES-IX- 1946 MAR 60
BY MENZEL D H. DDC NR.
JONES F. S CONTRACT NR. AF 19(604)-6962
PROJ/TASK NR.

AFCRC-TN-60-244
QUEEN-S UNIVERSITY
PERTURBATION THEORY FOR ATOMIC SYSTEMS JAN 1959
PROC ROYAL SOC A, V. 251 282-299 1959
BY DALGARNO, A DDC NR.
CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7699

AFCRC-TN-60-245
QUEEN-S UNIVERSITY
VARIATIONAL CALCULATIONS OF THE 1S-2S ELECTRON EXCITATION CROSS SECTION OF HYDROGEN DEC 1958
PROC PHYS SOC 73 919 1959
BY LYNN, N DDC NR.
CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7699

AFCRC-TN-60-246
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POLARIZABILITIES OF ATOMS FROM BORON TO NEON 1959
PROC ROYAL SOC A, V. 250 422-436 1959
BY DALGARNO, A DDC NR.
PARKINSON, D CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7699

AFCRC-TN-60-247
QUEEN-S UNIVERSITY
CROSS SECTIONS FOR 2-SHELL IONIZATION OF ATOMIC NITROGEN AND OXYGEN BY ELECTRONS AND PROTONS NOV 1958
J ATMOS & TERREST PHYS 14 177-179 1959
BY ASTRUMS, G M DDC NR.
CONTRACT NR. AF 61(052)-131
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IMPORTANCE OF DISTORTION IN INELASTIC ENCOUNTERS BETWEEN HEAVY SYSTEMS SPP 1958
PROC PHYS SOC 73 227-1959
BY RATES, D P — DDC NR. — CONTRACT NR. AF 61<052>-191 — PROJ/TASK NR. 7639

AFCRC-TN-60-249
NEW YORK UNIVERSITY
UPPER BOUNDS ON ELECTRON-ATOMIC HYDROGEN SCATTERING LENGTHS FEB 60
BY ROSENBERG, L; SPRUCH, L; O-MALLEY, T F — DDC NR. — CONTRACT NR. AF 19<604>-6595 — PROJ/TASK NR. 2360

AFCRC-TN-60-250
LOCKHEED AIRCRAFT CORPORATION
<U> ANALYSIS OF REDWING ABSORPTION SHELLS SECRET RESTRICED DATA OCT 59
BY MEYEROTT, R E; LANDSHOFF, R K M; SOKOLOFF, J — DDC NR. — CONTRACT NR. AF 19<604>-3893 — PROJ/TASK NR.

AFCRC-TN-60-251
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
AN ESTIMATE OF PRECIPITABLE WATER ALONG HIGH-ALTITUDE RAY PATHS MAR 1960
BY GUTNICK, M — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 8626-86261

AFCRC-TN-60-253
ALLIED RESEARCH ASSOCIATES, INC.
THE INFRA-RED VIEW OF THE ATMOSPHERE, DECEMBER 24, 1959.
BY GLASER, A. H.; MILFORD, S. N. — DDC NR. — CONTRACT NR. AF 19<604>-3881 — PROJ/TASK NR. 7652

AFCRC-TN-60-254
TEXAS, A&M COLLEGE OF
MICROMETEOROLOGICAL OBSERVATIONS OVER NON-IDEAL SURFACES DEC 1959
BY FRANCESCHINI, G A — DDC NR. — CONTRACT NR. AF 19<604>-2250 — PROJ/TASK NR. 7618

AFCRC-TN-60-255
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE DESIGN OF INFRARED EQUIPMENT FOR SATELLITE DETECTION SEP 59
BY RORCHERT, C F — DDC NR. — CONTRACT NR. AF 19<604>-6567 — PROJ/TASK NR.

AFCRC-TN-60-256
CALIFORNIA, UNIVERSITY OF
SCATTERING PROPERTIES OF ATMOSPHERIC AEROSOLS OCT 59
BY FRASER R S. — DDC NR. — CONTRACT NR. AF 19<604>-2629 — PROJ/TASK NR.

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COLUMBIA UNIVERSITY
SEISMIC STUDIES OF THE ARCTIC OCEAN FLOOR, OCTOBER 1960.
BY HUNKINS, K. — DDC NR. 266262 — CONTRACT NR. AF 19<604>-2030 — PROJ/TASK NR. 7628

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COLUMBIA UNIVERSITY
DREDGED GRAVELS FROM THE CENTRAL ARCTIC OCEAN, OCTOBER 1960.
BY SCHWARZACHER W. — DDC NR. 266263
HUNKINS, K. — CONTRACT NR. AF 19<604>-2030 — PROJ/TASK NR. 7628

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COLUMBIA UNIVERSITY
PRELIMINARY RESULTS OF INVESTIGATIONS ON ARCTIC DRIFT STATION CHARLIE OCTOBER 1960.
BY CROMIE, W J. — DDC NR. 252176 — CONTRACT NR. AF 19<604>-2030 — PROJ/TASK NR. 7628

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OHIO STATE UNIVERSITY
OPTICAL CONSTANTS OF SOME IONIC CRYSTALS IN THE REGION OF THEIR FAR INFRARED FIGEN-FREQUENCIES NOV 17 59
BY BELL, E E; BROWN R L. — DDC NR. — CONTRACT NR. AF 19<604>-6119 — PROJ/TASK NR. 8603

AFCRC-TN-60-261
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BY HOBBIE J E. — DDC NR. — CONTRACT NR. AF 19<604>-2159 — PROJ/TASK NR. 7606-4

AFCRC-TN-60-262
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ANALYZING AND FORECASTING METEOROLOGICAL CONDITIONS IN THE UPPER TROPOSPHERE AND LOWER STRATOSPHERE APR 60
BY ERDLICH, R M; MCLEAN, G S — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7623-8626 — PROJ/TASK NR. 8626

AFCRC-TN-60-263
KANSAS STATE UNIVERSITY
THE SPECTRA OF NITROGEN OXIDES, III, THE SPECTRUM OF N2O3 FEB 60
BY MISATSUNE, I C — DDC NR. — CONTRACT NR. AF 19<604>-2279 — PROJ/TASK NR.

AFCRC-TN-60-264
DENVER, UNIVERSITY OF
INSTRUMENTATION FOR BALLOON-BORNE INFRARED SPECTRAL TRANSMISSION MEASUREMENTS OF THE ATMOSPHERE FEB 8 60
BY MURCRAY, D G; BROOKS, J N; MURCRAY, F H; WILLIAMS, W J; LESLIE, R F — DDC NR. — CONTRACT NR. AF 19<604>-2069 — PROJ/TASK NR. 7676-1

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DENVER, UNIVERSITY OF
A STUDY OF 1.4 MICRON 1.9 MICRON AND 6.3 MICRON WATER VAPOR BANDS AT HIGH ALTITUDES FEB 18 60
BY MURCRAY, D; MURCRAY, ; WILLIAM J; LESLIE, R F — DDC NR. — CONTRACT NR. AF 19<604>-2069 — PROJ/TASK NR. 7676-1

AFCRC-TN-60-266
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> ANALYSIS AND PREDICTION OF THE 500-MB SURFACE IN A SILENT AREA CONFIDENTIAL MAY 60
BY AUBERT, E J — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 8661-2

AFCRC-TN-60-267
PENNSYLVANIA STATE UNIVERSITY
IONOSPHERIC ELECTRON DENSITIES FOR WASHINGTON, D.C., PANAMA TALARA, AND HUANCAYO FOR APRIL-MAY-JUNE 1958 JAN 15 60
BY SCHMERLING, E R — DDC NR. — CONTRACT NR. AF 19<604>-3879 — PROJ/TASK NR.

AFCRC-TN-60-268
MANCHESTER, UNIVERSITY OF
STUDIES IN LUNAR TOPOGRAPHY, IV, MEASURED PROFILES OF THE MOON-S SURFACE AND THE ESTIMATES OF MAGNITUDES OF THE ERRORS IN RELATIVE ALTITUDE 1960
BY FIELDER, G — DDC NR. — CONTRACT NR. AF 61<052>-168 — PROJ/TASK NR. 7621

AFCRC-TN-60-269
MANCHESTER, UNIVERSITY OF
STUDIES IN LUNAR TOPOGRAPHY, V, SYSTEMATIC MICRODENSITOMETRIC TECHNIQUE AND ITS APPLICATION TO FORMATIONS IN THE MARE IMBRIUM, NOV 1959
BY RACEHAM, I — DDC NR. — CONTRACT NR. AF 61<052>-168 — PROJ/TASK NR. 7621

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MANCHESTER, UNIVERSITY OF
STUDIES IN LUNAR TOPOGRAPHY, VI, MEASURED HEIGHTS OF MOUNTAINS IN THE SOUTH EASTERN PART OF MARE TRANQUILLITATIS NOV 1959
BY TURNER, G — DDC NR. — CONTRACT NR. AF 61<052>-168 — PROJ/TASK NR. 7621

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MANCHESTER UNIVERSITY OF
STUDIES IN LUNAR TOPOGRAPHY, VII, MEASUREMENTS OF THE HEIGHT OF THE WALLS OF THE CRATER ARCHIMEDES DEC 1959
BY TURNER, G — DDC NR. — CONTRACT NR AF 61<052>-168 — PROJ/TASK NR. 7621

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STANFORD RESEARCH INSTITUTE
ATMOSPHERIC RADIATIVE HEATING AND COOLING MAR 60
BY COULSON, K L — DDC NR. — CONTRACT NR. AF 19<604>-5965 — PROJ/TASK NR.

AFCRC-TN-60-274
ARCTIC INSTITUTE OF NORTH AMERICA
NORTHERN ELLESMERE ISLAND, CAPE ALDRICH TO CAPE APR 1959
BY LOTZ, J R — DDC NR. — CONTRACT NR. AF 19<604>-3073 — PROJ/TASK NR. 7628

AFCRC-TN-60-275
ALASKA, UNIVERSITY OF
EXPERIMENT LUSTHOUSE FEB 60
BY RIMI, G C — DDC NR. — CONTRACT NR. AF 19<604>-5880 — PROJ/TASK NR.

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HARVARD UNIVERSITY
SOLAR RADIO BURSTS AND LOW-ENERGY COSMIC-RAYS APR 60
BY THOMPSON, A R; MAXWELL, A — DDC NR. — CONTRACT NR. AF 19<604>-1394 — PROJ/TASK NR. 7600-2

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KANSAS STATE UNIVERSITY
THE SPECTRA OF NITROGEN OXIDES, II, THE URFY-BRADLEY FORCE CONSTANTS IN N2O4 AND THE INFRARED SPECTRUM OF SOLID N2I4O4 FEB 60
BY MISATSUNE, I C — DDC NR. — CONTRACT NR. AF 19<604>-2259 — PROJ/TASK NR.

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SASKATCHEWAN, UNIVERSITY OF
RELATIVE INTENSITY OF NITROGEN BAND SYSTEMS IN AURORA DEC 1959
BY MUNTEAN, D M — DDC NR. — CONTRACT NR. AF 19<604>-1891 — PROJ/TASK NR. 7661

AFCRC-TN-60-279
SASKATCHEWAN, UNIVERSITY OF
POSSIBLE METHODS FOR STUDYING THE AURORAL SPECTRUM IN THE 2.6 TO 3.5 REGION NOV 1959
BY JONES, A V — DOC NR. — CONTRACT NR. AF 19(604)-1891 — PROJ/TASK NR. 7661

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OKLAHOMA STATE UNIVERSITY
AEROBEE RANGE SAFETY EQUIPMENT MAR 1 60
BY COOPER O L — DOC NR. — CONTRACT NR. AF 19(604)-2029 — PROJ/TASK NR. 7659-8

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NEW MEXICO, UNIVERSITY OF
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BY MEMORY, D G; DUNCAN, R M; HAAS, M W — DOC NR. — CONTRACT NR. AF 19(604)-2188 — PROJ/TASK NR. 7659-8

AFCRC-TN-60-282
SHEFFIELD, UNIVERSITY OF
INTRAMOLECULAR AND INTERMOLECULAR ENERGY CONVERSION INVOLVING CHANGE OF MULTIPLICITY JAN 1960
FARADAY SOC, DICUSSIONS #27, 1959
BY PORTER, G; WRIGHT, M R — DOC NR. — CONTRACT NR. AF 61(052)-92 — PROJ/TASK NR. 6694

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DURHAM, UNIVERSITY OF
VARIATIONS OF THE SEA LEVEL MUON FLUX JAN 1960
BY O-CONNOR, P V; WOLFENDALE, A W — DOC NR. — CONTRACT NR. AF 61(052)-27 — PROJ/TASK NR. 8600

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HARVARD UNIVERSITY
TWILIGHT INTENSITY AT 20° ELEVATION JAN 60
BY VOLZ, F; GOODY, R M — DOC NR. — CONTRACT NR. AF 19(604)-6946 — PROJ/TASK NR.

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AVCO CORPORATION
RESEARCH IN AEROSOL SCATTERING IN THE INFRARED MIE SCATTERING IN THE FOWARD AREA FEB 60
BY PENNDORF, R — DOC NR. — CONTRACT NR. AF 19(604)-5761 — PROJ/TASK NR.

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A METHOD FOR PREDICTING THE LIFETIME OF A NEAR SATELLITE, JANUARY 1960.
BY GOOD, R. E. — DOC NR. — CONTRACT NR. AF 19(604)-5894 — PROJ/TASK NR. 1770

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OSLO, UNIVERSITY OF
STUDIES OF THE EXCITATION OF AURORA BOREALIS, II, THE FORBIDDEN OXYGEN LINES 1959
GEOPHYS NORVEGICA V. 21, #1
BY ORNHOLT, A — DOC NR. — CONTRACT NR. AF 61(514)-1123 — PROJ/TASK NR. 7661

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HARVARD UNIVERSITY
MULTICOLOR PHOTOMETRY OF MARS IN 1958 APR 15 60
REPR, FR, PLANET SPACE SCI., V. 2, PP. 28-32
BY DE VAUCOULEURS, G — DOC NR. — CONTRACT NR. AF 19(604)-3074 — PROJ/TASK NR.

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NEW HAMPSHIRE, UNIVERSITY OF
ON THE LONG-TERM VARIATION IN THE COSMIC RADIATION, 1960
REPR, FR, JOURN. OF GEOPHYSICAL RESEARCH, V. 65, #1, JAN 60
BY LOCKWOOD, J A — DOC NR. — CONTRACT NR. AF 19(604)-6952 — PROJ/TASK NR.

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NEW HAMPSHIRE, UNIVERSITY OF
DECREASE OF COSMIC-RAY INTENSITY ON FEBRUARY 11, 1958 1960
REPR, FR, JOURNAL OF GEOPHYSICAL RESEARCH, V. 64, #1, JAN 60
BY LOCKWOOD, J A — DOC NR. — CONTRACT NR. A 19(604)-6952 — PROJ/TASK NR.

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ALASKA, UNIVERSITY OF
EARTH CURRENT ACTIVITY AT COLLEGE ALASKA 1956-1958 FEB 60
BY HESSLER, V P — DOC NR. — CONTRACT NR. AF 19(604)-3079 — PROJ/TASK NR.

AFCRC-TN-60-294
NEW MEXICO, UNIVERSITY OF
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BY MEMORY, D G; DUNCAN, R M; HAAS, M W — DOC NR. — CONTRACT NR. AF 19(604)-2188 — PROJ/TASK NR. 7659-8

AFCRC-TN-60-296
LIEGE, UNIVERSITY OF
HELIOGRAPHIC POSITIONS OF TEN COMETS JAN 1960
BY — DOC NR. — CONTRACT NR. AF 61(052)-26 — PROJ/TASK NR. 8605

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LIEGE, UNIVERSITY OF
RELATIVE INTENSITIES OF FORBIDDEN OI LINES IN AN EXPANDING STELLAR ATMOSPHERE JAN 1960
BY — DOC NR. — CONTRACT NR. AF 61(052)-26 — PROJ/TASK NR. 8605

AFCRC-TN-60-298
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A DISCUSSION OF THE CALDER EQUATION FOR DIFFUSION FROM A CONTINUOUS POINT SOURCE MAY 60
BY ELLIOTT, W P — DOC NR. — CONTRACT NR. — PROJ/TASK NR. 7657-1

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CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
LAGRANGIAN AND EULERIAN RELATIONSHIPS IN THE ABSENCE OF BOTH HOMOGENEITY AND TIME STEADINESS MAY 60
BY BARAD, M L; MAUGER, D A — DOC NR. — CONTRACT NR. — PROJ/TASK NR. 8604

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CHALMERS UNIVERSITY OF TECHNOLOGY (SWEDEN)
ON THE PROPERTIES OF THE ELECTRON BEAM IN THE PRESENCE OF AN AXIAL MAGNETIC FIELD OF ARBITRARY STRENGTH JUNE 59
BY WILHELMSSON, H — DOC NR. — CONTRACT NR. AF 61(052)-199 — PROJ/TASK NR. 5630

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CHALMERS UNIVERSITY OF TECHNOLOGY (SWEDEN)
THE INTERACTION BETWEEN AN OBLIQUELY INCIDENT PLANE ELECTROMAGNETIC WAVE AND AN ELECTRON BEAM PART III JUNE 59
BY WILHELMSSON, H — DOC NR. — CONTRACT NR. AF 61(052)-199 — PROJ/TASK NR. 5630

AFCRC-TN-60-352
CHALMERS UNIVERSITY OF TECHNOLOGY (SWEDEN)
THE INFLUENCE OF THE ELECTRON VELOCITY DISTRIBUTION ON SPACE CHARGE WAVES JUNE 59
BY BYDBECK, O; WILHELMSSON, H — DOC NR. — CONTRACT NR. AF 61(052)-199 — PROJ/TASK NR. 5630

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CHALMERS UNIVERSITY OF TECHNOLOGY (SWEDEN)
OSCILLATORY PROPERTIES OF GYROMAGNETIC ELECTRONIC COLD PLASMAS WITH DRIFT MOTION JUNE 59
BY WILHELMSSON, H — DOC NR. — CONTRACT NR. AF 61(052)-199 — PROJ/TASK NR. 5630

AFCRC-TN-60-356
FRIEDMAN INC
USE OF BIODURRENTS FOR CONTROL PURPOSES APR 1960
BY KORRINSEIL, A F — DOC NR. — CONTRACT NR. AF 19(604)-5970 — PROJ/TASK NR. 5647

AFCRC-TN-60-359
FRIEDMAN INC
ON THE CANONIC TRANSFORMATION IN CLASSICAL AND QUANTUM MECHANICS APR 1960
BY FOCK, V A — DOC NR. — CONTRACT NR. AF 19(604)-5969 — PROJ/TASK NR. 6600

AFCRC-TN-60-356
FRIEDMAN INC
ON THE FUNDAMENTAL AXIOM OF THE THEORY OF SPECIAL RELATIVITY APR 1960
BY MOLLERS, J — DOC NR. — CONTRACT NR. AF 19(604)-5969 — PROJ/TASK NR. 6600

AFCRC-TN-60-357
GENERAL ELECTRIC RESEARCH LABORATORY
THE DIFFUSION RATE OF LI IN SI AT LOW TEMPERATURES MAR 28 60
BY PELL, E M — DOC NR. — CONTRACT NR. AF 19(604)-5991 — PROJ/TASK NR. 5620-56202

AFCRC-TN-60-358
REMINGTON RAND UNIVAC
MATHEMATICAL CIRCUIT ANALYSIS AND DESIGN FEB 29 60
BY AZZARI, A; EASEFY, G; PRYWES, N; STEINBERG, L; STEINBERG, P — DOC NR. — CONTRACT NR. AF 19(604)-5189 — PROJ/TASK NR. 5632-56321

AFCRC-TN-60-359
CORNELL UNIVERSITY
SCIENTIFIC EXPERIMENTS FOR THE ARECIBO RADIO OBSERVATORY MAR 31 60
BY — DOC NR. — CONTRACT NR. AF 19(604)-6158

AFCRC-TN-60-360
JOHNS HOPKINS UNIVERSITY
REPRESENTATION AND ANALYSIS OF SIGNALS, PART VII, SIGNAL DETECTION IN A NOISY WORLD, SEPTEMBER 15, 1960.
BY HIGGINS, W. M. — DOC NR. 269887 — CONTRACT NR. AF 19(604)-1961 — PROJ/TASK NR. 5632-56321

AFCRC-TN-60-361
MELLON INSTITUTE
HIGH TEMPERATURE PRINTED CIRCUITRY, COMPUTER COMPONENTS FELLOWSHIP NO. 547 APR-JUNE 1959 JUNE 1959
BY YOUNG, G M; WILKINS, C H T — DOC NR. — CONTRACT NR. AF 19(604)-1959 — PROJ/TASK NR. 6155

AFCRC-TN-60-962
AVCO CORPORATION
RESEARCH CONCERNING FORECASTING ANOMALOUS PROPAGATION AT HIGH LATITUDES, ANOMALOUS FOF2 VARIATIONS IN THE ANTARCTIC APR 60
BY HILL, G F — DOC NR. — CONTRACT NR. AF 19(604)-6092 — PROJ/TASK NR. 5630-2

AFCRC-TN-60-963
STANFORD UNIVERSITY
RADAR MEASUREMENTS OF METEOR ACTIVITY WITH APPLICATIONS TO COMMUNICATIONS APR 1960
BY MCDONOUGH, R F — DOC NR. — CONTRACT NR. AF 19(604)-2191 — PROJ/TASK NR. 4601

AFCRC-TN-60-964
TRG INC
YAGI ANTENNA STUDY JAN 1960
BY KAY, A F — DOC NR. — CONTRACT NR. AF 19(604)-3676 — PROJ/TASK NR. 4600

AFCRC-TN-60-965
HARVARD UNIVERSITY
LOOP ANTENNA COUPLED ELECTROMAGNETICALLY TO A FOUR-WIRE TRANSMISSION LINE TO ACHIEVE THE CIRCULARLY POLARIZED RADIATION JAN 1960
BY CHEN, K M — DOC NR. — CONTRACT NR. AF 19(604)-4118 — PROJ/TASK NR. 5635

AFCRC-TN-60-966
NEW YORK UNIVERSITY
TOPICS IN THE THEORY OF DISCRETE INFORMATION CHANNELS APR 60
BY SILVERMAN, R A; CHANG, S H — DOC NR. — CONTRACT NR. AF 19(604)-5238 — PROJ/TASK NR. 5631

AFCRC-TN-60-967
HARVARD UNIVERSITY
MICROWAVE RESONANCE IN FERROMAGNETIC SYSTEMS AT HIGH SIGNAL LEVELS DEC 1959
BY GREEN, J J — DOC NR. — CONTRACT NR. AF 19(604)-5487 — PROJ/TASK NR. 5639

AFCRC-TN-60-968
STANFORD RESEARCH INSTITUTE
<U> RADAR OBSERVATIONS OF MISSILE LAUNCHINGS SECRET MAR 60
BY DOLPHIN, JR., L T; LONG, R A — DOC NR. — CONTRACT NR. AF 19(604)-5209 — PROJ/TASK NR.

AFCRC-TN-60-969
STANFORD RESEARCH INSTITUTE
<U> RADAR EFFECTS OBSERVED DURING MISSILE LAUNCHINGS SECRET MAR 60
BY DOLPHIN, JR ., L T; LONG, R A — DOC NR. — CONTRACT NR. AF 19(604)-5209

AFCRC-TN-60-970
CENTRO DI STUDIO PER LA FISICA D-MICROONDE, ITALY
TECHNIQUES AND EQUIPMENTS FOR DOPPLER OBSERVATIONS OCT 1959
BY CHECCACCI, P F — DOC NR. — CONTRACT NR. AF 61(052)-182 — PROJ/TASK NR. 5631

AFCRC-TN-60-971
HARVARD UNIVERSITY
RADIATION PATTERNS PRODUCED BY A LINEAR ARRAY OF HALF-WAVE DIPOLES COUPLED ELECTROMAGNETICALLY TO A TWO-WIRE TRANSMISSION LINE JAN 1960
BY SENGUPTA, D L — DOC NR. — CONTRACT NR. AF 19(604)-4118 — PROJ/TASK NR. 5635

AFCRC-TN-60-972
TRANSITRON ELECTRONIC CORPORATION
THE EPITAXIAL GROWTH OF HEXAGONAL SILICON CARBIDE ONTO SEEDS APR 1 60
BY HERGENROTHER, R W — DOC NR. — CONTRACT NR. AF 19(604)-4989 — PROJ/TASK NR. 5621

AFCRC-TN-60-973
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
FORMANT BAND WIDTHS AND VOWEL PREFERENCE, 1960
REPR, FR. THE JOURN. OF SPEECH AND HEARING RESEARCH, V . 3, #1, MARCH 1960
BY HOUSE, A S — DOC NR. — CONTRACT NR. AF 19(604)-2061 — PROJ/TASK NR. 4602-1

AFCRC-TN-60-974
SPERRY GYROSCOPE CO
BEAM-GENERATED BEAM PLASMA SYSTEM MAR 1960
BY WANG, C C; HOPSON, J F — DOC NR. — CONTRACT NR. AF 19(604)-5555 — PROJ/TASK NR. 4761

AFCRC-TN-60-975
LOCKHEED AIRCFT CORP
<U> STUDY ON BALLISTIC-MISSILE SORTING BASED ON RADAR CROSS-SECTION DATA SECRET FEB 1960
BY RIEDEL, A F — DOC NR. — CONTRACT NR. AF 19(604)-5550 — PROJ/TASK NR. 4761

AFCRC-TN-60-976
OHIO STATE UNIVERSITY
EVALUATION OF INCOMPLETE NORMALIZATION INTEGRALS AND DERIVATIVES WITH RESPECT TO THE ORDER OF ASSOCIATED LEGENDRE POLYNOMIALS APR 1960
BY TSU, R — DOC NR. — CONTRACT NR. AF 19(604)-6197 — PROJ/TASK NR. 4600

AFCRC-TN-60-977
ILLINOIS INSTITUTE OF TECHNOLOGY
<U> ON THE ISOTROPIC ARTIFICIAL DIELECTRIC AND ITS APPLICATION TO ELECTROMAGNETIC ABSORBERS APR 1960
CONFIDENTIAL
BY PAPAS, C H — DOC NR. — CONTRACT NR. AF 19(604)-5868 — PROJ/TASK NR. 5566

AFCRC-TN-60-978
BROWN UNIVERSITY
INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER SEMICONDUCTORS, PHASE I AND PHASE II APR 60
BY FARNSWORTH, H F; HARTMAN, R; MADEROSKI, V; OTLLOW, JR., J A; OWAN, W H — DOC NR. — CONTRACT NR. AF 19(604)-5986 — PROJ/TASK NR. 5621

AFCRC-TN-60-979
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
JFBWY AN IMPROVED HOMEOSTAT APR 1960
BY HAROULES, G G — DOC NR. — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TN-60-980
CASE INSTITUTE OF TECHNOLOGY
SCATTERING OF PLANE WAVE ON A FERRITE CYLINDER AT NORMAL INCIDENCE FEB 29 60
BY FOGIMANN, W H — DOC NR. — CONTRACT NR. AF 19(604)-3887 — PROJ/TASK NR. 4600-46017

AFCRC-TN-60-981
CASE INSTITUTE OF TECHNOLOGY
EVALUATION OF DYNAMIC INTERACTION FIELDS IN A TWO DIMENSIONAL LATTICE MAR 19 60
BY COLLIN, R F; FOGIMAN, W H — DOC NR. — CONTRACT NR. AF 19(604)-3887 — PROJ/TASK NR. 4600-46017

AFCRC-TN-60-982
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
THIN FILM EVAPORATION TECHNIQUES MAR 1960
BY BERMAN, I — DOC NR. — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TN-60-983
STANFORD UNIV
WALKER MODES IN LARGE FERRITE SAMPLES APR 1960
BY AULD, B A — DOC NR. — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 4619

AFCRC-TN-60-984
NORTHEASTERN UNIVERSITY
DIGITAL SIMULATION STUDY OF GAME-THEORETIC MODELS OF AN AIR TRAFFIC CONTROL SYSTEM APR 21 60
BY LETSON, J F — DOC NR. — CONTRACT NR. AF 19(604)-4979 — PROJ/TASK NR. 5632-2

AFCRC-TN-60-985
FRANKLIN INSTITUTE
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS APR 19 60
BY DANFORTH, W E; GOLDWATER, D L — DOC NR. — CONTRACT NR. AF 19(604)-5904 — PROJ/TASK NR. 4156-46310

AFCRC-TN-60-986
GENERAL ELECTRIC
EFFECT OF LI-A ION PAIRS ON LI+ ION DRIFT IN SI APR 20 60
BY PELL, E M — DOC NR. — CONTRACT NR. AF 19(604)-5551 — PROJ/TASK NR. 5620-2

AFCRC-TN-60-987
HARVARD UNIV
DIPOLE ANTENNA COUPLED ELECTROMAGNETICALLY TO A TWO-WIRE TRANSMISSION LINE <THEORETICAL AND EXPERIMENTAL STUDIES> MAR 1960
BY CHEN, K M — DOC NR. — CONTRACT NR. AF 19(604)-4118 — PROJ/TASK NR. 5635

AFCRC-TN-60-988
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
MEASUREMENT TECHNIQUE FOR NARROW LINE-WIDTH FERROMAGNETS MAY 1960
BY MASTER, J I; CAPONE, B A — DOC NR. — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TN-60-990
STANFORD UNIVERSITY
DISCUSSION OF PERIODICALLY LOADED WAVEGUIDES, BASED ON THEIR REPRESENTATION BY A PERIODICALLY COUPLED MODAL TRANSMISSION LINES APR 1960
BY FEUCHTWANG, E T — DOC NR. — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 4619

AFCRC-TN-60-991
NEW YORK UNIVERSITY
AN ACCURATE BOUNDARY CONDITION TO REPLACE TRANSITION CONDITIONS AT DIELECTRIC-DIELECTRIC INTERFACES MAY 60
BY KARP, J; KARP, S N — DOC NR. — CONTRACT NR. AF 19(604)-5238 — PROJ/TASK NR. 5631

AFCRC-TN-60-992
NEW YORK UNIVERSITY
RADIO PROPAGATION PAST A PAIR OF DIELECTRIC INTERFACES MAY 1960
BY KARP, J; KARP, S N — DOC NR. — CONTRACT NR. AF 19(604)-5238 — PROJ/TASK NR. 5635

AFCRC-TN-60-393
NEW YORK UNIVERSITY
VIRTUAL MASS OF A FINITE CONICAL SHELL MAY 1960
BY RICH, F J — DDC NR.
KARP, S N — CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5935

AFCRC-TN-60-394
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS FEB 1960
BY GILDEN, M — DDC NR.
HONDA, J S — CONTRACT NR. AF 19(604)-2240
PROJ/TASK NR. 4960

AFCRC-TN-60-395
TRANSISTOR APPLICATIONS INC
RESEARCH DIRECTED TOWARD THE STUDY, ANALYSIS AND DESIGN OF TRANSISTOR CIRCUITS APR 1960
BY CARLSON, A W — DDC NR.
CONTRACT NR. AF 19(604)-4089
PROJ/TASK NR. 4610

AFCRC-TN-60-396
NEW YORK UNIVERSITY
A NOTE ON THE LOCAL STRUCTURE OF SHOT NOISE MAY 60
APR 18 60
BY SILVERMAN, R A — DDC NR.
CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5631

AFCRC-TN-60-397
CORNELL UNIVERSITY
SCATTERING OF RADIO WAVES BY ELECTRONS ABOVE THE IONOSPHERE
BY SALPETER, E E — DDC NR.
CONTRACT NR. AF 19(604)-6150
PROJ/TASK NR.

AFCRC-TN-60-398
STANFORD RESEARCH INSTITUTE
<U> ACANIA EXHAUST TRAIL AND RE-ENTRY MEASUREMENTS PROGRAM APR 1960 SECRET
BY DOLPHIN, JR., L T — DDC NR.
LONG, R A — CONTRACT NR. AF 19(604)-5209
PROJ/TASK NR. 4985

AFCRC-TN-60-399
SYLVANIA ELECTRIC PRODUCTS, INC.
INVESTIGATION OF SOME SEMICONDUCTOR SWITCHING ELEMENTS AND THEIR APPLICATION TO A SINGLEPOLE EIGHT-THROW SWITCH APR 1 60
BY MILLER, S M — DDC NR.
CONTRACT NR. AF 19(604)-5476
PROJ/TASK NR. 4616-1

AFCRC-TN-60-400
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
DIFFUSION-DEPOSITION MODEL FOR IN-FLIGHT RELEASE OF FISSION FRAGMENTS JUNE 1960
BY BARAD, M L — DDC NR.
MAUGER, D A — CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-60-401
LITGF, UNIVERSITY OF
RELATIONS BETWEEN COMETARY AND SOLAR ACTIVITY MAR 1960
BY — DDC NR.
CONTRACT NR. AF 61(052)-24
PROJ/TASK NR. 8605

AFCRC-TN-60-402
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> THERMAL RADIATION FROM ROCKET EXHAUSTS AT EXTREME ALTITUDES SECRET JUNE 60
BY WALKER, R A — DDC NR.
HUNTER, R F — CONTRACT NR.
REU, J T — PROJ/TASK NR. 4991-5

AFCRC-TN-60-404
NEW YORK UNIVERSITY
THREE-BODY RECOMBINATION OF OXYGEN ATOMS APR 60
BY BAUER, E — DDC NR.
SALKOFF, M — CONTRACT NR. AF 19(604)-4999
PROJ/TASK NR.

AFCRC-TN-60-405
GEORGIA INSTITUTE OF TECHNOLOGY
A STUDY OF THE ALTERATION OF WATER DROPLET SUPERCOOLING BY FOREIGN VAPORS FEB 29 60
BY JULLIEN, J C — DDC NR.
HENDRIX, W P — CONTRACT NR. AF 19(604)-4970
HURD, F K — PROJ/TASK NR.
ORR, JR., C

AFCRC-TN-60-406
PENNSYLVANIA, UNIVERSITY OF
INSTRUMENTATION FOR THE DETERMINATION OF IONOSPHERIC POLARIZATION BETWEEN 100 AND 1,000 KC/S AND PRELIMINARY DATA FEB 1 60
BY CARLSON, H W — DDC NR.
CONTRACT NR. AF 19(604)-5075
PROJ/TASK NR.

AFCRC-TN-60-407
STANFORD UNIVERSITY
NIGHT-TIME EQUATORIAL PROPAGATION AT 50 MC/S, FIRST RESULTS FROM ANY IGY AMATEUR OBSERVING PROGRAM MAY 1960
BY SOUTHWORTH, G P — DDC NR.
CONTRACT NR. AF 19(604)-5239
PROJ/TASK NR. 7663

AFCRC-TN-60-408
BARD-WOOLDRIDGE
INFRARED BACKGROUND INVESTIGATION MAR 15 60
BY EISELE, R F — DDC NR.
CONTRACT NR. AF 19(604)-5479
PROJ/TASK NR.

AFCRC-TN-60-409
BARNES ENGINEERING COMPANY
<U> RADIATION MEASUREMENTS FROM MAJOR MISSILES, SCIENTIFIC REPORT - PERIOD ENDING DECEMBER 31, 1959, AUGUST 31, 1960. SECRET
BY SIMEONE, R. A. — DDC NR. 319950
BUCKLEY, R. E. — CONTRACT NR. AF 19(604)-5959
PROJ/TASK NR. 4236

AFCRC-TN-60-410
ALASKA, UNIVERSITY OF
NOTE ON HARMONIC ANALYSIS OF GEOPHYSICAL DATA WITH SPECIAL REFERENCE TO THE ANALYSIS OF GEOMAGNETIC STORMS APR 1960
BY SUGIURA, M — DDC NR.
CONTRACT NR. AF 19(604)-2163
PROJ/TASK NR. 8601

AFCRC-TN-60-411
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ADDITIONAL NOTE STRONG VERTICAL WIND PROFILES AND UPPER LEVEL MAXIMUM WIND SPEEDS OVER VANDENBERG AIR FORCE BASE MAY 60
BY SALMELA, H A — DDC NR.
SISSENWINE, N — CONTRACT NR.
PROJ/TASK NR. 8624-1

AFCRC-TN-60-412
UPPSALA, UNIVERSITY OF
DAILY VARIATION OF THE COSMIC RAY NUCLEONIC COMPONENT AT MURCHISON BAY AND UPPSALA FEB 1960
BY SANDSTROM, A E — DDC NR.
DYRING, F — CONTRACT NR. AF 61(514)-1912
PROJ/TASK NR. 8600

AFCRC-TN-60-413
HARVARD UNIVERSITY
ON THE STRUCTURE OF THE SUNSPOT ZONE MAY 1960
SMITHSONIAN CONTR TO ASTROPHYS V, 5,05
BY BELL, B — DDC NR.
CONTRACT NR. AF 19(604)-6962
PROJ/TASK NR. 7669

AFCRC-TN-60-414
CARTER OBSERVATORY <NEW ZEALAND>
OBSERVATIONS OF THE AURORA AUSTRALIS 1957 AND 1958 1960
BY MCQUISTAN, G W — DDC NR.
CONTRACT NR. AF 64(500)-6
PROJ/TASK NR. 7661

AFCRC-TN-60-417
ARCTIC INSTITUTE OF NORTH AMERICA,
OCEANOGRAPHIC OBSERVATIONS ON ICE ISLAND T-3 IN THE SUMMER OF 1959, APR 60,
BY KUSUNOKI, K. — DDC NR. 292291
CONTRACT NR. AF 19(604)-5079
PROJ/TASK NR. 7628

AFCRC-TN-60-418
ARCTIC INSTITUTE OF NORTH AMERICA
RECONNAISSANCE OF EMERGENCY WATER SUPPLIES GREENLAND, APRIL 1960.
BY DAVIS, S. N. — DDC NR.
CONTRACT NR. AF 19(604)-5079
PROJ/TASK NR. 7628

AFCRC-TN-60-419
ARCTIC INSTITUTE OF NORTH AMERICA
A PRELIMINARY INVESTIGATION OF THE METEOROLOGICAL CONDITIONS OF THE CHAMBERLIN GLACIER, 1958, MAY 1960.
BY LARSSON, P. — DDC NR.
CONTRACT NR. AF 19(604)-5079
PROJ/TASK NR. 7628

AFCRC-TN-60-[illegible]29
BARD-WOOLDRIDGE
INFRARED BACKGROUND INVESTIGATION MAR 20 60
BY EISELE, R F — DDC NR.
CONTRACT NR. AF 19(604)-5479
PROJ/TASK NR.

AFCRC-TN-60-424
IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY
ROLE OF RADAR IN RAINSTORM FORECASTING APR 1960
BY LUDLAM, F H — DDC NR.
CONTRACT NR. AF 61(052)-294
PROJ/TASK NR. 8620

AFCRC-TN-60-425
IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY
MULTI-WAVELENGTH RADAR REFLECTIVITY OF HAILSTORMS MAY 1960
BY ATLAS, D — DDC NR.
LUDLAM, F — CONTRACT NR. AF 61(052)-294
PROJ/TASK NR. 8620

AFCRC-TN-60-427
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
CONTRIBUTIONS TO SATELLITE METEOROLOGY JUNE 1960
BY WIDGER JR, W K — DDC NR. 241899
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-60-429
HARVARD UNIVERSITY
SOLAR RADIO ASTRONOMY AT FORT DAVIS, TEXAS JUNE 1960
BY THOMPSON, A R — DDC NR.
CONTRACT NR. AF 19(604)-1904
PROJ/TASK NR. 7649

AFCRC-TN-60-431
ALASKA, UNIVERSITY OF
THE EFFECT OF TOPOGRAPHY AND GEOLOGY ON TELLURIC CURRENTS APR 60
BY WESCOTT, E M — DDC NR.
HESSLER, V P — CONTRACT NR. AF 19(604)-5079
PROJ/TASK NR.

AFCRC-TN-60-432
DURHAM, UNIVERSITY OF
CHARACTERISTICS OF A SOLID IRON MAGNET FOR USE IN A COSMIC RAY SPECTROGRAPH 1960
NUOVO CIM V. 19, SERR 202-210 1960
BY O-CONNOR, P V — DOC NR.
WOLFENDALE, A W — CONTRACT NR. AF 61(052)-27
PROJ/TASK NR. 8600

AFCRC-TN-60-433
UPPSALA, UNIVERSITY OF
STANDARD ERRORS AT HARMONIC ANALYSIS MAR 1960
BY DYRING, E — DOC NR.
ROSEN, B — CONTRACT NR. AF 61(514)-1912
PROJ/TASK NR. 8600

AFCRC-TN-60-434
OSLO UNIVERSITY OF
ON THE CORRELATION BETWEEN OBSERVATIONS OF MAGNETIC FIELDS OF SUNSPOTS AT MT WILSON, POTSDAM AND THE CRIMEA 1959
BY STEEN, O — DOC NR.
MALTBY, P — CONTRACT NR. AF 61(052)-186
PROJ/TASK NR. 7649

AFCRC-TN-60-436
BRITISH COLUMBIA, UNIVERSITY OF
WORLD WIDE CHARACTERISTICS OF GEOMAGNETIC HICROPULSATIONS APR 1960
BY JACOBS, J A — DOC NR.
SIRRO, E — CONTRACT NR. AF 19(604)-6068
PROJ/TASK NR. 8601

AFCRC-TN-60-437
DARTMOUTH COLLEGE
DEVELOPMENT OF SURFACE MORPHOLOGY ON FLETCHERS ICE ISLAND, T-3, FEBRUARY 15, 1960.
BY SMITH, D D. — DOC NR. 247650
CONTRACT NR. AF 19(604)-2159
PROJ/TASK NR. 7620

AFCRC-TN-60-438
ISRAEL INSTITUTE OF TECHNOLOGY
PULSE HEIGHT INDICATOR FEB 1960
BY GALIL, U — DOC NR.
OPHIR, D — CONTRACT NR. AF 61(052)-196
PROJ/TASK NR. 8600

AFCRC-TN-60-439
LIEGE, UNIVERSITY OF
EXCITATION AND ABUNDANCES IN COMETS APR 1960
BY SWINGS, P — DOC NR.
CONTRACT NR. AF 61(052)-26
PROJ/TASK NR. 8605

AFCRC-TN-60-441
NEW YORK UNIVERSITY
A HARTREE SELF CONSISTENT METHOD FOR THE SCATTERING OF POSITRONS BY HYDROGEN ATOMS, APRIL 1960.
BY RUFFINI, R. S. — DOC NR.
CONTRACT NR. AF 19(604)-6555
PROJ/TASK NR. 7635

AFCRC-TN-60-442
AIR FORCE CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EXTREME-VALUE STATISTICS IN METEOROLOGY- A METHOD OF APPLICATION, JUNE 1960.
BY GRINGORTEN, I I — DOC NR. 249023
CONTRACT NR.
PROJ/TASK NR. 8624-86242

AFCRC-TN-60-443
BROWN UNIVERSITY
INVISCID MODES IN INSTABILITY OF FLOW OVER A CONCAVE WALL MAY 1960
BY REID, W H — DOC NR.
CONTRACT NR. AF 19(604)-7236
PROJ/TASK NR. 8600

AFCRC-TN-60-444
PENNSYLVANIA, UNIVERSITY OF
IONOSPHERIC ELECTRON DENSITIES FOR WASHINGTON, D.C., PANAMA TALARA, AND HUANCAYO FOR JULY-AUGUST-SEPTEMBER 1958 MAR 1 60
BY SCHMERLING, E R — DOC NR.
CONTRACT NR. AF 19(604)-5879
PROJ/TASK NR.

AFCRC-TN-60-445
COLORADO, UNIVERSITY OF
INNER SOLAR CORONA DURING JUNE 1959
BY NEWKIRK, G A — DOC NR.
CURTIS, O W — CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7649

AFCRC-TN-60-446
COLORADO, UNIVERSITY OF
MODEL OF THE CHROMOSPHERE FROM RADIO AND OPTICAL DATA JUNE 1960
PARIS SYMP ON RADIO TAU SYMP 89
BY ATHAY, R G — DOC NR.
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7649

AFCRC-TN-60-447
COLORADO UNIVERSITY OF
EXCITATION OF MF 1 IN THE SOLAR SPECTRUM JUNE 1960
ASTROPHYS J 131 MAR 1960
BY ATHAY, R G — DOC NR.
JOHNSON, H R — CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7649

AFCRC-TN-60-448
COLORADO, UNIVERSITY OF
INTERPLANETARY SPACE AND THE EARTH-S OUTERMOST ATOMOSPHERE JUNE 1960
PROC ROYAL SOC A, V. 253 462-481 1959
BY CHAPMAN, S — DOC NR.
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7649

AFCRC-TN-60-449
COLORADO UNIVERSITY OF
EXCITATION MECHANISMS OF THE OXYGEN 5577 EMISSION IN THE UPPER ATMOSPHERE JUNE 1960
J RES 65D #3 NOV-DEC 59
BY TANDBERG-HANSSEN E — DOC NR.
ROACH, F E — CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7649

AFCRC-TN-60-450
COLORADO, UNIVERSITY OF
COSMIC EXAMPLES OF HEAT CONDUCTION IN VERY RARE ROTATING OR EXPANDING GASES JUNE 1960
BY CHAPMAN, S — DOC NR.
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7649

AFCRC-TN-60-451
ALLIED RESEARCH ASSOCIATES INC
INTERPRETIVE CODE FOR THE WEATHER RADAR FEB 1960
BY BOUCHER, R J — DOC NR.
CONTRACT NR. AF 19(604)-5206
PROJ/TASK NR. 8620

AFCRC-TN-60-452
DENVER UNIVERSITY OF
WATER VAPOR DISTRIBUTION ABOVE 90, 000 FEET MAY 1960
BY MURCRAY, D G — DOC NR.
MURCRAY, F W — CONTRACT NR. AF 19(604)-2069
PROJ/TASK NR. 7674

AFCRC-TN-60-453
PERKIN-ELMER CORP
(U) I. R. SPECTROMETRIC MEASUREMENTS OF MISSILE PLUMES APR 1960 SECRET
BY MILLER, T W — DOC NR.
STERNBACH, R S — CONTRACT NR. AF 19(604)-5057
PROJ/TASK NR. 4904

AFCRC-TN-60-455
HAWAII, UNIVERSITY OF
NOTES ON THE METEOROLOGY OF THE TROPICAL PACIFIC AND SOUTHEAST ASIA, JUNE 1960.
BY RAMAGE, C. S. — DOC NR.
CONTRACT NR. AF 19(604)-1962
PROJ/TASK NR. 7616

AFCRC-TN-60-456
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
INTRODUCTION TO THE MOON JULY 1960
BY SALISBURY, J W — DOC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TN-60-460
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ENERGY TRANSFORMATION AND VERTICAL FLUX PROCESSES OVER THE NORTHERN HEMISPHERE AUG 1960
BY JANSEN, C H — DOC NR.
CONTRACT NR. AF 19(604)-6108
PROJ/TASK NR. 8628

AFCRC-TN-60-461
ROYAL INSTITUTE OF TECHNOLOGY
NOTES ON THE PREPARATION AND ANALYSIS OF RUTHENIUM (III) AND RUTENIUM (IV) IN SULFATE MEDIUM FEB 1960
BY BRITO, F — DOC NR.
CONTRACT NR. AF 61(052)-181
PROJ/TASK NR. 6694

AFCRC-TN-60-464
NEW YORK UNIVERSITY
GREEN-S FUNCTION METHOD FOR QUANTUM CORRECTIONS TO THE THOMAS-FERMI MODEL OF THE ATOM AUG 1960
BY BARAFF, G A — DOC NR.
BOROWITZ, S — CONTRACT NR. AF 19(604)-6555
PROJ/TASK NR. 7635

AFCRC-TN-60-466
MCGILL UNIVERSITY
QUANTITATIVE DISPLAY OF RADAR WEATHER PATTERNS ON A SCALE OF GREY JUNE 1960
BY LEGG, T H — DOC NR.
CONTRACT NR. AF 19(604)-6617
PROJ/TASK NR. 8672

AFCRC-TN-60-467
WISCONSIN UNIVERSITY OF
LINEAR PREDICTION OF UPPER WINDS AFTER STRATIFICATION MAY 1960.
BY JOHNSON, D. R. — DOC NR. 248285
BRYSON, R. A. — CONTRACT NR. AF 19(604)-5191
PROJ/TASK NR. 8626-86280

AFCRC-TN-60-468
ILLINOIS, UNIVERSITY OF
USE OF THE SMITH CHART AND OTHER GRAPHICAL CONSTRUCTIONS IN THE MAGNETO-IONIC THEORY APR 1960
BY DESCHAMPS, G A — DOC NR.
WEEKS, W L — CONTRACT NR. AF 19(604)-5565
PROJ/TASK NR. 8693

AFCRC-TN-60-469
HARVARD UNIVERSITY
EVAPOROGRAPHY WITH SPECIAL APPLICATOR TO THE MOON JUNE 1960
BY INGRAO, H C — DOC NR.
MERZEL, D H — CONTRACT NR. AF 19(604)-3076
PROJ/TASK NR. 8602

AFCRC-TN-60-471
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LINEAR PREDICTABILITY OF WEATHER RADAR SIGNALS JUNE 1960
BY ADEL, T H — DOC NR.
FLEISHER, A — CONTRACT NR. AF 19(604)-5220
PROJ/TASK NR. 6661

AFCRC-TR-60-478
GEOPHYSICS CORPORATION OF AMERICA
RESEARCH DIRECTED TOWARD A THEORETICAL STUDY OF PHYSICAL PROCESSES ASSOCIATED WITH CHEMICAL RELEASES JUNE 1960
BY HARRO, F F — DDC NR.
PRESSMAN, J — CONTRACT NR. AF 19(604)-7269
PROJ/TASK NR. 7673

AFCRC-TR-60-479
WEIZMANN INSTITUTE OF SCIENCE
PRESSURE-INDUCED SHIFTS OF HCl LINES DUE TO FOREIGN GASES MAY 1960
J CHEM PHYS 32 297-298 JAN 1960
BY HIRSHFELD, M A — DDC NR.
JAFFE, J H — CONTRACT NR. AF 61(052)-57
PROJ/TASK NR. 8603

AFCRC-TR-60-478
STANFORD RESEARCH INSTITUTE
CLOUD SHIELD AND RADAR PRECIPITATION ECHO RELATIONSHIPS WITH SATELLITE APPLICATIONS APR 1960
BY LUDWIG, F L — DDC NR.
NAGLE, R E — CONTRACT NR. AF 19(604)-5987
PROJ/TASK NR. 6698

AFCRC-TR-60-481
ALASKA, UNIVERSITY OF
EARTH CURRENT ACTIVITY AT COLLEGE, ALASKA, JULY 1959 JUNE 1960
BY HESSLER, V P — DDC NR.
CONTRACT NR. AF 19(604)-3079
PROJ/TASK NR. 8601

AFCRC-TR-60-483
PENNSYLVANIA STATE UNIVERSITY
LOW FREQUENCY RADIO STUDIES OF APPARENT IONOSPHERIC HOT SPOTS, APRIL 1, 1960.
BY SALES, G. S. — DDC NR. 249061
CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8605

AFCRC-TR-60-484
PENNSYLVANIA STATE UNIVERSITY
CORRELATION STUDIES OF THE ES REGION, MAY 1, 1960.
BY GRIFFIN, J. O. — DDC NR.
DOWNILL, S. A. — CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8604

AFCRC-TR-60-486
CALIFORNIA UNIVERSITY OF
APPROXIMATION OF LIGHT SCATTERING BY LARGE DIELECTRIC SPHERES, JUNE 1960.
BY SARON, D. S. — DDC NR. 246958
SEKERA, Z. — CONTRACT NR. AF 19(604)-2629
PROJ/TASK NR. 7671

AFCRC-TR-60-490
SPERRY GYROSCOPE CO
<U> APPLICATION OF LORAN-C TO INTERCONTINENTAL SURVEYING (U) CONFIDENTIAL
DEAN, W R — DDC NR.
WATTS, P C — CONTRACT NR. AF 19(604)-5891
PROJ/TASK NR. 4609

AFCRC-TR-60-491
NATIONAL BUREAU OF STANDARDS
ELECTROMAGNETIC FIELDS OF A DIPOLE IN THE PRESENCE OF A THIN PLASMA SHEET APR 1960
BY WAIT, J R — DDC NR.
CONTRACT NR. CSOSA 58-60
PROJ/TASK NR.

AFCRC-TR-60-492
WFLARS
RESEARCH AND DEVELOPMENT OF A SOLID STATE PARAMAGNETIC MASER APR 1960
BY ROBERTS, R W — DDC NR.
CONTRACT NR. AF 19(604)-6071
PROJ/TASK NR. 6146

AFCRC-TR-60-493
CASE INSTITUTE OF TECHNOLOGY
SHUNT SUSCEPTANCE OF PLANAR ARRAYS OF CONDUCTING DISCS APR 1960
BY GARDNER, R A — DDC NR.
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5635

AFCRC-TR-60-494
NEW YORK UNIVERSITY
SURFACE WAVES ON A REACTIVE HALF PLANE MAY 1960
BY KARP, J — DDC NR.
CONTRACT NR. AF 19(604)-5258
PROJ/TASK NR. 5635

AFCRC-TR-60-499
RAYTHEON CO
BETA SILICON CARBIDE APR 1960
BY MARSCHAUER, D M — DDC NR.
CONTRACT NR. AF 19(604)-6131
PROJ/TASK NR. 6608

AFCRC-TR-60-496
TEXAS, UNIVERSITY OF
WAVE PROPAGATION THROUGH A TURBULENT TROPOSPHERIC LAYER MAY 30 1960
BY WADE, H D — DDC NR.
CONTRACT NR. AF 19(604)-5506
PROJ/TASK NR. 5601-5

AFCRC-TR-60-497
TEXAS, UNIVERSITY OF
A CRITICAL ANALYSIS OF FIELD STRENGTH MEASUREMENTS AT FREQUENCIES ABOVE 30 MCPS JUNE 3 60
BY LAGROME, A H — DDC NR.
IBAMI, T — CONTRACT NR. AF 19(604)-5506
PROJ/TASK NR. 5601-5

AFCRC-TR-60-498
LOCKHEED AIRCRAFT CORPORATION
<U> SIMULATION OF DYNAMIC RADAR CROSS SECTIONS OF BALLISTIC TARGETS FEB 1960 SECRET
BY RIEDEL, A F — DDC NR.
SCALA, S — CONTRACT NR. AF 19(604)-5550
PROJ/TASK NR. 6769

AFCRC-TR-60-499
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF RARE-EARTH OXIDE CATHODES MAR 1960
BY GAINES, G B — DDC NR.
CONTRACT NR. AF 19(604)-5691
PROJ/TASK NR. 4619

AFCRC-TR-60-500
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS APR 1960
BY ROBINSON, L A — DDC NR.
JONES, E M T — CONTRACT NR. AF 19(604)-2260
PROJ/TASK NR. 4560

AFCRC-TR-60-501
NEW YORK UNIVERSITY
STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS FEB 1960
BY ROMANIUM, J M — DDC NR.
CONTRACT NR. AF 19(604)-2679
PROJ/TASK NR. 5621

AFCRC-TR-60-502
FRIEDMAN INC
USE OF A FLARE SPACE IN GRAVITATIONAL FIELD THEORY JUNE 1960
BY PUSACHEV, L I — DDC NR.
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600

AFCRC-TR-60-503
STANFORD RESEARCH INSTITUTE
<U> RADAR OBSERVATIONS OF MISSILE LAUNCHINGS APR 1960 SECRET
BY DOLPHIN, MR., L T — DDC NR.
LORG, R A — CONTRACT NR. AF 19(604)-5209
PROJ/TASK NR. 6005

AFCRC-TR-60-504
CHALMERS UNIVERSITY OF TECHNOLOGY
ELECTROMAGNETIC AND SPACE CHARGE WAVES IN A SHEATH HELIX (TRANS) 1960
ADV ELECTROTECHNIK 67 #224 1960
BY OLVING, S — DDC NR.
CONTRACT NR. AF 61(052)-149
PROJ/TASK NR. 6518

AFCRC-TR-60-505
CENTRO DI STUDIO PER LA FISICA D-MICROONDE, ITALY
STEPPED CYLINDRICAL MIRRORS CORRECTED FOR APERTURE AND FIELD ABERRATIONS FEB 1960
BY ABBOZZO, L R — DDC NR.
RUSSO, V — CONTRACT NR. AF 61(052)-276
PROJ/TASK NR. 5631

AFCRC-TR-60-506
CENTRO DI STUDIO PER LA FISICA D-MICROONDE, ITALY
ON THE THEORY OF SOME CEREMOVIAN EFFECTS FEB 1960
BY DIFRANCIA, T — DDC NR.
CONTRACT NR. AF 61(052)-67
PROJ/TASK NR. 4600

AFCRC-TR-60-507
NATIONAL BUREAU OF STANDARDS
NOTES ON METEOR-BURST PROPAGATION AND COMMUNICATION, I. ELEMENTARY CONSIDERATIONS OF MULTIPATH PROPAGATION FEB 1960
BY SUGAR, G R — DDC NR.
CARPENTER, R J — CONTRACT NR. CSOSA 60-561
PROJ/TASK NR. 5A21

AFCRC-TR-60-508
NATIONAL BUREAU OF STANDARDS
NOTES ON METEOR-BURST PROPAGATION AND COMMUNICATION, II. LOSS IN CHANNEL CAPACITY RESULTING FROM STARTING DELAY FEB 1960
BY SUGAR, G R — DDC NR.
CONTRACT NR. CSO 60-561
PROJ/TASK NR. 5A21

AFCRC-TR-60-509
COMPAGNIE GENERALE DE TSF
PREPARATION AND STUDY OF COMPOUNDS OF THE II-IV TYPE AND MIXTURES THEREOF TO DETERMINE USEFUL SEMICONDUCTING PROPERTIES I JAN-30 MAR 1960 MAR 1960
BY — DDC NR.
CONTRACT NR. AF 61(052)-269
PROJ/TASK NR. 4608

AFCRC-TR-60-470
ILLINOIS INSTITUTE OF TECHNOLOGY
ANALYSIS OF DIVALENT NICKEL IN SAPPHIRE SINGLE CRYSTALS 1960
BY KIKUCHI, T T — DDC NR.
MARSHALL, S A — CONTRACT NR. AF 19(604)-5868
PROJ/TASK NR. 5566

AFCRC-TR-60-471
CORNELL UNIVERSITY
DESIGN STUDIES FOR THE ARECIBO RADIO OBSERVATORY JUNE 1960
BY — DDC NR.
CONTRACT NR. AF 19 (604)-6158
PROJ/TASK NR. 6781

AFCRC-TR-60-472
REMINGTON RAND UNIVAC
PREPARATION AND CHARACTERISTIC OF THIN FERROMAGNETIC FILMS MAY 1960
BY KREISSMAN, C J — DDC NR.
CONTRACT NR. AF 19(604)-6278
PROJ/TASK NR. 5631

AFCRC-TN-60-573
MARYLAND UNIVERSITY OF
SOME CONSIDERATIONS OF EXPECTED RADIATION BELTS OF PLANETS MARS AND VENUS JAN 1960
BY SINGER, S F — DDC NR. 240811; CONTRACT NR. AF 19(604)-5575; PROJ/TASK NR.

AFCRC-TN-60-574 I
NORTHEASTERN UNIVERSITY
(U) AUTHENTICATION MAY 1960 SECRET
BY KLEIN, R D; LOB, M H — DDC NR.; CONTRACT NR. AF 19(604)-3053

AFCRC-TN-60-574 II
NORTHEASTERN UNIVERSITY
STUDIES OF COMMUNICATIONS CHANNEL MAY 1960
BY CHANG, S H; KLEIN, R D — DDC NR.; CONTRACT NR. AF 19(604)-3053; PROJ/TASK NR. 4609

AFCRC-TN-60-575
TECHNICAL RESEARCH GROUP, INC.
ON THE GREENS FUNCTION FOR A CIRCULAR CYLINDER, JANUARY 13, 1960.
BY BARONE, S — DDC NR. 245623; CONTRACT NR. AF 19(604)-3476; PROJ/TASK NR. 4600-46009

AFCRC-TN-60-576
GENERAL ELECTRIC
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS JUNE 1960
BY AFFLECK, J H — DDC NR.; CONTRACT NR. AF 19(604)-4093; PROJ/TASK NR. 4156

AFCRC-TN-60-577
MELLON INSTITUTE
HIGH TEMPERATURE PRINTED CIRCUITRY, COMPUTER COMPONENTS
FELLOWSHIP NO. 347, 1 JULY-30 SEP 1959 SEP 1959
BY YOUNG, G H; OWEN, C J — DDC NR.; CONTRACT NR. AF 19(604)-1959; PROJ/TASK NR. 4155

AFCRC-TN-60-578
MELLON INSTITUTE
HIGH TEMPERATURE PRINTED CIRCUITY, COMPUTER COMPONENTS
FELLOWSHIP NO 347 1 OCT-31 DEC 1959 DEC 1959
BY YOUNG, G H; OWEN, C J — DDC NR.; CONTRACT NR. AF 19(604)-1959; PROJ/TASK NR. 4155

AFCRC-TN-60-579
MELLON INSTITUTE
HIGH TEMPERATURE PRINTED CIRCUITY, COMPUTER COMPONENTS
FELLOWSHIP NO 347 1 JAN-MAR 31 1960 DEC 1959
BY YOUNG, G H; OWENS, C J — DDC NR.; CONTRACT NR. AF 19(604)-1959; PROJ/TASK NR. 4155

AFCRC-TN-60-580
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THEORETICAL AND EXPERIMENTAL RESEARCH IN THERMOELECTRICITY JUNE 1960
BY GRAY, P E — DDC NR.; CONTRACT NR. AF 19(604)-4153; PROJ/TASK NR. 5621

AFCRC-TN-60-581
WASHINGTON, UNIVERSITY OF
TRAVELING WAVE ANTENNA WITH BROAD BANDWIDTH JUNE 1960
BY SIGELMANN, R A; REYNOLDS, D K — DDC NR.; CONTRACT NR. AF 19(604)-4098; PROJ/TASK NR. 5630

AFCRC-TN-60-582
HARVARD UNIVERSITY
FIELD DISPLACEMENT EFFECTS IN DIELECTRIC AND FERRITE LOADED WAVEGUIDES SEP 1959
BY STRAUS, T M — DDC NR.; CONTRACT NR. AF 19(604)-5487; PROJ/TASK NR. 5633

AFCRC-TN-60-583
RADIO CORPORATION OF AMERICA
INTEGRATED SEMICONDUCTOR SHIFT REGISTER MAY 1960
BY WALLMARK, J T; MARCUS, S M — DDC NR.; CONTRACT NR. AF 19(604)-5561; PROJ/TASK NR. 4612

AFCRC-TN-60-584
COLUMBIA UNIVERSITY
SURFACE WAVES ON RADIALLY INHOMOGENEOUS DIELECTRIC CYLINDER FORMULATION OF PROBLEM JUNE 1960
BY VIGANTS, A — DDC NR.; CONTRACT NR. AF 19(604)-3879; PROJ/TASK NR. 4600

AFCRC-TN-60-585
HUGHES AIRCRAFT COMPANY
FUNDAMENTAL LIMITATION IN THE POINTING ACCURACY OF A RADIO TELESCOPE APR 1960
BY GEORGE, N — DDC NR.; CONTRACT NR. AF 19(604)-5725; PROJ/TASK NR. 4506

AFCRC-TN-60-586
NEW YORK UNIVERSITY
OPTIMUM SELF-SYNCHRONIZED SYSTEM JUNE 1960
BY CHANG, S S L; HARRIS, B — DDC NR.; CONTRACT NR. AF 19(604)-6168; PROJ/TASK NR. 4610

AFCRC-TN-60-587
STANFORD UNIVERSITY
BASIC MICROWAVE RESEARCH MAY 1960
BY SHAW, S J — DDC NR.; CONTRACT NR.; PROJ/TASK NR.

AFCRC-TN-60-588
LOCKHEED AIRCRAFT CORPORATION
(U) RADAR TARGET SORTING BASED UPON POLARIZATION SIGNATURE ANALYSIS MAY 1960 SECRET
BY HUYNEN, J R — DDC NR.; CONTRACT NR. AF 19(604)-5550; PROJ/TASK NR. 4741

AFCRC-TN-60-589
HARVARD UNIVERSITY
SPIN WAVE ANALYSIS OF FERROMAGNETIC RESONANCE RELAXATION FFB 1960
BY BUFFLER, C R — DDC NR.; CONTRACT NR. AF 19(604)-5487; PROJ/TASK NR. 5633

AFCRC-TN-60-590
STANFORD UNIVERSITY
INVESTIGATION OF MICROWAVE PROPERTIES OF PLASMAS MAY 1960
BY — DDC NR.; CONTRACT NR. AF 19 (604)-5226; PROJ/TASK NR. 5561

AFCRC-TN-60-591
NATIONAL BUREAU OF STANDARDS
RESONANCE CHARACTERISTICS OF A CORRUGATED CYLINDER EXCITED BY A MAGNETIC DIPOLE JUNE 1960
BY WAIT, J R; CONDA, A M — DDC NR.; CONTRACT NR. CSO6A 58-40; PROJ/TASK NR.

AFCRC-TN-60-592
MELPAR INC
GENERATION OF MULTIPOLARIZED ELECTROMAGNETIC WAVES FOR ECM APPLICATIONS APR 1960
BY HENRY, E F — DDC NR.; CONTRACT NR. AF 19(604)-4988; PROJ/TASK NR. 4615

AFCRC-TN-60-593
FRIEDMAN INC
ON A MEASURE OF THE ORDERLINESS OF A BOOLEAN FUNCTION <TRANS> JUNE 1960
IZVESTIIA AN USSR ENERG I AVTOM #1 70-75 1960
BY SAGALOVICH, I L — DDC NR.; CONTRACT NR. AF 19(604)-5970; PROJ/TASK NR. 5632

AFCRC-TN-60-594
FRIEDMAN INC
ON GROUP INVARIANCE OF BOOLEAN FUNCTIONS <TRANS> JUNE 1960
ANAL STIINT UNIV AL. I. CUZA DIN IASI, NS, SECL. MATH, PHYS CHEM 4 39-44 1958
BY POVAROV, G N — DDC NR.; CONTRACT NR. AF 19(604)-5970; PROJ/TASK NR. 5632

AFCRC-TN-60-595
RAYTHEON CO
INVESTIGATION OF THE MICROWAVE PROPERTIES OF FERROELECTRICS JUNE 1960
BY RUPPRECHT, G — DDC NR.; CONTRACT NR. AF 19(604)-4085; PROJ/TASK NR. 4506

AFCRC-TN-60-596
SPERRY GYROSCOPE CO
ELECTROMAGNETIC WAVE PROPAGATION IN GYROELECTRIC PLASMAS MAY 1960
BY WANG, C C; HOPSON, J F — DDC NR.; CONTRACT NR. AF 19(604)-5555; PROJ/TASK NR. 4741

AFCRC-TN-60-597
BROWN UNIVERSITY
PULSE DIFFRACTION BY AN IMPERFECTLY REFLECTING WEDGE JUNE 1960
BY PAPADOPOULOS, V M — DDC NR.; CONTRACT NR. AF 19(604)-4561; PROJ/TASK NR. 5635

AFCRC-TN-60-598
AVCO CORPORATION
IONOSPHERIC DISTURBANCES FOLLOWING A SOLAR FLARE AUG 1960
BY HILL, G E — DDC NR.; CONTRACT NR. AF 19(604)-4092; PROJ/TASK NR. 4603

AFCRC-TN-60-599
SYLVANIA ELECTRIC PRODUCTS INC
MULTIWAVE TRANSMISSION LINE APR 1960
BY KELLETT, J D — DDC NR. 240676; CONTRACT NR. AF 19(604)-5474; PROJ/TASK NR. 4616

AFCRC-TN-60-621
CHICAGO, UNIVERSITY OF
SOME CONSEQUENCES OF LOCAL ACCELERATION OF AURORAL PRIMARIES, REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 65, NO. 8, AUGUST 1960
BY CHAMBERLAIN, J. W.; KERN J.; VESTINE, E. H. — DDC NR. 245965; CONTRACT NR. AF 19(604)-3044; PROJ/TASK NR. 7661

AFCRC-TN-60-683
PENNSLYVANIA STATE UNIVERSITY
EXPERIMENTAL AND THEORETICAL STUDIES OF IONOSPHERE ECHO POLARIZATION OVER THE SWEPT FREQUENCY RANGE 50-1000 KC/S. OCTOBER 1, 1960.
BY CARLSON, H. N. — DDC NR. 245388 — CONTRACT NR. AF 19(604)-3875 — PROJ/TASK NR. 7663

AFCRC-TN-60-684
PENNSLYVANIA STATE UNIVERSITY
RAY THEORY ANALYSIS OF LOW FREQUENCY IONOGRAMS, NOVEMBER 1, 1960.
BY BRUNNSCHWEILER, A. — DDC NR. 245389 — CONTRACT NR. AF 19(604)-3875 — PROJ/TASK NR. 7663

AFCRC-TN-60-750
STANFORD RESEARCH INSTITUTE
VOLTAGE BREAKDOWN OF ANTENNAS AT HIGH ALTITUDES APR 1960
BY SCHARFMAN, W E; MORITA, T — DDC NR. — CONTRACT NR. AF 19(604)-3458 — PROJ/TASK NR. 4600

AFCRC-TN-60-751
POLYTECHNIC INSTITUTE OF BROOKLYN
A PROPOSED DIAGNOSTIC METHOD FOR CYLINDRICAL PLASMAS MAY 16, 1960.
BY SHMOYS, J. — DDC NR. 244223 — CONTRACT NR. AF 19(604)-4143 — PROJ/TASK NR. 5630-56300

AFCRC-TN-60-753
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
INVESTIGATION INTO THE THERMAL AND ELECTRICAL PROPERTIES OF THE MERCURY-TELLURIDE CADMIUM-TELLURIDE SEMI-CONDUCTOR SOLID SOLUTION SYSTEM JUNE 1960
BY BLAIR, J — DDC NR. — CONTRACT NR. AF 19(604)-4153 — PROJ/TASK NR. 5621

AFCRC-TN-60-754
FRIEDMAN INC
COHERENT SCATTERING IN A PLASMA JULY 1960
BY KESSENIKH, V N — DDC NR. — CONTRACT NR. AF 19(604)-5969 — PROJ/TASK NR. 4600

AFCRC-TN-60-755
WESTINGHOUSE RESEARCH LABORATORIES
I. INVERSION BY FAST PASSAGE IN A MULTILEVEL SYSTEM II. ELECTRON PARAMAGNETIC RESONANCE IN SEMICONDUCTING RUTILE APR 1960
BY WAGNER, P E; CASTLE, J G — DDC NR. 240846 — CONTRACT NR. AF 19(604)-5589 — PROJ/TASK NR. 5621

AFCRC-TN-60-759
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH JUNE 1960
BY BLANC, J; BUBE, R — DDC NR. — CONTRACT NR. AF 19(604)-6152 — PROJ/TASK NR. 4608

AFCRC-TN-60-764
HARVARD UNIVERSITY
RADIATION PATTERNS OF ANTENNA ARRAYS CONSISTING OF DIPOLES COUPLED TO A TWO-WIRE LINE MAY 1960
BY CHEN, K M — DDC NR. — CONTRACT NR. AF 19(604)-4118 — PROJ/TASK NR. 5635

AFCRC-TN-60-765
PURDUE UNIVERSITY
SCATTERING OF A PLANE ELECTROMAGNETIC WAVE BY A FINITE CONE AUG 1960
BY ROGERS, C C; SCHULTZ, F V — DDC NR. — CONTRACT NR. AF 19(604)-4051 — PROJ/TASK NR. 5635

AFCRC-TN-60-766
TEXAS, UNIVERSITY OF
SOME EFFECTS OF TREES ON LOW ANGLE RADIO PROPAGATION AT A WAVELENGTH OF 10.4 CM JULY 1960
BY LAGRONE, A H; CHAPMAN, C W — DDC NR. 240879 — CONTRACT NR. AF 19(604)-5504 — PROJ/TASK NR. 5561

AFCRC-TN-60-767
CASE INSTITUTE OF TECHNOLOGY
HIGHER ORDER EVALUATION OF THE DIFFRACTION OF A PLANE WAVE BY A SMALL CIRCULAR DISK JULY 1960
BY EGGIMANN, W H — DDC NR. — CONTRACT NR. AF 19(604)-3887 — PROJ/TASK NR. 5635

AFCRC-TN-60-768
LITTLE INC, ARTHUR D
SURVEY OF THE LITERATURE ON THE USE OF ORGANOMETALLIC COMPOUNDS IN THE PREPARATION OF ULTRA-PURE METALS JULY 1960
BY GRAHAM, W A G — DDC NR. — CONTRACT NR. AF 19(604)-4975 — PROJ/TASK NR. 5620

AFCRC-TN-60-770
FRIEDMAN INC
ON THE TRANSFORMATION OF SPACE-TIME COORDINATES FROM STATIONARY TO MOVING SYSTEMS JULY 1960
BY FRANK, P; ROTHE, H — DDC NR. 241696 — CONTRACT NR. AF 19(604)-5969 — PROJ/TASK NR. 4600

AFCRC-TN-60-771
FRIEDMAN INC
ON A CRITERION OF THE APPLICABILITY OF THE MAGNETO-HYDRODYNAMIC EQUATIONS TO A PLASMA 1960
BY BRAGINSKII, S I — DDC NR. 241738 — CONTRACT NR. AF 19(604)-5969 — PROJ/TASK NR. 4600

AFCRC-TN-60-772
FRIEDMAN INC
ON THE SCATTERING OF HYDROMAGNETIC WAVES BY TURBULENT FLUCTUATIONS JULY 1960
BY SITENKO, A G; KIROCHKIN, I A — DDC NR. 241739 — CONTRACT NR. AF 19(604)-5969 — PROJ/TASK NR. 4600

AFCRC-TN-60-773
PARIS, UNIVERSITY OF
DOPPLER MEASUREMENTS ON ARTIFICIAL SATELLITES 1 APR 1959 31 MAR 1960 MAR 1960
BY VASSY, E J — DDC NR. — CONTRACT NR. AF 61(052)-155 — PROJ/TASK NR. 1770

AFCRC-TN-60-774
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF RARE-EARTH OXIDE CATHODES MAY 1960
BY BAKER, J B; GAINES, G B — DDC NR. 241693 — CONTRACT NR. AF 19(604)-5691 — PROJ/TASK NR. 4619

AFCRC-TN-60-775
BROWN UNIVERSITY
INVESTIGATIONS OF RARE-EARTH OXIDE CATHODES MAY 1960 SEMICONDUCTORS PHASE I JULY 1960 PHASE II
BY FARNSWORTH, H E; HANEMAN, D; DILLON JR, J A; OMAN, R M — DDC NR. 241560 — CONTRACT NR. AF 19(604)-5986 — PROJ/TASK NR. 5620

AFCRC-TN-60-777
CASE INSTITUTE OF TECHNOLOGY
STUDY OF CONTROL APERTURE FIELDS 1960
BY — DDC NR. — CONTRACT NR. AF 19(604)-3887 — PROJ/TASK NR. 5635

AFCRC-TN-60-783
TEXAS, UNIVERSITY OF
ANALOG CORRELATION COMPUTER AUG 1960
BY MCCULLOUGH, C F — DDC NR. — CONTRACT NR. AF 19(604)-2249 — PROJ/TASK NR. 4603

AFCRC-TN-60-785
SOUTHERN CALIFORNIA, UNIVERSITY OF
RADIATION FROM A GAP-EXCITED CYLINDER SURROUNDED BY A UNIFORM PLASMA SHEATH JUNE 1960
BY KUEHL, H H — DDC NR. — CONTRACT NR. AF 19(604)-5722 — PROJ/TASK NR. 3601

AFCRC-TN-60-786
FRIEDMAN INC
ON THE REACTION OF RADIATION IN A MAGNETO-ACTIVE PLASMA 1960
IZVESTIIA VUZ, RADIOFIZIKA, 3, 192-198, 1960
BY EIDMAN, B I — DDC NR. — CONTRACT NR. AF 19(604)-7387 — PROJ/TASK NR. 4603

AFCRC-TN-60-787
FRIEDMAN INC
ON THE INFLUENCE OF THE REFLECTION REGION ON RADIOWAVE SCATTERING IN THE IONOSPHERE 1960
IZVESTIYA VUZ, RADIOFIZIKA, 3 208-215, 1960
BY DENISOV, N G — DDC NR. — CONTRACT NR. AF 19(604)-7687 — PROJ/TASK NR.

AFCRC-TN-60-788
HUGHES AIRCRAFT COMPANY
<U> IMPROVEMENT IN RADAR RESOLUTION OF TARGETS ON BALLISTIC TRAJECTORIES BY INTERPULSE FREQUENCY MODULATION APR 1960 CONFIDENTIAL
BY GREENE, C A — DDC NR. — CONTRACT NR. AF 19(604)-5725 — PROJ/TASK NR. 4506

AFCRC-TN-60-789
HUGHES AIRCRAFT COMPANY
<U> MIDCOURSE DISCRIMINATION BY ACTIVE RADAR APR 1960 SECRET
BY CHRISTMAN, J R — DDC NR. — CONTRACT NR. AF 19(604)-5725 — PROJ/TASK NR. 4506

AFCRC-TN-60-795
OHIO STATE UNIVERSITY
ECHO AREA OF COMBINATIONS OF CONES, SPHEROIDS, AND HEMISPHERES AS A FUNCTION OF BISTATIC ANGLE AND TARGET ASPECT JUNE 1960
BY EBERLE, J W; ST. CLAIR, R W — DDC NR. — CONTRACT NR. AF 19(604)-6157 — PROJ/TASK NR. 4600

AFCRC TN-60-841
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE TRANSFER OF ATMOSPHERIC OZONE INTO THE TROPOSPHERE, MAY 1, 1960.
BY BREWER, A. W. — DDC NR. — CONTRACT NR. AF 19(604)-5223 — PROJ/TASK NR. 8645

AFCRC TN-60-842
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A PILOT STUDY OF THE HORIZONTAL TRANSPORT OF FISSION PRODUCTS IN THE TROPOSPHERE, MAY 15, 1960.
BY NEWELL, R. E. — DDC NR. — CONTRACT NR. AF 19(604)-5223 — PROJ/TASK NR. 8645

AFCRC-TN-60-953
CENTRO RADIOELETRICO SPER, ITALY
TROPOSPHERIC INFLUENCE ON HF BACKSCATTER NEAR THE SEA
MAR 1960
BY RANZI, I — DDC NR. — CONTRACT NR. AF 61 (052)-139 — PROJ/TASK NR. 5630

AFCRC-TN-60-999
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS.
MAY 31, 1960.
BY ROHRBAUGH, J. H. — DDC NR. 244601 — CONTRACT NR. AF 19(604)-2673 — PROJ/TASK NR. 5621-56216

AFCRC-TN-60-1140
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS.
BY ROHRBAUGH, J. H. — DDC NR. 251054 — CONTRACT NR. AF 19(604)-2673 — PROJ/TASK NR. 5621-56216

AFCRC-TR-57-59
MT HOLYOKE COLLEGE
EXPERIMENTS ON VISUAL SEARCH 1956-1957, TASKS I AND II
JULY 1958
BY CORBIN, H; CARTER, J — DDC NR. — CONTRACT NR. AF 19(604)-1713 — PROJ/TASK NR. 7682

AFCRC-TR-59-3
CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
BACKWARD MASKING, DEC 59
(REPR, FR, JASA, V. 31, #13, DEC, 59)
BY PICKETT J. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 76841

AFCRC-TR-59-7
CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
LOW-FREQUENCY NOISE AND METHODS FOR CALCULATING SPEECH INTELLIGIBILITY, SEP 59
RFPR, FR, JASA, V. 31, #9, SEP 59)
BY PICKETT J. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 76841

AFCRC-TR-59-10
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SYCHOLINGUISTICS 1960
REPRINTED FROM ANNUAL REVIEW OF PSYCHOLOGY, V. 11, 1960
BY RUBENSTEIN, H; ABORN, M — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7682

AFCRC-TR-59-14
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
IDENTIFICATION OF VISUAL CORRELATIONAL SCATTERPLOTS 1960
J EXPER PSYCH 59 #6 1960
BY POLLACK, I — DDC NR. — CONTRACT NR. — PROJ/TASK NR.

AFCRC-TR-59-16
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE EVALUATION OF AIR FORCE WEATHER FORECASTERS NOV 59
BY KERSHNER, A M — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 9671-7

AFCRC-TR-59-17
CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
BIOGRAPHICAL CHARACTERISTICS OF AIR FORCE WEATHER FORECASTERS DEC 59
BY KERSHNER A M; JENNER W. A. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 9671-7

AFCRC-TR-59-53
PSYCHOLOGICAL RESEARCH ASSOCIATES, INC.
(U) A STUDY OF INFORMATION REQUIREMENTS IN TACTICAL AIR CONTROL SECRET JUNE 59
BY GARTNER, W; POST, T J; HUSSMAN, T A — DDC NR. — CONTRACT NR. AF 19(604)-2282 — PROJ/TASK NR.

AFCRC-TR-59-54
MICHIGAN, UNIVERSITY OF
CONCEPT OF THE IDEAL OBSERVER IN PSYCHOPHYSICS APR 1960
BY TANNER, JR., W P; BIRDSALL, T G — DDC NR. — CONTRACT NR. AF 19(604)-2277 — PROJ/TASK NR. 7682

AFCRC-TR-59-55
MICHIGAN UNIVERSITY OF
TABLES OF D- OCT 1949
BY ELLIOTT, P B — DDC NR. — CONTRACT NR. AF 19(604)-2277 — PROJ/TASK NR. 7682

AFCRC-TR-59-56
SYSTEM DEVELOPMENT CORPORATION
FINAL REPORT NOV 59
BY WOLIN, B R — DDC NR. — CONTRACT NR. AF 19(604)-2695 — PROJ/TASK NR. 1974

AFCRC-TR-59-57
PSYCHOLOGICAL RESEARCH ASSOCIATES, INCORPORATED
HUMAN FACTORS SUPPORT PROGRAM FOR OPERATOR PERSONNEL AN/TSQ-13 DATA PROCESSING SUB-SYSTEM(SYSTEM 412L) DEC 59
BY WALKER, P G; POOL, F T; KELLY, P. J.; PARKER, J F; WALKER W T; SMITH P F. — DDC NR. — CONTRACT NR. AF 19(604)-5194 — PROJ/TASK NR.

AFCRC-TR-59-58
INDIANA UNIVERSITY OF
OPERATING CHARACTERISTICS, SIGNAL DETECTABILITY, AND THE METHOD OF FREE RESPONSE DEC 15 59
BY EGAN, J P; GREENBERG G Z; SCHULMAN A I. — DDC NR. — CONTRACT NR. AF 19(604)-1962 — PROJ/TASK NR.

AFCRC-TR-59-59
MICHIGAN UNIVERSITY OF
DETECTION OF COMPLEX SIGNALS AS A FUNCTION OF SIGNAL BANDWIDTH AND DURATION JAN 1960
BY CREELMAN, C D — DDC NR. — CONTRACT NR. AF 19(604)-2277 — PROJ/TASK NR. 7682

AFCRC-TR-59-100
CHU ASSOCIATES
(U) AN ELECTRONIC SCANNING ANTENNA SYSTEM CONFIDENTIAL JAN 1 1959
BY PLOUSSIOS G; WEINER M M — DDC NR. 304191 — CONTRACT NR. AF 19(604)-1912 — PROJ/TASK NR. 4560-46312 — PROJ/TASK NR. 4650-46502

AFCRC-TR-59-101
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SOME INTRODUCTORY NOTES ON APPLICATIONS OF LINEAR AND DYNAMIC PROGRAMMING TO COMMUNICATION PROBLEMS JAN 1959
BY MIDDLETON D — DDC NR. 211476 — CONTRACT NR. — PROJ/TASK NR. 5632-56323

AFCRC-TR-59-102
SYRACUSE UNIVERSITY RESEARCH INSTITUTE
LEXINGTON-SYRACUSE TROPOSPHERIC SCATTER PROPAGATION LINK AND RELATED STUDIES OCT 1 1958
BY NAMORDI M; WYRICK R; GOLDMAN S — DDC NR. 208867 — CONTRACT NR. AF 19(604)-1179 — PROJ/TASK NR. 4602-46038

AFCRC-TR-59-103
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SANDWICH-WIRE ANTENNA DESIGN DEC 1958
BY ROTHMAN, W; KARAS, N — DDC NR. 160764 — CONTRACT NR. — PROJ/TASK NR. 4600-8

AFCRC-TR-59-104
ARMOUR RESEARCH FOUNDATION
PURE SILICON CARBIDE IN SINGLE CRYSTAL FORM
PART 1-FINAL REPORT DEC 1958
BY — DDC NR. 208868 — CONTRACT NR. AF 19(604)-1933 — PROJ/TASK NR. AF 19(601)A933

AFCRC-TR-59-104
ARMOUR RESEARCH FOUNDATION
PURE SILICON CARBIDE IN SINGLE CRYSTAL FORM SUPPLEMENTARY COPY OF LITERATURE SURVEY APPENDIX VI OF FINAL REPORT
PART II DEC 1958
BY — DDC NR. 208868 — CONTRACT NR. AF 19(604)-1933 — PROJ/TASK NR. 4156-46210

AFCRC-TR-59-105
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE CORNER ARRAY JAN 1959
BY SCHELL A C — DDC NR. 209201 — CONTRACT NR. — PROJ/TASK NR. 4600-46009

AFCRC-TR-59-106
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN ANALOG PULSE TO DC DECODER AND CONVERTER TACS EXPERIMENTAL SYSTEM SERVICE MANUAL JAN 1959
BY MCKINNEY A R — DDC NR. 209903 — CONTRACT NR. — PROJ/TASK NR. 4600-3

AFCRC-TR-59-107
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROJECTION DISPLAY SYSTEM FOR THE DEVELOPMENT MODEL OF THE AN/TSQ-13 FEB 1959
BY SWEENEY, M J; FOX, W R — DDC NR. 209904 — CONTRACT NR. — PROJ/TASK NR. 4600-4

AFCRC-TR-59-109
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN AIRBORNE TRANSISTORIZED AUTOMATIC BINARY-CODE ERROR DETECTOR AND COUNTER UNIT FOR EVALUATING AN EXPERIMENTAL COMMUNICATION SYSTEM JAN 1959
BY DI GIORGIO, J A — DDC NR. 210217 — CONTRACT NR. — PROJ/TASK NR. 4610

AFCRC-TR-59-110
NEW YORK UNIVERSITY
EVALUATION AND OPTIMIZATION OF DIGITAL COMMUNICATION SYSTEM JAN 14 1958- JAN 14 1959 FINAL RPT
BY CHANG S S L; HARRIS B; HAUPSCHEIN A; HOFFMAN D; METZNER J; MORGAN K C; SCHWARTZ L S — DDC NR. 211102 — CONTRACT NR. AF 19(604)-1964 — PROJ/TASK NR. 4602-2

AFCRC-TR-59-111
RADIO CORPORATION OF AMERICA
INVESTIGATIONS LEADING TO THE DEVELOPMENT OF TERMINAL EQUIPMENT FOR USE ON AN EXPERIMENTAL METEOR-BURST COMMUNICATIONS LINK NOV 5 58
BY WICKIZER G. S. — DDC NR. — CONTRACT NR. AF 19(604)-1522 — PROJ/TASK NR. 4603-7

AFCRC-TR-59-112
TECHNICAL RESEARCH GROUP
MICROWAVE STUDIES IN VARIABLE INDEX LENSES, ELECTRONIC SWITCHING AND EFFECTIVE MUTUAL COUPLING OF SLOT ARRAYS FEB 6 59
BY KAY, A F — DDC NR. 211152
SIMMONS, A J — CONTRACT NR. AF 19(604)-4056
PROJ/TASK NR. 4506-46119

AFCRC-TR-59-113
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A LARGE SCREEN DIGITAL DATA DISPLAY FOR THE AN/TSQ-17 MAR 1959
BY PORTER W C — DDC NR. 211214
CONTRACT NR.
PROJ/TASK NR. 6660-66604

AFCRC-TR-59-114
GENERAL ELECTRIC COMPANY
(U) IFF OPERATIONS RESEARCH SECRET FEB 28 1959
BY — DDC NR. 309659
CONTRACT NR. AF 19(604)-1836
PROJ/TASK NR. 6606

AFCRC-TR-59-115
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A TRANSISTORIZED RADAR TARGET TRACKER MAR 1959
BY HORTH T C — DDC NR. 210668
CONTRACT NR.
PROJ/TASK NR. 6660

AFCRC-TR-59-116
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PITCH EXTRACTION FOR SPEECH SYNTHESIS WITH SPECIAL TECHNIQUES FOR USE IN DIGITIZED BANDWIDTH COMPRESSION SYSTEMS MAR 1959
BY ERIGER L V — DDC NR. 210669
CONTRACT NR.
PROJ/TASK NR. 6602

AFCRC-TR-59-117
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) EVALUATION OF BISTATIC CW RADAR CONFIDENTIAL MAR 1959
BY WHITNEY, H E — DDC NR. 309667
CONTRACT NR.
PROJ/TASK NR. 6670

AFCRC-TR-59-118
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) FINAL DEVELOPMENT REPORT ON AN/TSQ-17 AND RELATED EQUIPMENT CONFIDENTIAL MAY 1959
BY MCMANUS, R O — DDC NR. 309670
SPGAL, F — CONTRACT NR.
PROJ/TASK NR. 6660

AFCRC-TR-59-1201
TASKER INSTRUMENTS CORPORATION
SYSTEM PROBLEMS IN EVOLVING AN AIR TRAFFIC CONTROL COMPUTER FOR THE NEW YORK AREA DEC 1957
BY JACKSON R O — DDC NR. 212911
LIU Y J — CONTRACT NR. AF 19(604)-2272
PROJ/TASK NR. 6696-1

AFCRC-TR-59-1201I
TASKER INSTRUMENTS CORPORATION
THE AIR TRAFFIC CONTROL PROBLEM AS IT EXISTS IN THE LARF-WRATH FROLAND MILITARY CONTROL AREA VOLUME II NOV 1958
BY JACKSON R O — DDC NR. 213093
SWANSFER H W — CONTRACT NR. AF 19(604)-2272
WAY W — PROJ/TASK NR. 6696-1
LACH W J
BERSCOTER D
KLOTZ F

AFCRC-TR-59-1201II
TASKER INSTRUMENTS CORPORATION
THE AIR TRAFFIC CONTROL PROBLEM AS IT EXISTS IN THE
OLATHE KANSAS CONTROL AREA VOLUME III
BY JACKSON R O — DDC NR. 213094
SWANSFER H W — CONTRACT NR. AF 19(604)-2272
WAY W — PROJ/TASK NR. 6696-1
LACH W J
BERSCOTER D
KLOTZ F

AFCRC-TR-59-1201IV
TASKER INSTRUMENTS CORPORATION
ENGINEERING FEASIBILITY STUDY OF AN AIR TRAFFIC CONTROL CONTROL SYSTEM FOR TRANSITION AND TERMINAL AREA VOLUME IV NOV 1958
BY TASKER H G — DDC NR. 213095
DASPIT J T — CONTRACT NR. AF 19(604)-2272
PROJ/TASK NR. 6696-1

AFCRC-TR-59-121
RADIO CORPORATION OF AMERICA
(U) UHF FREQUENCY SHIFT KEYED RECEIVER CONFIDENTIAL MAR 19 1959
BY — DDC NR. 309901
CONTRACT NR. AF 19(604)-2064
PROJ/TASK NR. 6602-6

AFCRC-TR-59-122
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CHARACTERISTICS OF CONTINUOUS VHF TROPOSPHERIC SCATTER PROPAGATION OF CONCERN IN THE DESIGN OF RELIABLE LONG-DISTANCE COMMUNICATIONS CIRCUITS
BY ROGERS T F — DDC NR. 211932
CONTRACT NR.
PROJ/TASK NR. 6610

AFCRC-TR-59-123
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
FUNDAMENTAL PARTICLES MAR 1959
BY HAMMOND R J — DDC NR. 212077
CONTRACT NR.
PROJ/TASK NR. 5633-6

AFCRC-TR-59-124
MARTIN COMPANY
S BAND POWER AMPLIFIER MAR 1959
BY — DDC NR. 212665
CONTRACT NR. AF 19(604)-1861
PROJ/TASK NR. 4610-1

AFCRC-TR-59-125
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS AND MEASUREMENTS OF PROPERTIES OF SINGLE-CRYSTAL SILICON MAR 31 1959
BY BEER A C — DDC NR. 212939
CONTRACT NR. AF 19(604)-1892
PROJ/TASK NR. 5620-2

AFCRC-TR-59-126
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EXPERIMENTAL STUDY OF A DIFFRACTION REFLECTOR APR 1959
BY PROVENCHER, J H — DDC NR. 212926
CONTRACT NR.
PROJ/TASK NR. 6660-66015

AFCRC-TR-59-127
STANFORD RESEARCH INSTITUTE
(U) WAVEFORM AND SPECTRA STUDY SECRET RESTRICTED DATA MAR 59
BY NELSON R A — DDC NR.
MARR R D — CONTRACT NR. AF 19(604)-2289
PROJ/TASK NR. 4089-66220

AFCRC-TR-59-128
GENERAL ELECTRIC COMPANY
(U) ANTENNA BEAM SCANNING CONFIDENTIAL MAR 31 1959
BY TOTTER H O — DDC NR. 308302
CONTRACT NR. AF 19(604)-1868
PROJ/TASK NR. 4506-66312

AFCRC-TR-59-129
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A CONCENTRIC LOOP ARRAY APR 1959
BY SCHELL, A C — DDC NR. 213840
ROUCHE, F L — CONTRACT NR.
PROJ/TASK NR. 6600-9

AFCRC-TR-59-130
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THEORY OF NOISY TWO-PORT NETWORKS APR 1959
REPR FR JOURN OF THE FRANKLIN INST V 267 #1 JAN 1959
BY BOLINDER F F — DDC NR. 213852
CONTRACT NR.
PROJ/TASK NR. 6600-66017

AFCRC-TR-59-131
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE FIRENZE
RADAR FOR RESEARCH ON METEOR BURST PROPAGATION FEB 1959
BY — DDC NR. 213851
CONTRACT NR. AF 61(052)-64
PROJ/TASK NR.

AFCRC-TR-59-132
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TABLES OF ANGULAR FUNCTIONS FOR MULTIPOLE EXPANSIONS OF ELECTROMAGNETIC FIELDS APR 1959
BY LOGAN, N A — DDC NR. 214420
REYNOLDS, G F — CONTRACT NR.
MACK, R B — PROJ/TASK NR. 6268-66010

AFCRC-TR-59-133
AIRBORNE INSTRUMENTS LABORATORY
(U) ASPECTS OF MEDIUM FREQUENCY DATA TRANSMISSION SECRET APR 59
BY HARTMAN, L A — DDC NR. 306966
MEHALL, A D — CONTRACT NR. AF 19(604)-2621
POGUST, F B — PROJ/TASK NR. 6650-9

AFCRC-TR-59-134
SYLVANIA ELECTRIC PRODUCTS, INC .
INVESTIGATION OF THE USE OF ELECTRON CYCLOTRON RESONANCE TO OBTAIN MICROWAVE PHASE SHIFT MAR 959
BY TUBBS, E F — DDC NR. 214621
CONTRACT NR. AF 19(604)-2291
PROJ/TASK NR. 4560-66912

AFCRC-TR-59-135
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE ZEROS AND MAXIMA OF THE AIRY FUNCTION AND ITS FIRST DERIVATIVE TO 25 SIGNIFICANT FIGURES APRIL 1959
BY SHERRY, M F — DDC NR. 214668
CONTRACT NR.
PROJ/TASK NR. 6609

AFCRC-TR-59-136
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TROPOSPHERIC AND IONOSPHERIC SCATTER PROPAGATION IN THE TRANSITION ZONE APR 1959
BY PIVAROWAS, F A — DDC NR. 214698
CONTRACT NR.
PROJ/TASK NR. 6601-8

AFCRC-TR-59-137
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AIR FORCE CAMBRIDGE RESEARCH CENTER RADAR CROSS-SECTION MEASURING EQUIPMENT AND RANGE APR 1959
BY GOBB, A R — DDC NR. 214864
CONTRACT NR.
PROJ/TASK NR. 6708-66010

AFCRC-TR-59-138
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PHASE-MODULATED ANTENNAS APR 1959
BY ORANE, JR., C J — DDC NR. 215976
CONTRACT NR.
PROJ/TASK NR. 6600-66017

AFCRC-TR-59-139
NUCLEAR SCIENCE AND ENGINEERING CORPORATION
ACTIVATION ANALYSIS HANDBOOK DEC 19 1958
BY KOCH R C — DDC NR. 210961
CONTRACT NR. AF 19(604)-2214
PROJ/TASK NR. 6196-66210

AFCRC-TR-59-160
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN EVALUATION OF THE P-N-P-N NEGATIVE RESISTANCE DIODE
MAR 59
BY HONOR M. I. — DDC NR. 219065; CONTRACT NR.; PROJ/TASK NR. 6156-66210

AFCRC-TR-59-161
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE STRUCTURE OF ALUMINUM OXIDE APR 59
BY EULER, F — DDC NR. 219066; CONTRACT NR.; PROJ/TASK NR. 6671-66210

AFCRC-TR-59-162
PITTSBURG, UNIVERSITY OF
THEORETICAL STUDY OF THE PRODUCTION OF SECONDARY DISPLACED ATOMS DURING IRRADIATION APR 17 59
BY TOWNSEND, J R — DDC NR. 219067; CONTRACT NR. AF 19(604)-3699; PROJ/TASK NR. 6608

AFCRC-TR-59-163
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SIGNAL TO NOISE IMPROVEMENT THROUGH CODING MAY 1959
BY MOTT-SMITH, J C — DDC NR. 219115; CONTRACT NR.; PROJ/TASK NR. 6699-1

AFCRC-TR-59-164
NEW YORK UNIVERSITY
BASIC MATHEMATICAL INVESTIGATIONS IN ELECTROMAGNETIC WAVE THEORY MAR 59
BY — DDC NR. 219113; CONTRACT NR. AF 19(604)-1717; PROJ/TASK NR. 6268-66810; PROJ/TASK NR. 5630

AFCRC-TR-59-165
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ANALYSIS OF AFR OPERATIONS PLAN FOR SUFFOLK COUNTY AFB MAR 1959
BY GREEN, JR., R F; HALLGREN, J; BRANDT, R W; CAULEY, J R — DDC NR. 219076; CONTRACT NR.; PROJ/TASK NR. 7124

AFCRC-TR-59-166
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SURVEY ON RECENT GEOMETRIC-ANALYTIC WORK ON IMPEDANCE, POWER, AND NOISE TRANSFORMATIONS MAY 1959
BY BOLINDER, F P — DDC NR. 219021; CONTRACT NR.; PROJ/TASK NR. 6600-66017

AFCRC-TR-59-168
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
50-MCPS SIGNAL LEVEL MEASUREMENTS ALONG A 2000-MILE PATH JUNE 1959
BY ORANGE, A S; ROGERS, T F — DDC NR. 219102; CONTRACT NR.; PROJ/TASK NR. 6610

AFCRC-TR-59-169
CONTINENTAL ELECTRONICS MANUFACTURING COMPANY
DEVELOPMENT OF 10 KILOWATT VHF AIRBORNE RADIO COMMUNICATIONS TRANSMITTER MAR 59
BY TACKETT, W A — DDC NR. 219101; CONTRACT NR. AF 19(604)-3060; PROJ/TASK NR. 6610-1

AFCRC-TR-59-150
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
IMPEDANCE, POWER, AND NOISE TRANSFORMATIONS BY MEANS OF THE HEREWERE MODEL OF LORENTZ SPACE JUNE 1959
BY BOLINDER, F P — DDC NR. 219237; CONTRACT NR.; PROJ/TASK NR. 6600-66017

AFCRC-TR-59-151
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SOME PROBLEMS IN LONG RANGE PROPAGATION OF MICROWAVES IN THE TROPOSPHERE 1958
BY VYSOKOVSKII, D M — DDC NR. 219238; CONTRACT NR.; PROJ/TASK NR. 6609-2

AFCRC-TR-59-152
LABORATORY FOR ELECTRONICS, INC.
(U) TACTICAL NAVIGATION STUDY SECRET MAY 15 1959
BY — DDC NR.; CONTRACT NR. AF 19(604)-5507; PROJ/TASK NR.

AFCRC-TR-59-153
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A METHOD FOR NUMERICAL EVALUATION OF THE COEFFICIENTS OF FOURIER SERIES JUNE 1959
BY HAASE, E H — DDC NR. 219366; CONTRACT NR.; PROJ/TASK NR. 6609

AFCRC-TR-59-154
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TABLES AND SCHEMES FOR EVALUTING FOURIER COEFFICIENTS OF PERIODIC FUNCTIONS JUNE 59
BY HAASE, E H — DDC NR. 219367; CONTRACT NR.; PROJ/TASK NR. 6609

AFCRC-TR-59-155
PHILCO CORPORATION
RESEARCH DIRECTED TOWARD THE GROWTH OF SILICON CRYSTALS FROM SILANE MAY 15 1959
BY CARROLL T J; LEVER R F; POWERS J E — DDC NR. 219523; CONTRACT NR. AF 19(604)-6066; PROJ/TASK NR. 5620-2

AFCRC-TR-59-156
SAGE LABORATORIES, INC.
INVESTIGATION INTO THE DESIGN OF ROTATING MECHANICAL PHASE SHIFTING DEVICES DEC 31 1958
BY CHACRAN, J J — DDC NR. 219784; CONTRACT NR. AF 19(604)-1866; PROJ/TASK NR. 6609-1

AFCRC-TR-59-156
SAGE LABORATORIES, INC.
INVESTIGATION INTO THE DESIGN OF ROTATING MECHANICAL PHASE SHIFTING DEVICES DEC 31 1958
BY CHACRAN, J J — DDC NR. 219784; CONTRACT NR. AF 19(604)-1866; PROJ/TASK NR. 6609-66700

AFCRC-TR-59-157
PHILCO CORP
INVESTIGATION OF PHYSICAL LIMITATIONS ON CURRENT GAIN (BETA) AND RESEARCH ON IMPROVED SILICON CONTACTS APR 1959
BY MAISSEL, L I; SPRATT, J P — DDC NR. 219765; CONTRACT NR. AF 19(604)-2896; PROJ/TASK NR. 5602

AFCRC-TR-59-158
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
INCREASING THE RELIABILITY OF DIGITAL COMMUNICATIONS SYSTEMS UNDER POOR SIGNAL CONDITIONS JUNE 59
BY LEVITOF, B; DALY, P J; PORTER, W C — DDC NR.; CONTRACT NR.; PROJ/TASK NR. 8766-66808

AFCRC-TR-59-159
LITTON INDUSTRIES
SURFACE WAVE ANTENNA STUDY MAY 28 59
BY HOOPER W. P.; WOLFF E. A. — DDC NR.; CONTRACT NR. AF 19(604)-3657; PROJ/TASK NR. 6616-66808

AFCRC-TR-59-160
SEATTLE UNIVERSITY
RESEARCH ON TRAVELING WAVE ANTENNAS JUNE 59
BY REYNOLDS, D K; SIEGLMAN, B A — DDC NR. 217821; CONTRACT NR. AF 19(604)-6052; PROJ/TASK NR. 6600-7

AFCRC-TR-59-1611
ARTHUR D. LITTLE, INC.
INVESTIGATION AND EVALUATION OF VARIOUS PROCESSES IN SOLID STATE AND GASEOUS ELECTRONICS, PART I, CRYSTAL-GROWTH PROCESSES AND A DESIGN STUDY FOR A CRYSTAL-GROWTH FACILITY JUNE 30 59
BY — DDC NR. 217859; CONTRACT NR. AF 19(604)-6116; PROJ/TASK NR. 5620-2

AFCRC-TR-59-1612
ARTHUR D. LITTLE, INC.
INVESTIGATION AND EVALUATION OF VARIOUS PROCESSES IN SOLID STATE AND GASEOUS ELECTRONICS, PART II, GASEOUS-PLASMA PHYSICS JUNE 30 59
BY — DDC NR. 217859Z; CONTRACT NR. AF 19(604)-6116; PROJ/TASK NR. 5620-2

AFCRC-TR-59-162
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THEORY OF ELECTRIC FLUCTUATIONS AND THERMAL RADIATION JULY 59
BY RYTOV, S M; LEBEDEV, P N — DDC NR.; CONTRACT NR.; PROJ/TASK NR. 5639

AFCRC-TR-59-163
DALMO VICTOR COMPANY
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS TO DEVISE METHODS FOR OBTAINING DYNAMIC PATTERN DATA FOR ANTENNA SYSTEMS JUNE 16 1959
BY THILLE, P W; ANDREWS, C A; CARPENTER, J F; MILLER, P J — DDC NR.; CONTRACT NR. AF 19(604)-2697; PROJ/TASK NR. 4560-66811

AFCRC-TR-59-164
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE USE OF COSET EQUIVALENCE IN THE ANALYSIS AND DECODING OF GROUP CODES JUNE 59
BY PRANGE, E — DDC NR.; CONTRACT NR.; PROJ/TASK NR. 6610-6

AFCRC-TR-59-165
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TECHNIQUES FOR AIR CONTROL SYSTEM APPLICATIONS JULY 59
BY HOBIN, T C; HARPELL, G; PUGH, III, A; GROMSTAD, J — DDC NR.; CONTRACT NR.; PROJ/TASK NR. 8766-66808

AFCRC-TR-59-166
WESTINGHOUSE ELEC CORP
PULSE TRANSMISSION STUDY JUNE 1959
BY MCAIR IFF, G E; FILIPOWSKY, R — DDC NR.; CONTRACT NR. AF 19(604)-6082; PROJ/TASK NR. 6609

AFCRC-TR-59-167
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
GENERAL METHOD OF ANALYZING BILATERAL TWO-PORT NETWORKS FROM THREE ARBITRARY IMPEDANCE OR REFLECTION COEFFICIENT MEASUREMENTS, JULY 59
(PGCT, PR, PROCEEDINGS OF THE NAT. ELECTRONICS CONF., OCT. 19-21, 58, VOL 14, PP. 565-576)
BY BOLINDER F. P — DDC NR.; CONTRACT NR.; PROJ/TASK NR. 6600-66017

AFCRC-TR-59-168
PHYSICAL LABORATORIES, THE UNIVERSITY <ENG>
A STUDY OF THE COHERENCE PROPERTIES OF HIGH FREQUENCY ELECTROMAGNETIC RADIATION MAR 1959
BY WOLF, E DDC NR,
CONTRACT NR, AF 61(052)-169
PROJ/TASK NR, 5491

AFCRC-TR-59-169
FERRANTI ELECTRIC, INC.
DEVELOPMENT OF AN ACOUSTIC DELAY LINE FOR DIGITAL STORAGE JULY 8 59
BY DDC NR,
CONTRACT NR, AF 19(604)-3900
PROJ/TASK NR, 4609-8

AFCRC-TR-59-170
DIFFWOOD CORPORATION
REDUNDANCY FOR IMPROVING ACCURACY IN COMMUNICATIONS JUNE 30 1959
BY RASOOF, B L DDC NR,
CONTRACT NR, AF 19(604)-6078
PROJ/TASK NR, 4609-1

AFCRC-TR-59-171
SYLVANIA ELECTRIC PRODUCTS, INCORPORATED
INVESTIGATION OF SUBMILLIMETER WAVE GENERATION JUNE 30 59
BY WHEELER, G J DDC NR,
CONTRACT NR, AF 19(604)-6081
PROJ/TASK NR, 5620-1

AFCRC-TR-59-172
RESEARCH TECHNOLOGY ASSOCIATES, INCORPORATED
STUDY OF ELECTRON AND ION BEAMS UNDER OUTER SPACE CONDITIONS AUG 15 59
BY BARASIAN J. DDC NR,
CONTRACT NR, AF 19(604)-5895
PROJ/TASK NR, 6156-66310

AFCRC-TR-59-173
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> A MODEST PROPOSAL CONFIDENTIAL JULY 59
BY STORM, R DDC NR,
CONTRACT NR,
PROJ/TASK NR, 5601

AFCRC-TR-59-174
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A SURVEY OF THE RESEARCH ON IONIZED MEDIA AUG 59
BY JACKSON, P A DDC NR,
CONTRACT NR,
PROJ/TASK NR, 5636-2

AFCRC-TR-59-175
PICKARD & BURNS, INC.
THE IMPROVEMENT OF SIGNAL-TO-NOISE RATIOS OF THE COZI EQUIPMENT JULY 17 1959
BY SHAPIRO, L D DDC NR,
CONTRACT NR, AF 19(604)-1502
PROJ/TASK NR, 4609-9

AFCRC-TR-59-176
SPERRY GYROSCOPE COMPANY
<U> LONG-BASELINE ASTREC SYSTEM IMPROVEMENT STUDY SECRET RESTRICTED DATA JUNE 59
BY DEAN, W W DDC NR,
WATTS, P C CONTRACT NR, AF 19(604)-5206
WAINWRIGHT, F A PROJ/TASK NR, 4662

AFCRC-TR-59-177
RADIO CORPORATION OF AMERICA
INTEGRATED SEMICONDUCTOR DEVICE STUDIES MAY 31 59
BY WALLMARK, J T DDC NR,
CONTRACT NR, AF 19(604)-1957
PROJ/TASK NR, 4609-1

AFCRC-TR-59-178
HUGHES AIRCRAFT COMPANY
<U> STUDY OF THE SYSTEMS AND OPERATIONAL ANALYSIS OF AIRBORNE RADAR RECONNAISSANCE AND BOMBING AS IT AFFECTS THE ANTENNA SYSTEM CONFIDENTIAL JUNE 15 59
BY WILCOX, C H DDC NR,
CONTRACT NR, AF 19(604)-2629
PROJ/TASK NR, 4600-7

AFCRC-TR-59-179
MICHIGAN UNIVERSITY OF
FINAL REPORT JULY 1959
BY SIEGEL, K M DDC NR,
CONTRACT NR, AF 19(604)-1969
PROJ/TASK NR,

AFCRC-TR-59-180
MICHIGAN, UNIVERSITY OF
TRANSVERSE WHISTLER PROPAGATION JUNE 1959
BY HELMS, C O DDC NR,
HOFFMAN, W C CONTRACT NR, AF 19(604)-5551
WEIL, H PROJ/TASK NR, 4506

AFCRC-TR-59-181
CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
GEOMETRIC ANALYTIC THEORY OF TRANSITION IN ELECTRICAL ENGINEERING, AUG 59
<REPR, FR, THE PROCEEDINGS OF THE IRE, 47, 86, 1120-1129, JUNE 59>
BY ROLLETT, F. F DDC NR,
CONTRACT NR,
PROJ/TASK NR, 4600-66017

AFCRC-TR-59-182
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
RADIO STAR SCINTILLATION AT 915 MC APR 1959
BY KO, H C DDC NR,
CONTRACT NR, AF 19(604)-1991
PROJ/TASK NR, 4601-66130

AFCRC-TR-59-183
WESTAR, INCORPORATED
<U> STUDY OF ANTI-JAM COMMUNICATION SYSTEM USING REDUNDANT TRANSMISSIONS SECRET JULY 31 59
BY DDC NR,
CONTRACT NR, AF 19(604)-6064
PROJ/TASK NR, 4606-66110

AFCRC-TR-59-184
MANCHESTER, UNIVERSITY OF
RESEARCH ON MOON ECHO PHENOMENA MAY 1 1958-MAY 1 1959
BY EVANS, J V DDC NR,
CONTRACT NR, AF 61(514)-967
PROJ/TASK NR, 4601-66130

AFCRC-TR-59-185
RANTEC CORPORATION
<U> FLAT PLATE RADAR ANTENNA CONFIDENTIAL JUNE 23 59
BY KURTZ, L A DDC NR,
CONTRACT NR, AF 19(604)-3667
PROJ/TASK NR, 4600-7

AFCRC-TR-59-186
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
SATELLITE POSITION PREDICTION FROM SIX FREQUENCY-TIME PAIRS AUG 59
REPR, FR, PROCEEDING OF THE NINTH INTERNAT, ASTRONAUTICAL CONGRESS, AMSTERDAM, 1958
BY URRAMS, R M DDC NR,
CONTRACT NR,
PROJ/TASK NR, 5632-2

AFCRC-TR-59-187
NORTHEASTERN UNIVERSITY
SPEECH ANALYSIS
BY CHANG, S H DDC NR,
HOWARD, C R CONTRACT NR, AF 19(604)-3665
BACH, JR, R E PROJ/TASK NR, 4602-1
SIMYS, B

AFCRC-TR-59-188
SYLVANIA ELECTRIC PRODUCTS INCORPORATED
FACTORS AFFECTING M -WAVE ELECTRICAL BREAKDOWN AND TRANSMISSION NOSE MISSILE ANTENNAS AUG 28 59
BY HILL R M DDC NR,
PERICOS, AJ CONTRACT NR, AF 19(604)-3883
BAJU, R S PROJ/TASK NR, 4615
TUBBS, F F

AFCRC-TR-59-189
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
COMMUNICATION BY PARTICLE BEAMS SEP 59
BY PRESTON, W M DDC NR,
CONTRACT NR,
PROJ/TASK NR,

AFCRC-TR-59-190
GENERAL ELECTRIC COMPANY
TRI-COORDINATE RECEIVING SYSTEM DEVELOPMENT
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BY WEBB R. S. DDC NR,
CONTRACT NR, AF 19(604)-1913
PROJ/TASK NR, 4600-9

AFCRC-TR-59-191
HERMES ELECTRONICS COMPANY
THEORY OF ANTENNA PERFORMANCE IN SCATTERTYPE RECEPTION SEP 59
BY STEIN, S DDC NR,
JOHANSEN, D E CONTRACT NR, AF 19(604)-5216
STARR, A W PROJ/TASK NR, 4600-9

AFCRC-TR-59-192
MELPAR, INCORPORATED
<U> DESIGN OF A RADAR RECEIVING SYSTEM TO MEASURE ELEVATION ANGLES CONFIDENTIAL
BY DDC NR,
CONTRACT NR, AF 19(604)-2627
PROJ/TASK NR, 4604-66119

AFCRC-TR-59-193
COMPAGNIE GENERALE DE TELEGRAPHIE SANS FILS
1. RESEARCH ON AIR TO GROUND SCATTER, II. SUPERGAIN AND VOLUMETRIC ANTENNAS JUNE 15 59
BY ROBIFUS, J DDC NR,
SPITZ, F CONTRACT NR, AF 61(514)-1150
PROJ/TASK NR, 4610

AFCRC-TR-59-194
COMPAGNIE GENERALE DE TELEGRAPHIE SANS FILS
SUPERGAIN AND VOLUMETRIC ANTENNAS JUNE 15 59
BY SPITZ, F DDC NR,
CONTRACT NR, AF 61(052)-102
PROJ/TASK NR, 4600

AFCRC-TR-59-195
GENERAL ELECTRIC COMPANY
<U> THREAT EVALUATION AND ACTION SELECTION FOR THE 1965-1975 STRATEGIC ENVIRONMENT<TEASS>, TASK 1 EXECUTIVE SUMMARY SECRET DEC 31 59
BY DDC NR,
CONTRACT NR, AF 19(604)-5881
PROJ/TASK NR, 4690

AFCRC-TR-59-1961
GENERAL ELECTRIC COMPANY
<U> THREAT EVALUATION AND ACTION SELECTION FOR THE 1965-1975 STRATEGIC ENVIRONMENT, TASK 1, SCIENTIFIC REPORT SECRET 1959
BY MARMARIS, G. P. DDC NR,
CONTRACT NR, AF 19(604)-5881
PROJ/TASK NR, 4690
PROJ/TASK NR, 4691

AFCRC-TR-59-196II
GENERAL ELECTRIC COMPANY
<U> THREAT EVALUATION AND ACTION SELECTION FOR THE 1965-1975 STRATEGIC ENVIRONMENT. TASK U. SUMMARY REPORT SECRET 1959
BY MANDANIS, G. P. — DDC NR. — CONTRACT NR. AF 19(604)-5881 — PROJ/TASK NR. 4690 — PROJ/TASK NR. 4691

AFCRC-TR-59-196III
ENERAL ELECTRIC COMPANY
THREAT EVALUATION AND ACTION SELECTION FOR THE 1965-1975 STRATEGIC ENVIRONMENT. TASK 1. HUMAN FACTORS STUDY 1959
BY DOSSETT W — DDC NR.
MCCLINTOCK C — CONTRACT NR. AF 19(604)-5881 — PROJ/TASK NR. 4690 — PROJ/TASK NR. 4691

AFCRC-TR-59-196IV
GENERAL ELECTRIC COMPANY
<U> THREAT EVALUATION AND ACTION SELECTION FOR THE 1965-1975 STRATEGIC ENVIRONMENT. TASK 1. DATA PROCESSING RESOURCES STUDY SECRET 1959
BY BISHOP, L. G. — DDC NR. — CONTRACT NR. AF 19(604)-5881 — PROJ/TASK NR. 4690 — PROJ/TASK NR. 4691

AFCRC-TR-59-196V
GENERAL ELECTRIC COMPANY
THREAT EVALUATION AND ACTION SELECTION FOR THE 1965-1975 STRATEGIC ENVIRONMENT. TASK 1. POWER DIFFUSION AND MILITARY STRATEGY 1959
BY HEKHUIS, D. — DDC NR.
CODY C. E. — CONTRACT NR. AF 19(604)-5881
GOSS, H. P. — PROJ/TASK NR. 4690 — PROJ/TASK NR. 4691

AFCRC-TR-59-197
BROWN UNIVERSITY
INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER SEMICONDUCTORS SEP 1 56-SEP 30 59
BY FARNSWORTH, H E — DDC NR.
DILLON, J A, JR — CONTRACT NR. AF 19(604)-1952
SCHLIER, R E — PROJ/TASK NR. 4156-46210
HANEMAN, D

AFCRC-TR-59-198
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
PROCEEDINGS OF SEMINAR ON SPEECH COMPRESSION

AFCRC-TR-59-199
BROWN UNIVERSITY
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF SILICON AND SILICON-CARBIDE SURFACES OCT 1 58-SEP 30 59
BY DILLON, JR., J A — DDC NR.
OMAN, R. W. — CONTRACT NR. AF 19(604)-4568 — PROJ/TASK NR. 5621-2

AFCRC-TR-59-200
ALLIED RESEARCH ASSOCIATES INC
<U> IDENTIFICATION OF ICBM DECOYS SECRET DEC 31 1958
BY CARPENTER J W — DDC NR.
SCHERB F — CONTRACT NR. AF 19(604)-2628 — PROJ/TASK NR.

AFCRC-TR-59-202
COOK RESEARCH LABORATORIES
<U> RB 36 MODIFICATION AND INSTRUMENTATION PROGRAM-PHASE II VOL I SECRET OCT 15 1958
BY HAWKINS H V — DDC NR.
FREDETTE R O — CONTRACT NR. AF 19(604)-2293 — PROJ/TASK NR.
LORENZ L J
WIANT H W

AFCRC-TR-59-203
CAMBRIDGE CORPORATION
LIFTING GAS MASS FLOW METERS DEC 29 1958
BY ANDONIAN M O — DDC NR.
CONTRACT NR. AF 19(604)-1320
CONTRACT NR. AF 19(604)-1426
PROJ/TASK NR. 6665-5
PROJ/TASK NR. 7672-2

AFCRC-TR-59-204
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
STUDIES IN EXPERIMENTAL HYDRODYNAMIC ANALOGUES OF THE ATMOSPHERE DEC 1958
BY — DDC NR. 211199
CONTRACT NR. AF 19(604)-1292
PROJ/TASK NR. 7652-2

AFCRC-TR-59-205
HARVARD UNIVERSITY
LABORATORY STUDIES PERTAINING TO ATOMIC AND MOLECULAR REACTIONS AND RADIATIONS IN THE UPPER ATMOSPHERE JAN 20 1959
BY CARLETON N P — DDC NR. 211924
CONTRACT NR. AF 19(604)-1041
PROJ/TASK NR. 7635-6

AFCRC-TR-59-206
NEW YORK UNIVERSITY
INVESTIGATION OF IONOSPHERIC PARTICLE INTERACTION NOV 1958
BY — DDC NR.
CONTRACT NR. AF 19(604)-1705
PROJ/TASK NR. 7639-76361

AFCRC-TR-59-207
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE STUDY OF THE DIFFUSION OF GASES OR AEROSOLS IN THE LOWER ATMOSPHERE JAN 15 1959
BY CRAMER H E — DDC NR. 210482
RECORD F A — CONTRACT NR. AF 19(604)-3460
VAUGHAN H F — PROJ/TASK NR.

AFCRC-TR-59-208
ELECTRO-MECHANICS COMPANY THE
VARIABLE-MU MAGNETOMETER JAN 5 1959
BY — DDC NR. 210483
CONTRACT NR. AF 19(604)-1742
PROJ/TASK NR. 7661

AFCRC-TR-59-210
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
SPURIOUS ECHOES ON RADAR. A SURVEY MAY 1959
BY PLANE, V G — DDC NR. 215470
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-59-212
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
U MAGNETIC DETERMINATION OF SPACE VEHICLE ATTITUDE MAR 1959 SECRET
BY MCCLAY J F — DDC NR. 305904
FOUGERE P F — CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-59-213
WISCONSIN, UNIVERSITY OF
STUDIES ON THE STRUCTURE OF TURBULENCE AUG 31 1958
BY BUSINGER, J A — DDC NR. 210492
SUOMI, V E — CONTRACT NR. AF 19(604)-1384
PANOFSKY, H A — PROJ/TASK NR. 7659-2

AFCRC-TR-59-215
MELPAR INC
STUDY AND EVALUATION OF TWO-HOUR OBJECTIVE TERMINAL FORECAST TECHNIQUES
BY JENKINS C F — DDC NR.
TWITCHELL F — CONTRACT NR. AF 19(604)-2450
PROJ/TASK NR.

AFCRC-TR-59-216
MICHIGAN UNIVERSITY OF
THE EXOS SOUNDING ROCKET DEC 1958
BY HANSEN W H — DDC NR. 210617
FISCHBACH F F — CONTRACT NR. AF 19(604)-1943
PROJ/TASK NR. 7659-7

AFCRC-TR-59-217
ARTHUR D LITTLE INC
MEASUREMENT OF THE UPPER-ATMOSPHERE DENSITY FEB 2 1959
BY — DDC NR. 210618
CONTRACT NR. AF 19(604)-4127
PROJ/TASK NR.

AFCRC-TR-59-219
STANFORD RESEARCH INSTITUTE
IMPACT OF HIGH SPEED PARTICLES WITH SOLIDS AND GASES DEC 15 1958
BY KELLS M C — DDC NR. 210935
KEOUGH D D — CONTRACT NR. AF 19(604)-1892
PROJ/TASK NR. 7667-1-2

AFCRC-TR-59-220
MINERAL INDUSTRIES EXPERIMENT STATION
STUDY OF FORECASTING LOW-LEVEL WIND GRADIENTS JAN 15 1959
BY BLACKADAR A K — DDC NR. 211358
CONTRACT NR. AF 19(604)-2059
PROJ/TASK NR. 7618

AFCRC-TR-59-222
TEXAS A & M COLLEGE OF
WIND FIELD NEAR THE TROPOPAUSE DEC 1958
BY SAUCIER W J — DDC NR. 211496
BRUNDIDGE K C — CONTRACT NR. AF 19(604)-1565
CUNNINGHAM N W — PROJ/TASK NR. 7623-2
DUGSTAD I
GOLDMAN J L
SANFORD T E
SASKI Y

AFCRC-TR-59-223
HAWAII, UNIVERSITY OF
ABSORPTION AND PHOTOIONIZATION OF ATMOSPHERIC GASES 1959
BY WATANBE K. — DDC NR.
CONTRACT NR. AF 19(604)-1390
PROJ/TASK NR. 7635-3

AFCRC-TR-59-224
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
STATISTICAL FORECASTING PROJECT JAN 1959
BY LORENZ E N — DDC NR. 211603
CONTRACT NR. AF 19(604)-1566
PROJ/TASK NR. 7609-1

AFCRC-TR-59-226
BOSTON COLLEGE
STUDY OF MIDDLE LATITUDE MAGNETIC ACTIVITY OCT 1958
BY LINEHAN D S J — DDC NR. 212266
CONTRACT NR. AF 19(604)-1927
PROJ/TASK NR. 7601-2

AFCRC-TR-59-227
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SYNOPTIC APPLICATION OF DYNAMICAL CONCEPTS FEB 28 1959
BY SANDERS F — DDC NR. 212267
CONTRACT NR. AF 19(604)-1305
PROJ/TASK NR. 7612-5

AFCRC-TR-59-2281
ALLIED RESEARCH ASSOCIATES, INC.
A TEST OF THE FEASIBILITY OF THE USE OF JET ENGINE EXHAUST HEAT FOR FOG DISSIPATION. PART 1 MAR 31 1959
BY SMITH, R B — DDC NR. 212553(1)
WEXLER, R — CONTRACT NR. AF 19(604)-3492
PROJ/TASK NR.

AFCRC-TR-59-2282
ALLIED RESEARCH ASSOCIATES, INC.
MODIFICATION OF FOG AND CLOUD PARTICLES IN THE ATMOSPHERE PART 2 MARCH 31 1959
BY SMITH, R B — DDC NR. 212553(2)
WEXLER, R — CONTRACT NR. AF 19(604)-3492
GLASER, A H — PROJ/TASK NR.

AFCRC-TR-59-2201
ALLIED RESEARCH ASSOCIATES, INC.
RESEARCH DIRECTED TOWARD CONTRAIL ELIMINATION. PART 3 MAR 20 1959
BY DOUCHER, R J — DDC NR. 212993<3>
WEBLER, R — CONTRACT NR. AF 19<604>-5492
PROJ/TASK NR.

AFCRC-TR-59-250
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> FINDOUT TRAIL PHYSICS SECRET JULY 59
BY CURTIS, H D — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7630-8

AFCRC-TR-59-251
[illegible] CORPORATION RESEARCH CENTER
REMOTE ELECTRONIC ALPHANUMERIC DISPLAY FEB 20 1959
BY BARNES P J — DDC NR. 215237
LAWRENCE JR J D — CONTRACT NR. AF 19<604>-5070
DEAN R E — PROJ/TASK NR.
HOWARD J N

AFCRC-TR-59-2521
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
SCIENTIFIC STUDIES AT FLETCHER-S ICE ISLAND, T-3, 1952-1959 VOLUME I SEP 59
BY BUSHNELL, V — DDC NR. 216815
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-59-252 1
CAMBRIDGE RESEARCH LABORATORIES <IN HOUSE>
SCIENTIFIC STUDIES AT FLETCHER-S ICE ISLAND, T-3, 1952-1959 VOLUME III APR 60
BY BUSHNELL, V — DDC NR. 216815
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-59-253
OHLO, UNIVERSITY OF
RESEARCHES IN THE FIELD OF SOLAR RADIO NOISE. SUNSPOTS, PROMINENCES AND FLARES JAN 21 59
BY — DDC NR.
CONTRACT NR. AF 61<514>-1122
PROJ/TASK NR. 7640-2

AFCRC-TR-59-254
JOHANNES GUTENBERG-UNIVERSITAT
ON THE HEAT BALANCE OF THE TROPOSPHERE JAN 1959
BY KASTEN F — DDC NR. 213623
GORD G — CONTRACT NR. AF 61<052>-10
MARIER G — PROJ/TASK NR.
MOLLER F

AFCRC-TR-59-255
PROVIDENCE COLLEGE
PROBLEMS OF A DYNAMICAL THEORY IN STATISTICAL PHYSICS
BY DOGOLIU-GOV TR — DDC NR. 213317
GORA E E — CONTRACT NR. AF 19<604>-2216
PROJ/TASK NR. 7674

AFCRC-TR-59-256
CODE RESEARCH LABORATORIES
U 80 56 MODIFICATION AND INSTRUMENTATION PROGRAM - PHASE III FEB 11 1959 SECRET
BY HAGELIN W W — DDC NR. 306963
LORENZ L S — CONTRACT NR. AF 19<604>-2295
FREDETTE R O — PROJ/TASK NR.
JONES F A

AFCRC-TR-59-257
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
DESIGN AND DEVELOPMENT OF AN ELECTRON SOURCE WITH SELECTION BEFORE SCATTERING FEB 1959
BY LASSETTRE E N — DDC NR. 214416
SIEGFRIED A — CONTRACT NR. AF 19<604>-3078
PROJ/TASK NR. 7639-3

AFCRC-TR-59-258
MICHIGAN, UNIVERSITY OF
<U> COLLECTION OF SEISMIC AND ACOUSTIC SIGNALS SECRET SEP 1959
BY WILLIS, D F — DDC NR. 306960
CONTRACT NR. AF 19<604>-1408
PROJ/TASK NR. 7639-1

AFCRC-TR-59-261
MANCHESTER UNIVERSITY OF
METEOR TRAIL MEASUREMENTS BY RADIO ECHO DETECTION MEANS MAY 1 1958 OCT 31 1958
BY — DDC NR. 215377
CONTRACT NR. AF 61<514>-948
PROJ/TASK NR.

AFCRC-TR-59-262
DURHAM UNIVERSITY OF
MEASUREMENT OF SPACE CHARGE IN THE LOWER ATMOSPHERE NOV 1958
BY CHALMERS J A — DDC NR. 214593
SMEDDY M — CONTRACT NR. AF 61<514>-891
PROJ/TASK NR. 7630

AFCRC-TR-59-263
MINNESOTA, UNIVERSITY OF
WIND AND WIND STRUCTURE AT 100, 000 FEET FROM CONSTANT ALTITUDE BALLOON TRAJECTORIES APR 59
BY MARTIN, W F — DDC NR. 214596
CONTRACT NR. AF 19<604>-2207
PROJ/TASK NR. 7691

AFCRC-TR-59-264
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
THEORETICAL ANALYSIS OF THE PAR-SCOPE AN OSCILLOSCOPE DISPLAY FOR WEATHER RADARS JULY 1959
BY KESSLER, III E — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-59-264
MCGILL UNIVERSITY
THE STUDY OF THE KINETICS OF NEUTRAL AND IONIZED ATMOSPHERIC GASES SEP 1958
BY SCHIFF, H I — DDC NR. 215275
CONTRACT NR. AF 19<604>-1408
PROJ/TASK NR.

AFCRC-TR-59-266
HARVARD UNIVERSITY
CLOUD PATTERNS AND RELATED AIR MOTIONS DERIVED BY PHOTOGRAPHY JUNE 1959
BY CONWAY, J H — DDC NR. 219496
CONTRACT NR. AF 19<604>-1989
PROJ/TASK NR. 7610-1759

AFCRC-TR-59-267
NEW YORK UNIVERSITY
PROBABILISTIC DYNAMICS APR 30 1959
BY WOODBURY, M A — DDC NR. 216319
CONTRACT NR. AF 19<604>-3490
PROJ/TASK NR.

AFCRC-TR-59-269
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
<U> MILITARY AIR OPERATIONS AND SUPPORTING AIR WEATHER SERVICE FUNCTIONS, JUNE 1, 1959, SECRET
BY [illegible], Jr., F. M. — DDC NR.
MARX, M. P. — CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-59-270
MELPAR INCORPORATED
SYNOPTIC CLIMATOLOGY OF METEOROLOGICAL PARAMETERS MAY 15 1959
BY PELLOWS G F — DDC NR. 217061
CONTRACT NR. AF 19<604>-4080
PROJ/TASK NR.

AFCRC-TR-59-274
PASTORE AIR LINES, INC.
FURTHER STUDIES IN THE DEVELOPMENT OF SHORT-RANGE WEATHER PREDICTION TECHNIQUES JUNE 1959
BY GEORGE, J J — DDC NR.
CONTRACT NR. AF 19<604>-2073
PROJ/TASK NR. 7612-2

AFCRC-TR-59-275
MOTOROLA, INC.
MEASUREMENT OF ATMOSPHERIC TRANSMISSION USING BACKSCATTER FROM A PULSED LIGHT SEPARATED SYSTEM, PT 1 JUNE 1959
BY HORMAN, M M — DDC NR. 217614
CONTRACT NR. AF 19<604>-2211
PROJ/TASK NR. 7694-1

AFCRC-TR-59-276
MOTOROLA, INC.
A LOGARITHMIC PULSE AMPLIFIER, PART 2 JUNE 1959
BY NOLAN, W J — DDC NR. 217615
CONTRACT NR. AF 19<604>-2213
PROJ/TASK NR. 7694-1

AFCRL-TR-59-257
CARNEGIE INSTITUTE OF TECHNOLOGY
STUDIES RELATING TO CONDENSATION TRAILS JULY 59
BY — DDC NR.
CONTRACT NR. AF 19<604>-1944
PROJ/TASK NR. 7699

AFCRC-TR-59-278
SCHJELDAHL COMPANY
SUPERPRESSURE BALLOONS JUNE 30 1959
BY SLATER, R J — DDC NR. 217829
CONTRACT NR. AF 19<604>-3901
PROJ/TASK NR.

AFCRC-TR-59-280
NEW YORK UNIVERSITY
CLEAR AIR TURBULENCE JUNE 1959
BY CLOSMAN, J — DDC NR.
BALL, J T — CONTRACT NR. AF 19<604>-3068
PROJ/TASK NR.

AFCRC-TR-59-281
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> THE ROLE OF RADIATION IN SHOCK PROPAGATION WITH APPLICATIONS TO ALTITUTE AND YIELD SCALING OF NUCLEAR FIREBALLS SECRET RESTRICTED DATA SEP 59
BY SFR, H G — DDC NR.
GUESS, A W — CONTRACT NR.

AFCRC-TR-59-282
AMERICAN RADIO RELAY LEAGUE, INC.
A STUDY OF TRANSEQUATORIAL SCATTER PROPAGATION 1959
BY — DDC NR.
CONTRACT NR. AF 19<604>-2171
PROJ/TASK NR. 7669-6

AFCRC-TR-59-283
MICHIGAN, UNIVERSITY OF
A SIMPLIFIED FALLING-SPHERE METHOD FOR UPPER-AIR DENSITY, PART II, DENSITY AND TEMPERATURE RESULTS FROM EIGHT FLIGHTS MAY 1959
BY PETERSON, J W — DDC NR.
SCHULTE, H F — CONTRACT NR. AF 19<604>-999
SCHAEFER, F J — PROJ/TASK NR. 6690

AFCRC-TR-59-284
CHICAGO UNIVERSITY OF
ATMOSPHERIC TRANSMISSION IN THE INFRARED DURING SEVERE WEATHER CONDITIONS MAY 1959
BY BARRICK S W — DDC NR.
ZITTER R N — CONTRACT NR. AF 19<604>-3909
WILLIAMS D R — PROJ/TASK NR.

AFCRC-TR-59-269
HERMES ELECTRONICS CO.
ENGINEERING DESIGN FOR WEATHER DATA HANDLING SUBSYSTEM
633L, JULY 31, 1959.
AV RAFO, J. DDC NO.
DETURE, J. F. CONTRACT NO. AF 19(604)-6159
ELEAN, J. PROJ/TASK NO. 6650
WORTHNOLDS, J. P.

AFCRC-TR-59-266
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE METEOROLOGICAL MEASURMENTS AND FIELD PROGRAM OF
PROJECT JET STREAM FROM 1956 TO 1958 OCT 59
BYDLICH R. W. DDC NO.
RADOS R. W. CONTRACT NO.
PROJ/TASK NO. 8626

AFCRC-TR-59-268
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
GLOBAL FALLOUT AND ITS VARIABILITY OCT 59
AV MARTELL, E A DDC NO.
CONTRACT NO.
PROJ/TASK NO.

AFCRC-TR-59-269
TELE-DYNAMICS, INC.
REPORT OF TELEVELOPAR DESIGN STUDY AUG 1959
BY DDC NO.
CONTRACT NO. AF 19(604)-6077
PROJ/TASK NO.

AFCRC-TR-59-270
WISCONSIN, UNIVERSITY OF
SUMMARY DATA TABULATION OF 300 MB FLOW CHARACTERISTICS FOR
THE NORTHERN HEMISPHERE, PART II SEP 59
AV LAMEY, J F DDC NO.
BRYSON, R A CONTRACT NO. AF 19(604)-2278
CORZINE, H A PROJ/TASK NO.
MUTCHINS, C W
LATHBURY, A

AFCRC-TR-59-2701
WISCONSIN, UNIVERSITY OF
ATLAS OF 300 MB WIND CHARACTERISTICS FOR THE NORTHERN
HEMISPHERE 1960
AV LAMEY, J F. DDC NO.
BRYSON, R A. CONTRACT NO. AF 19(604)-2278
CORZINE H A. PROJ/TASK NO. 7676-3
MUTCHINS C W.

AFCRC-TR-59-271
TRAVELERS WEATHER RESEARCH CENTER
MULTIVARIATE STATISTICAL ANALYSIS OF ATMOSPHERIC PROCESSES
AUG 1 1959
AV SHORR, B DDC NO.
CONTRACT NO. AF 19(604)-3877
PROJ/TASK NO.

AFCRC-TR-59-273
PERKIN-ELMER CORPORATION
<U> IR SPECTROMETRIC MEASUREMENTS OF MISSILE PLUMES
SPCRPT JULY 22 59
AV MILLER, T. W. DDC NO.
BORDEN J. L. CONTRACT NO. AF 19(604)-2697
PAHY T P. PROJ/TASK NO.

AFCRC-TR-59-274
DANISH NATIONAL COMMITTEE OF U.R.S.I.
RESEARCH ON RELATIONSHIPS BETWEEN NATURAL ATMOSPHERIC RADIO
PHENOMENA AND GEOMAGNETIC FIELD JULY 1 59
AV RYBNER, J DDC NO.
UNGSTRUP, E CONTRACT NO. AF 61(514)-1109
PROJ/TASK NO.

AFCRC-TR-59-276
SYSTEMS LABORATORIES CORPORATION
THE GEODETIC USE OF ARTIFICIAL EARTH SATELLITES, PART I
AUG 19 59
BY DDC NO.
CONTRACT NO. AF 19(604)-5917
PROJ/TASK NO.

AFCRC-TR-59-276
SYSTEMS LABORATORIES CORPORATION
THE GEODETIC USE OF ARTIFICIAL EARTH SATELLITES, PART II
AUG 19 59
BY DDC NO.
CONTRACT NO. AF 19(604)-5917
PROJ/TASK NO.

AFCRC-TR-59-278
CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
HYDRODYNAMIC MODEL OF DIFFUSION EFFECTS ON SHOCK
STRUCTURE IN A PLASMA DEC 59
BYERNBERG, P. W. DDC NO.
SPR M. E. CONTRACT NO.
TREVE Y. M. PROJ/TASK NO. 8667

AFCRC-TR-59-280
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
REQUIREMENTS IN UTILIZATION OF CONTOUR CHARTS FOR
CLIMATICALLY SPECIFIED WIND PROFILES OCT 59
AV COLP, A F DDC NO.
CONTRACT NO.
PROJ/TASK NO. 8626

AFCRC-TR-59-281
GEORGIA INSTITUTE OF TECHNOLOGY
A STUDY OF THE SOLUBILITY AND RATE OF SOLUTION OF FINE
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(U) PROJECT ARGUS RADIO REFLECTION AND ATTENUATION PHENOMENA APRIL 1960, SECRET RD
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BATTELLE MEMORIAL INSTITUTE
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O-NEILL, F

AFCRC-TR-60-143
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<U> RESEARCH DIRECTED TOWARD SOLUTION OF FUNDAMENTAL RADAR AND ELECTRONIC SCANNING PROBLEMS, JANUARY 31, 1960, CONFIDENTIAL
BY — DDC NR., CONTRACT NR., AF 19(604)-3668, PROJ/TASK NR., 4506-66912, PROJ/TASK NR., 4580-66913

AFCRC-TR-60-144
SYLVANIA RESEARCH LABORATORIES
STUDY OF THE PROPERTIES OF ULTRAPURE NICKEL JAN 1960
BY MOSS, G W — DDC NR., CONTRACT NR., AF 19(604)-5213, PROJ/TASK NR., 4148
CASTLEMAN, L

AFCRC-TR-60-145
OHIO STATE UNIVERSITY
PARAMETRIC AMPLIFICATION MAY 1960
BY THURSTON, M O — DDC NR., CONTRACT NR., AF 19(604)-6040, PROJ/TASK NR., 5621

AFCRC-TR-60-146
CHU ASSOCIATES
<U> MULTIPLE-BEAM INTERVAL SCANNING ANTENNA FEASIBILITY AND DEVELOPMENT STUDY MAY 1960 CONFIDENTIAL
BY HATCHER, R B — DDC NR., CONTRACT NR., AF 19(604)-5202, PROJ/TASK NR., 4761

AFCRC-TR-60-147
WESTINGHOUSE RESEARCH LABORATORIES
MAGNETO-OPTICAL EFFECTS IN FERRIMAGNETIC OXIDES, PERIOD COVERING MARCH 19, 1959 TO MARCH 19, 1960,
BY BAILEY, D. L. — DDC NR., CONTRACT NR., AF 19(604)-5529, PROJ/TASK NR., 4156-66210
GOLDMAN, A.

AFCRC-TR-60-148
GENERAL TELEPHONE & ELECTRIC LABORATORIES, INC
STUDY OF NONLINEAR EFFECTS ON SEMICONDUCTIVE MATERIALS MAR 1960
BY CORWELL, E — DDC NR., CONTRACT NR., AF 19(604)-5716, PROJ/TASK NR., 4156
FOWLER, W

AFCRC-TR-60-149
ITT LABORATORIES
STUDY OF THE INFLUENCE OF ATMOSPHERE AND ANNEALING ON CRYSTAL GROWTH PERFORMED WITH ELECTRICALLY SUSTAINED HEAT SOURCE JULY 1960
BY MARINO JR., A J — DDC NR., CONTRACT NR., AF 19(604)-2261, PROJ/TASK NR., 5620
HARRIES, W L

AFCRC-TR-60-150
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
STATUS REPORT ELECTRONIC MATERIAL SCIENCES LAB JUNE 1960
BY — DDC NR., CONTRACT NR., PROJ/TASK NR.

AFCRC-TR-60-151
RAYTHEON CO
INVESTIGATION ON CERAMIC SEALS FOR ELECTRON TUBES APR 1960
BY RING, A H — DDC NR., CONTRACT NR., AF 19(604)-5706, PROJ/TASK NR., 4154

AFCRC-TR-60-153
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF RHENIUM FOR ELECTRON-TUBE APPLICATIONS MAR 1960
BY HAYEUTH, D J — DDC NR., CONTRACT NR., AF 19(604)-1741, PROJ/TASK NR., 4154
GAINES, G R

AFCRC-TR-60-154
MELLON INSTITUTE
HIGH TEMPERATURE PRINTED CIRCUITRY, COMPUTER COMPONENTS FELLOWSHIP NO. 961 1960
BY WILKINS, C H T — DDC NR., CONTRACT NR., AF 19(604)-1959, PROJ/TASK NR., 4154
OWEN, C J

AFCRC-TR-60-155
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
CIRCUIT APPLICATIONS FOR NEGATIVE RESISTANCE SEMICONDUCTOR DEVICES, APRIL 1960,
BY RICCI, R C — DDC NR., 259860, CONTRACT NR., PROJ/TASK NR., 4154-66210

AFCRC-TR-60-156
REMINGTON RAND UNIVAC
MINIMIZATION OF BOOLEAN FUNCTIONS APR 1960
BY — DDC NR., CONTRACT NR., AF 19(604)-5228, PROJ/TASK NR., 5632

AFCRC-TR-60-157
GENERAL TELEPHONE & ELECTRIC LABORATORIES, INC
INFRARED SCATTERING STUDY APR 1960
BY SCHMUTTER, G W — DDC NR., CONTRACT NR., AF 19(604)-5682, PROJ/TASK NR.,

AFCRC-TR-60-158
LOCKHEED AIRCRAFT CORPORATION
<U> STUDY OF BALLISTIC-MISSILE SORTING BASED ON RADAR CROSS-SECTION DATA SECRET MAY 1960
BY HUYNEN, J R — DDC NR., CONTRACT NR., AF 19(604)-5990, PROJ/TASK NR., 4761
RIEDEL, A F

AFCRC-TR-60-199
AEROSPACE
<U> STUDY OF METHODS OF SIMULATING PLASMAS IN SPACE MAY
MAY 1960 SECRET
BY MUNICK, R J
DDC NR.
CONTRACT NR. AF 19(604)-5406
PROJ/TASK NR. 4610

AFCRC-TR-60-[illegible]
REMINGTON RAND UNIVAC
COMPUTER-DEVICE APPLICATIONS OF THIN FERROMAGNETIC FILMS
MAY 1960
BY
DDC NR.
CONTRACT NR. AF 19(604)-5506
PROJ/TASK NR. 4608

AFCRC-TR-60-161
POLYTECHNIC INSTITUTE OF BROOKLYN
THEORETICAL AND EXPLORATORY EXPERIMENTAL RESEARCH IN
ELECTROMAGNETICS NETWORKS AND RELATED SOLID STATE, AND
PLASMA TOPICS
BY
DDC NR.
CONTRACT NR. AF 19(604)-4161
PROJ/TASK NR. 5630-56300

AFCRC-TR-60-163
SPERRY GYROSCOPE CO
BEAM-GENERATED BEAM-PLASMA SYSTEM MAY 1960
BY WANG, C C
DDC NR.
CONTRACT NR. AF 19(604)-5555
PROJ/TASK NR. 4761

AFCRC-TR-60-164
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> PRODUCTION OF EXOSPHERIC DIPOLE CLOUDS, SEPTEMBER 1960
CONFIDENTIAL
BY VILBIG, F
DDC NR. 260999
CONTRACT NR.
PROJ/TASK NR. 4610

AFCRC-TR-60-165
GENERAL BRONZE CORPORATION
RESEARCH ON LOW SIGNAL/FF PHOTOFET ARRAYS JUNE 1, 1960.
BY BOGART, B. F. DDC NR. 260993
RHODES, R. A. CONTRACT NR. AF 19(604)-4710
PROJ/TASK NR. 4600-46099

AFCRC-TR-60-167
PHILCO CORP
RESEARCH ON HIGH-TEMPERATURE SWITCHING DEVICES JUNE 1960
BY ZIMMERMAN, F DDC NR. 260833
CONTRACT NR. AF 19(604)-5719
PROJ/TASK NR. 4609

AFCRC-TR-60-179
APLABS
RESEARCH AND DEVELOPMENT OF SOLID STATE PARAMAGNETIC MASER
JUNE 1960
BY ROBERTS, R W DDC NR.
CONTRACT NR. AF 19(604)-4071
PROJ/TASK NR. 4196

AFCRC-TR-60-176
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ATMOSPHERIC PHENOMENA NOTED IN SIMULTANEOUS OBSERVATIONS OF
1958 2 <SPUTNIK III> AUG 1960
BY ROGER, R S DDC NR.
THOMSON, J CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-60-179
AMERICAN SCIENTIFIC & ENGINEERING, INC
<U> AIRBORNE GAMMA-RAY MEASUREMENTS JULY 1960 SECRET RD
BY CARPENTER, J W DDC NR.
CLARK, G W CONTRACT NR. AF 19(604)-6197
PROJ/TASK NR.

AFCRC-TR-60-177
HUGHES AIRCRAFT COMPANY
<U> RESOLUTION OF COMPLEX RADAR RETURNS FROM DISTRIBUTED
TARGETS APR 1960 CONFIDENTIAL
BY WILCOX, C H DDC NR.
CONTRACT NR. AF 19 <604>-5725
PROJ/TASK NR. 4506

AFCRC-TR-60-186
CENTRO DI STUDIO PER LA FISICA D-MICROONDE, ITALY
DESIGN, DEVELOPMENT AND TEST OF AN ADVANCED FIXED
POSITION RADIO ASTRONOMY ANTENNA APR 1960
BY CHECCACCI, P F DDC NR.
RONCHI, L CONTRACT NR. AF 61<052>-236
PROJ/TASK NR. 5631

AFCRC-TR-60-191
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
RADIO DISTANCE MEASUREMENT AND POSITION FIXING A SURVEY AND
EVALUATION OF TECHNIQUES AND SYSTEMS.
BY DDC NR. 259111
CONTRACT NR.
PROJ/TASK NR. 4609

AFCRC-TR-60-201
TECHNICAL OPERATIONS, INC.
EXPERIMENTAL STUDY OF SCATTERING IN REAL ATMOSPHERES,
DECEMBER 30, 1959.
BY ELDRIDGE R G. DDC NR.
JOHNSON, J C. CONTRACT NR. AF 19(604)-2175
PROJ/TASK NR. 7641

AFCRC-TR-60-203
WARNER & SWASEY COMPANY
INFRARED SPECTRAL EMISSIVITIES AND INTERNAL ENERGY
DISTRIBUTIONS OF CARBON DIOXIDE AND WATER VAPOR AT HIGH
TEMPERATURES DEC 59
BY FOURIE P M. DDC NR.
HENRY P M. CONTRACT NR. AF 19(604)-2229
PROJ/TASK NR. 7670-2

AFCRC-TR-60-204
GENERAL [illegible], INCORPORATED
BALLOON BARRIER MATERIALS NOV 30 59
BY ANDERSON, JR., A. A. DDC NR.
MORPITT G. L. CONTRACT NR. AF 19(604)-5070
PROJ/TASK NR. 6[illegible]76

AFCRC-TR-60-209
[illegible]
FIELD AND LABORATORY INVESTIGATIONS OF LAKE, SNOW AND
GLACIAL ICE, JANUARY 1, 1960.
BY LYONS, J. B. DDC NR. 269659
CONTRACT NR. AF 19(604)-2199
PROJ/TASK NR. 7620

AFCRC-TR-60-206
NEW YORK UNIVERSITY
DYNAMICS OF THE IONOSPHERE DEC 59
BY LONDON J DDC NR.
MAURETZ B CONTRACT NR. AF 19(604)-1798
ODYAMA R PROJ/TASK NR. 7691-1

AFCRC-TR-60-209
MICHIGAN, UNIVERSITY OF
TASK I THE BODY OF ATMOSPHERIC TURBULENCE IN THE
AGGLOMERATION OF CLOUD PARTICLES. TASK 2 WEATHER RADAR
OBSERVATIONS UNDER PROJECT MI CUE AT FLAGSTAFF, ARIZONA.
DURING JULY AND AUGUST 1959 DEC 59
BY BIRKOF A. M DDC NR.
FLOOD P C CONTRACT NR. AF 19(604)-2176
PROJ/TASK NR. 7641-1

AFCRC-TR-60-210
YALE UNIVERSITY
A VERY LOW FREQUENCY RADIO EXPERIMENT FOR SATELLITE AND
SPACE TRANSPORTATION JAN 60
BY DOUGLAS, J N DDC NR.
MACGUFFIN, G R CONTRACT NR. AF 19(604)-3049
KELLEY, A F PROJ/TASK NR.

AFCRC-TR-60-211
WEIZMANN INSTITUTE OF SCIENCE(ISRAEL)
RESEARCH ON THE INTERACTION OF VERY HIGH ENERGY COSMIC
RAY PARTICLES AND 1 60 - NOV 30 59
BY DDC NR.
CONTRACT NR. AF 61(052)-98
PROJ/TASK NR.

AFCRC-TR-60-216
COLORADO, UNIVERSITY OF
SOLAR ULTRAVIOLET RESEARCH JAN 1 57 - DEC 31 59
BY PURSE W A. DDC NR.
CONTRACT NR. AF 19(604)-2101
PROJ/TASK NR. 7639-5

AFCRC-TR-60-215
NEW YORK UNIVERSITY
STUDIES OF THE PROPERTIES OF THE WIND AND TEMPERATURE
FIELDS OF THE UPPER TROPOSPHERE AND LOWER STRATOSPHERE
JAN 51 60
BY CHIU WAN-CHANG DDC NR.
CONTRACT NR. AF 19(604)-1795
PROJ/TASK NR. 7649-1

AFCRC-TR-60-218
MICHIGAN, UNIVERSITY OF
ANALYSIS OF A FALLING SPHERE EXPERIMENT FOR MEASUREMENT OF
UPPER-ATMOSPHERE DENSITY AND WIND VELOCITY APR 60
BY OTTERMAN, J DDC NR.
SATTINGER, I J CONTRACT NR. AF 19(604)-5209
SMITH, D F PROJ/TASK NR.

AFCRC-TR-60-219
STANFORD RESEARCH INSTITUTE
<U> A STRATEGIC EVALUATION OF ARCTIC EARTH SCIENCES
RESEARCH SECRET MAR 60
BY DEAFFY, W G. DDC NR.
DUCHANAN W W. CONTRACT NR. AF 19(604)-5566
WARNSTEIN L PROJ/TASK NR.

AFCRC-TR-60-220
CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A NUMERICAL MODEL FOR THE PREDICTION OF HURRICANE
FORMATION MAR 60
BY APPLEMEYER, L DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRC-TR-60-221
AEROSPACE
THEORETICAL STUDY OF HIGH TEMPERATURE EMISSIVITIES AND
ATMOSPHERIC TRANSMISSION JAN 30 60
BY PLASS G N. DDC NR.
STULL V. R CONTRACT NR. AF 19(604)-2166
PROJ/TASK NR.

AFCRC-TR-60-222
OHIO STATE UNIVERSITY
STUDY OF THE MECHANISM OF THERMOCHEMIC REACTIONS
PHOTOSENSITIZED ON SOLID SURFACES DEC 59
BY CALVERT J G. DDC NR.
CONTRACT NR. AF 19(604)-6069
PROJ/TASK NR.

AFCRC-TR-60-223
STANFORD RESEARCH INSTITUTE
PHOTOCHEMISTRY IN THE SOLAR FURNACE DEC 20 59
BY MARCUS, R J DDC NR.
HOWLERS, H C CONTRACT NR. AF 19(604)-5677
PROJ/TASK NR.

AFCRC-TR-60-229
TEXAS, UNIVERSITY OF
FORECASTING MICROMETEOROLOGICAL VARIABLES, FINAL REPORT,
DECEMBER 1959.
BY FRANCESCHINI, G. A. DDC NR.
CONTRACT NR. AF 19(604)-2250
PROJ/TASK NR. 7618-76180

AFCRC-TR-60-224
ROCKETDYNE
<U> INFRARED SPECTRAL RADIANCE OF LARGE LIQUID
PROPELLANT ROCKET ENGINE EXHAUST PLUMES, APRIL 1960, SECRET
BY DEBELL A. G. DDC NR.
SPEISER, F. S. CONTRACT NR. AF 19<604>-3699
PROJ/TASK NR. 6683

[illegible]

DURHAM UNIVERSITY OF
RESEARCH ON THE ELECTRICITY OF RAIN, FINAL OCTOBER 1, 1956-
SEPTEMBER 30, 1959
BY CHALMERS, J A DDC NR. 263258
MAUND, J F CONTRACT NR. AF 61<514>-1072
RAMSAY, W W PROJ/TASK NR. 8620
MERRY, G
WILDMAN, P J L

AFCRC-TR-60-229
INTERNATIONAL INSTITUTE OF METEOROLOGY (SWEDEN)
RESEARCH ON STRATOSPHERIC METEOROLOGY, DECEMBER 31, 1959.
BY DEFANT, F DDC NR.
CONTRACT NR. AF 61<514>-984
PROJ/TASK NR. 7699

AFCRC-TR-60-231
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
STUDIES OF THE ATMOSPHERIC GENERAL CIRCULATION III.
DECEMBER 1959.
BY STARR, V P DDC NR.
CONTRACT NR. AF 19<604>-2202
PROJ/TASK NR. 7652-76920

AFCRC-TR-60-232
CHICAGO, UNIVERSITY OF
STUDIES IN WEATHER ANALYSIS AND FORECASTING FEB 60
BY PETTERSSEN S DDC NR.
CONTRACT NR. AF 19<604>-2179
PROJ/TASK NR. 7612

AFCRC-TR-60-233
UTAH, UNIVERSITY OF
IMPROVEMENTS IN THE FALLING SPHERE INSTRUMENTATION FEB 10
60
BY HAYCOCK, C C DDC NR.
CONTRACT NR. AF 19<604>-6956
PROJ/TASK NR.

AFCRC-TR-60-234
NORTHEASTERN UNIVERSITY
RESEARCH DIRECTED TOWARD THE DEVELOPMENT OF PHOTO-OPTICAL,
ELECTRONIC, AND CALIBRATION APPARATUS MAR 31 60
BY BAILEY, A D. DDC NR.
BAIRD, H S. CONTRACT NR. AF 19<604>-1769
GROJEAN, R F. PROJ/TASK NR. 7639-9
HARDONE, L J.
SHERMAN R E.
WIREN J

AFCRC-TR-60-235
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EVALUATION OF VISUAL DISTANCE COMPUTER CP-106/[illegible]
APR 60
BY HERSHBERG, P I DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7696

AFCRC-TR-60-238
OHIO STATE UNIVERSITY
ASSEMBLY OF GRAVITY DATA, DECEMBER 1959.
BY HEISKANEN, W. A. DDC NR.
CONTRACT NR. AF 19<604>-1961
PROJ/TASK NR. 7600-76000

AFCRC-TR-60-239
TECHNICAL OPERATIONS, INCORPORATED
A RAINDROP SPECTROMETER MAR 11 60
BY JOHNSON, J C DDC NR.
BATTEN, JR., J P CONTRACT NR. AF 19<604>-6987
PROJ/TASK NR.

AFCRC-TR-60-2601
PENNSYLVANIA STATE UNIVERSITY
TROPOSPHERIC BEHAVIOR ASSOCIATED WITH THE ARCTIC
STRATOSPHERIC WARMING PHENOMENON, PART I, DECEMBER 1959.
BY JULIAN, P R. DDC NR.
CONTRACT NR. AF 19<604>-2190
PROJ/TASK NR. 7699

AFCRC-TR-60-26011
PENNSYLVANIA STATE UNIVERSITY
LARGE SCALE VERTICAL MOTION IN THE STRATOSPHERE, PART II,
DECEMBER 1959.
BY EPSTEIN, E S. DDC NR. 263697
CONTRACT NR. AF 19<604>-2190
PROJ/TASK NR. 7699

AFCRC-TR-60-26011I
PENNSYLVANIA STATE UNIVERSITY
MONTHLY MEAN 50 MB AND 100 MB CHARTS PRECEDING THE IGY,
PART III, AUGUST 1960.
BY PANOFSKY, H A. DDC NR. 265979
CONTRACT NR. AF 19<604>-2190
PROJ/TASK NR. 7699

AFCRC-TR-60-261
CALIFORNIA, UNIVERSITY OF
THEORETICAL AND LABORATORY STUDIES IN CHEMICAL AERONOMY,
APRIL 1960.
BY SCHADE, W J. DDC NR.
CONTRACT NR. AF 19<604>-2166
PROJ/TASK NR. 7669-76950

AFCRC-TR-60-262
ARMOUR RESEARCH FOUNDATION
<U> CONTRAIL VISIBILITY CONTROL CONFIDENTIAL FEB 60
BY LIEBERMAN, A DDC NR.
CONTRACT NR. AF 19<604>-1815
PROJ/TASK NR. 7699-9

AFCRC-TR-60-263
ALLIED RESEARCH ASSOCIATES, INC.
AN EVALUATION OF OZONESONDES FEB 29 60
BY HATCH, F F DDC NR.
STEVENS, JR., W CONTRACT NR. AF 19<604>-3691
PROJ/TASK NR.

AFCRC-TR-60-2641
WATERS ASSOCIATES
THE USE OF SELECTIVE DETECTORS FOR ATMOSPHERIC
MEASUREMENTS, APRIL 1960.
BY PRITCHARD, J. L. DDC NR.
CONTRACT NR. AF 19<604>-5464
PROJ/TASK NR. 6683

AFCRC-TR-60-26411
WATERS ASSOCIATES
ADAPTATION OF AN ELECTROLYTIC WATER VAPOR DETECTOR FOR
BALLOON MEASUREMENT OF WATER CONTENT OF THE ATMOSPHERE,
APRIL 1960.
BY WATERS, J. L. DDC NR.
CONTRACT NR. AF 19<604>-5464
PROJ/TASK NR. 6683

AFCRC-TR-60-267
MICHIGAN UNIVERSITY OF
FALLING-SPHERE INSTRUMENTATION DEVELOPMENT FEB 60
BY PETERSON, J W DDC NR.
ROBINSON, D A CONTRACT NR. AF 19<604>-2615
SCHULTZ, M F PROJ/TASK NR. 1786-19791

AFCRC-TR-60-269
HAWAII, UNIVERSITY OF
TROPICAL METEOROLOGY - RESEARCH AND TEACHING, MAY 1960.
BY BANAGE, C. S. DDC NR.
CONTRACT NR. AF 19<604>-1962
PROJ/TASK NR. 7614

AFCRC-TR-60-270
LITTLE, INC., ARTHUR D
<U> CHEMICAL RELEASE OF ELECTRONS, APRIL 30, 1960,
CONFIDENTIAL
BY GORDON, W. E. DDC NR.
CONTRACT NR. AF 19<604>-2290
PROJ/TASK NR. 6699

AFCRC-TR-60-272
TEXAS, A & M COLLEGE OF
DESIGN OF THE MOBILE MICROMETEOROLOGICAL STATIONS EMPLOYED
ON PROJECT GREEN GLOW, JANUARY 1960.
BY CLAYTON, W. H. DDC NR.
MERRYMAN, J. D. CONTRACT NR. AF 19<604>-6562
PROJ/TASK NR. 6251

AFCRC-TR-60-273
SMITHSONIAN INSTITUTE
STUDIES OF RATE OF ACCRETION OF INTERPLANETARY MATTER BY
THE EARTH APR 6 60
BY HODGE, P W DDC NR.
CONTRACT NR. AF 19<604>-1901
PROJ/TASK NR. 1786-19792

AFCRC-TR-60-276
TRAVELERS WEATHER RESEARCH CENTER
SELECTING VARIATES FOR MULTIPLE DISCRIMINATE ANALYSIS
WITH AN APPLICATION TO SHORT PERIOD FORECASTING OF
AIRFIELD CEILING CONDITIONS, JULY 1960.
BY MILLER, R. G. DDC NR. 263429
CONTRACT NR. AF 19<604>-1878
PROJ/TASK NR. 7676

AFCRC-TR-60-279
WASHINGTON STATE UNIVERSITY
THE INTERACTION OF ACTIVATED ATMOSPHERIC GASES WITH SOLID
SURFACES, DECEMBER 31, 1959.
BY BELLS, D G. DDC NR.
CONTRACT NR. AF 19<604>-1897
PROJ/TASK NR. 7639-76952

AFCRC-TR-60-296
OSLO, UNIVERSITY OF
STUDIES IN AURORAL SPECTROSCOPY, AND OF THE RAPID
FLUCTUATIONS IN THE GEOMAGNETIC FIELD DURING DISTURBANCES
JANUARY 15, 1960.
BY DDC NR. 257386
CONTRACT NR. AF 61<514>-1121
PROJ/TASK NR. 7661

AFCRC-TR-60-297
SASKATCHEWAN, UNIVERSITY OF
BASIC RESEARCH ON AURORA AND AIRGLOW, APRIL 30, 1960.
BY HUNTER D. M. DDC NR. 269957
JONES, A. V CONTRACT NR. AF 19<604>-1891
PROJ/TASK NR. 7661-76696

AFCRC-TR-60-298
RAND-WOOLDRIDGE
INFRARED BACKGROUND INVESTIGATION MAY 1 60
BY FISHER, R F DDC NR.
CONTRACT NR. AF 19<604>-3671
PROJ/TASK NR.

AFCRC-TR-60-299
BALL BROTHERS RESEARCH CORP.
THE DESIGN AND PERFORMANCE OF THE RENT OGIVE POINTING
CONTROL APRIL 1960.
BY BARTOF, O. F. DDC NR.
HATHAWAY, R. F. CONTRACT NR. AF 19<604>-2696
HULTQUIST P. F. PROJ/TASK NR. 7699
RFISBACK, W. A.

AFCRC-TR-60-301
NEW MEXICO STATE UNIVERSITY
SPLIT MISSILE ANTENNA, 600 MC COMMAND CONTROL NOTCH
ANTENNA, THE THREE ELEMENT SLOT ARRAY AND RENT-DIPOLE
ROSE PROBE, QUADRALOOP ANTENNA AT S-BAND, TELEMETRY AND
COMMAND CONTROL ANTENNAS, RADIO FREQUENCY BREAKDOWN
MEASUREMENTS ON QUADRALOOP ANTENNAS APR 18 60
BY DUNCAN, R H DDC NR.
WEINSCHEL, H O CONTRACT NR. AF 19<604>-2188
PROJ/TASK NR. 7699-8

AFCRC-TR-60-267
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
HYPSORETER FOR CONSTANT LEVEL BALLOON, JUNE 1960
BY WAGAR W C — DDC NR. 250583 — CONTRACT NR. — PROJ/TASK NR. 6669-66692

AFCRC-TR-60-269
MINNEAPOLIS-HONEYWELL REGULATOR CO.
A DESIGN STUDY FOR A MAGNETOMETER STABILIZATION SYSTEM, PHASE II, MARCH 7, 1960.
BY REIRNE, M J — DDC NR. 243281 — CONTRACT NR. AF 19<604>-9216 — PROJ/TASK NR. 7601

AFCRC-TR-60-286
CHICAGO, UNIVERSITY OF
CLOUD REFRACTIVE INDEX STUDIES, PART III, MAY 2, 1960.
BY HARRINGTON, E L — DDC NR. — CONTRACT NR. AF 19<604>-1951 — PROJ/TASK NR. 7661-76616

AFCRC-TR-60-287
BALL BROTHERS RESEARCH CORPORATION
SOLAR AZIMUTH POINTING PLATFORM, APRIL 27, 1960.
BY DOLDER, P. P. — DDC NR.
JOHNSON, D. S. — CONTRACT NR. AF 19<604>-5561 — PROJ/TASK NR. 6669

AFCRC-TR-60-289
CALIFORNIA UNIVERSITY OF
AN EXPERIMENTAL INVESTIGATION OF THE PROPAGATION OF ATMOSPHERICS WITH EMPHASIS ON EXTREMELY-LOW-FREQUENCIES, JUNE 1960.
BY SMITH E. J. — DDC NR. 243789
TEPLEY L. R. — CONTRACT NR. AF 19<604>-5466 — PROJ/TASK NR. 7630

AFCRC-TR-60-2721
OKLAHOMA STATE UNIVERSITY
ACOUSTIC DETECTION OF METEORIC PARTICLES.<VOL. I>
APRIL 14, 1960.
BY RUCE, R P. — DDC NR. — CONTRACT NR. AF 19<604>-1908 — PROJ/TASK NR. 1766-19792

AFCRC-TR-60-2721I
OKLAHOMA STATE UNIVERSITY
AN ANALYSIS OF ROCKET AND EARTH SATELLITE MEASUREMENTS OF MICROMETEORIC INFLUX, VOLUME II, APPENDIX B, APRIL 14, 1960.
BY MCCRACKEN, C W. — DDC NR. — CONTRACT NR. AF 19<604>-1908 — PROJ/TASK NR. 1766-19792

AFCRC-TR-60-275
BRANDEIS UNIVERSITY
ELECTRON SCREENING IN DENSE DEGENERATE GASES.
FINAL REPORT, MAY 30, 1960.
BY GOLDSTEIN, J. S. — DDC NR. 242360 — CONTRACT NR. AF 19<604>-5563 — PROJ/TASK NR. 8602

AFCRC-TR-60-276
BONN, UNIVERSITY OF
TECHNICAL FINAL REPORT, JULY 1957-APRIL 1960
BY GROTH, W F — DDC NR. 245665
SCHIEMHOLZ, H — CONTRACT NR. AF 61<514>-1079
VON WEYSSENHOFF, H — PROJ/TASK NR. 9051-7659
COMPS, F J
SCHLAG, F W
APFEFY, H D

AFCRC-TR-60-344
RENSSELAER POLYTECHNIC INSTITUTE
UTILIZATION OF ENERGY OF THE UPPER ATMOSPHERE.
APRIL 8, 1960.
BY HARTECK, P. — DDC NR.
REEVES, JR., R. B. — CONTRACT NR. AF 19<604>-2205
MANNELLA, G. G. — PROJ/TASK NR. 6696

AFCRC-TR-60-492
COLORADO UNIVERSITY OF
RADIAL POINTING CONTROL.
BY WILSHUSEN, P. — DDC NR. — CONTRACT NR. AF 19<604>-1726 — PROJ/TASK NR. 7659

AFCRL-TN-59-607
DUBLIN INSTITUTE FOR ADVANCED STUDIES
NEW CALIBRATION OF PHOTO-ELECTRIC NUCLEUS COUNTERS
REPRINTED FROM THE REVIEW GEOFISICA PURA E APPLICATA MILANO, V. 43, 1959/II, PP. 289-301
BY POLLAK, L W — DDC NR. — CONTRACT NR. AF 61<052>-26 — PROJ/TASK NR. 7690-76905

AFCRL-TN-59-671
GENERAL DYNAMICS
<U> ROCKET PLUME RADIANCE, VOLUME I, EXIT PLANE COMPOSITION AND TEMPERATURE, DECEMBER 30, 1959.
BY BEU, J T — DDC NR.
ROYNTON, F P — CONTRACT NR. AF 19 <604>-5554 — PROJ/TASK NR. 5063

AFCRL-TN-59-672
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ANALYSIS OF SAC WEATHER COMPUTER REQUIREMENTS, JUNE 1, 1959
BY DARLING, JR., F W — DDC NR.
HARE, H P — CONTRACT NR.
WOLF, W W — PROJ/TASK NR. 6334
JENNEY, R F

AFCRL-TN-60-112
POLYTECHNIC INSTITUTE OF BROOKLYN
ON THE FACTORIZATION OF RATIONAL MATRICES.
SEPTEMBER 1960.
BY YOULA, D. C. — DDC NR. 247766 — CONTRACT NR. AF 19<604>-6134 — PROJ/TASK NR. 8639

AFCRL-TN-60-174
CORNELL UNIVERSITY
COMMENTS ON THE PROBLEM OF INCOHERENT SCATTERING IS DEC 1959
BY LAASPERE, T — DDC NR. — CONTRACT NR. AF 19<604>-6158 — PROJ/TASK NR. 4781

AFCRL-TN-60-195
OHIO STATE UNIVERSITY
[illegible]
INFRARED SPECTRA, OCT 1960
BY PATTY, R R — DDC NR. 240076
WILLIAMS, D — CONTRACT NR. AF 19<604>-6141 — PROJ/TASK NR. 7670-76703

AFCRL-TN-60-240
CHICAGO, UNIVERSITY OF
DENSITY OF THE LUNAR ATMOSPHERE.
REPRINTED FROM SCIENCE, MAY 27, 1960, VOL. 131, NO. 3413, 1606, 1671
BY BRANDT, J. C. — DDC NR. 249962 — CONTRACT NR. AF 19<604>-5044 — PROJ/TASK NR. 7661

AFCRL-TN-60-288
OSLO, UNIVERSITY OF
STUDIES OF THE EXCITATION OF AURORA BOREALIS II. THE FORBIDDEN OXYGEN LINES
GEOFYSISKE PUBLIKASJONER GEOPHYSICA NORVEGICA 21 1-38 1959
BY OMHOLT, A — DDC NR. 257040 — CONTRACT NR. AF 61<514>-1129 — PROJ/TASK NR. 7661

AFCRL-TN-60-559
CORNELL UNIVERSITY
SCIENTIFIC EXPERIMENTS FOR THE ARECIBO RADIO OBSERVATORY
31 MAR 1960
BY BOOKER, H G — DDC NR. — CONTRACT NR. AF 19<604>-6158 — PROJ/TASK NR. 4781
COMER, R H
COX, J P
GOLD, T
GORDON, W E
LALONDE, L W
NICHOLS, R
RIDER, JR., F L
SALPETER, E E

AFCRL-TN-60-603
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
THERMAL RADIATION MEASUREMENTS FORM AN AEROBEE-HI RESEARCH ROCKET, DECEMBER 1960.
BY HUNTER, R. E. — DDC NR. 255663 — CONTRACT NR. — PROJ/TASK NR. 4991-69919
WALEFF, R. G.

AFCRL-TN-60-615
MCGILL UNIVERSITY
THE ALEUTIAN STRATOSPHERIC ANTICYCLONE, OCTOBER 1960.
REPRINTED FROM JOURN. OF METEOR., VOL. 17, NO. 5, JUNE 1960, PP. 529-536
BY BOVILLE, B. W. — DDC NR. 253863 — CONTRACT NR. AF 19<604>-5865 — PROJ/TASK NR. 7614

AFCRL-TN-60-616
MCGILL UNIVERSITY
A STUDY OF THE NORTH POLAR TROPOPAUSE DURING 1958
NOVEMBER 1960.
BY COOK, C. W. — DDC NR. 257613 — CONTRACT NR. AF 19<604>-5865 — PROJ/TASK NR. 7614

AFCRL-TN-60-626
LONDON, UNIVERSITY OF
RADAR ANALYSIS OF HAILSTORM JULY 1960.
BY BROWNING, K A — DDC NR. 267287 — CONTRACT NR. AF 61<052>-256 — PROJ/TASK NR. 8620
LUDLAM, F H

AFCRL-TN-60-639
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
RESEARCH AND DEVELOPMENT IN THE FIELD OF GEODETIC SCIENCE, AUGUST 1960.
BY ENGEN, C. F. — DDC NR. 252869 — CONTRACT NR. — PROJ/TASK NR.

AFCRL-TN-60-650
ISRAEL INSTITUTE OF TECHNOLOGY
PULSE HEIGHT INDICATOR, FEB 1960.
BY GALIL, U — DDC NR. — CONTRACT NR. AF 61<052>-196 — PROJ/TASK NR. 8600
OPHIR, D

AFCRL-TN-60-659
LONDON, UNIVERSITY OF
ACCRETION IN MIXED CLOUDS, JULY 1960.
BY MACKLIN, W C — DDC NR. 267286 — CONTRACT NR. AF 61<052>-256 — PROJ/TASK NR. 8620

AFCRL-TN-60-662
ROYAL INSTITUTE OF TECHNOLOGY SWEDEN
NOTES ON THE PREPARATION AND ANALYSIS OF HALOGENIDE-FREE RHODIUM <III> PERCHLORATE <SULFATE> SOLUTIONS, FEBRUARY 15 1960.
BY BERECKI-BIEDERMANN C — DDC NR. 265506 — CONTRACT NR. AF 61<052>-181 — PROJ/TASK NR. 8694

AFCRC-TR-60-663
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
<U> IRAN PARTICIPATION IN OPERATION BIG ARM - ACTIVITIES, RESULTS AND APPRAISAL, FINAL REPORT, JUNE 1960.
BY NAGEL, H. H. — DDC NR.
ADAMS, M. C. — CONTRACT NR.
CAMPOS, J. — PROJ/TASK NR. 6906
ELLIS, R. F.
GULATSI, R. L.
HARRIS, D.
HARRIS, J. F.
HIDALGO, H.
RICE, J. C.
LOVETT, J. J.

AFCRC-TN-60-469
SYSTEMS LABORATORIES
RADAR RANGING EQUIPMENT FOR A GEODETIC SATELLITE. MAY 31 1960.
BY
DDC NR.
CONTRACT NR. AF 19(604)-6159
PROJ/TASK NR. 7600

AFCRL-TN-60-470
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EXAMPLES OF PROJECT ETOS DATA AND THEIR PRACTICAL METEOROLOGICAL USE. JULY 1960.
BY WIDGER, JR., W K
DDC NR. 245132
CONTRACT NR.
PROJ/TASK NR. 4982

AFCRL-TN-60-472
ARCTIC INSTITUTE OF NORTH AMERICA
APPLIED GLACIOLOGY-THE UTILIZATION OF ICE AND SNOW IN ARCTIC OPERATIONS. NOVEMBER 1959.
BY KINGERY, W. D.
DDC NR. 243980
CONTRACT NR. AF 19(604)-3073
PROJ/TASK NR. 7628

AFCRL-TN-60-480
OBSERVATOIRE DE PARIS-MEUDON, FRANCE
EMISSION SPECTRUM OF A HIGH FREQUENCY DISCHARGE IN OXYGEN
BY HERMAN, L
DDC NR. 257082
CONTRACT NR. AF 61(052)-88
PROJ/TASK NR. 7661

AFCRL-TN-60-482
OBSERVATOIRE DE PARIS-MEUDON, FRANCE
PREDISSOCIATION BY ROTATION OF THE OH MOLECULE
BY HERMAN, L
DDC NR. 256951
CONTRACT NR. AF 61(052)-88
PROJ/TASK NR. 7661

AFCRL-TN-60-485
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EXPLORATION OF THE IONOSPHERE WITH TELEMETERING MONOCHROMATORS AND RETARDING POTENTIAL ANALYZERS. AUGUST 1960.
BY HINTERREGGER, H E
DDC NR. 250581
CONTRACT NR.
PROJ/TASK NR. 1764-39791

AFCRL-TN-60-487
HARVARD UNIVERSITY
SOLAR RADIO BURSTS AND COSMIC RAYS. AUGUST 1960.
REPRINTED FROM PLANET. SPACE SCI. PERGAMON PRESS 1960. V. 2. PP. 104-109
BY THOMPSON A. R.
MAXWELL A.
DDC NR. 240896
CONTRACT NR. AF 19(604)-1394
PROJ/TASK NR. 7649

AFCRL-TN-60-488
OSLO, UNIVERSITY OF
AN INVESTIGATION OF THE STATE OF POLARIZATION OF THE RED GREEN O-LINES IN POLAR AURORAE. 1960.
BY HARANG, O
DDC NR. 257081
CONTRACT NR. AF 61(052)-252
PROJ/TASK NR. 7661

AFCRL-TN-60-489
TEXAS, A&M COLLEGE OF
MICROMETEOROLOGICAL DATA PROJECT GREEN GLOW.
VOLUME I. JUNE 1960.
BY CLAYTON, W. M.
DDC NR. 241368
CONTRACT NR. AF 19(604)-5527
PROJ/TASK NR. 7655

AFCRL-TN-60-490
GENERAL MILLS, INC.
THE REVERSAL OF STRATOSPHERIC WINDS OVER NORTH AMERICA. JUNE 22, 1960.
BY BELMONT, A D
DDC NR. 240037
CONTRACT NR. AF 19(604)-6618
PROJ/TASK NR. 8644

AFCRL-TN-60-491
PENNSYLVANIA STATE UNIVERSITY
A PRELIMINARY STUDY OF SUNRISE EFFECTS IN THE D-REGION. JUNE 1, 1960.
BY AIKIN, A. C.
DDC NR. 240289
CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8605

AFCRL-TN-60-492
ELECTROMAGNETIC RESEARCH CORPORATION
DETERMINATION OF IONOSPHERE PARAMETERS BY MEANS OF A SATELLITE ANTENNA-TYPE PROBE. JUNE 30, 1960.
BY ZACHARY, W W
WOLFF, E A
KATZIN, M
DDC NR. 240696
CONTRACT NR. AF 19(604)-6656
PROJ/TASK NR. 4774

AFCRL-TN-60-494
LONDON, UNIVERSITY OF
THE DENSITY AND STRUCTURE OF ICE FORMED BY ACCRETION AUGUST 1960.
BY MACKLIN, W C
DDC NR.
CONTRACT NR. AF 61(052)-254
PROJ/TASK NR. 8620

AFCRL-TN-60-496
PENNSYLVANIA STATE UNIVERSITY
STRUCTURE OF THE THERMOSPHERE JULY 1, 1960.
BY NICOLET, M.
DDC NR. 240290
CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8605

AFCRL-TN-60-497
WESTERN ONTARIO, UNIVERSITY OF
THE SPECTROSCOPY OF IONIC COLLISIONS. 1. THE DESIGN AND CONSTRUCTION OF A SIMPLE 100KV PROTON ACCELERATOR.
JUNE 1, 1960.
BY REEVES, E. M.
DDC NR. 240555
CONTRACT NR. AF 19(604)-4560
PROJ/TASK NR. 7635

AFCRL-TN-60-498
WESTERN ONTARIO, UNIVERSITY OF
TRANSITION PROBABILITIES OF MOLECULAR BAND SYSTEMS. XVII TABULATED KLEIN-DUNHAM POTENTIAL ENERGY FUNCTIONS FOR FIFTEEN STATES OF N2, NO+, O2+, C2, AND OH. JULY 1, 1960.
BY JARMAIN, W. R.
DDC NR.
CONTRACT NR. AF 19(604)-4560
PROJ/TASK NR. 7635

AFCRL-TN-60-499
HARVARD UNIVERSITY
ON THE FLOW OF A CONDUCTING FLUID PAST A MAGNETIZED SPHERE, AND FUTHER RESULTS ON THE FLOW OF A CONDUCTING FLUID PAST A MAGNETIZED SPHERE. AUGUST 1960.
REPR. FR. JOURN. OF FLUID MECHANICS. V. 7. PT. 4. PP. 516 528. 1960. AND REPR. FR. PROCEEDINGS OF THE SIXTH ANNUAL CONFERENCE ON FLUID MECHANICS. SEP 1959
BY LUDFORD G. S. S.
MURRAY, J. D.
DDC NR. 243264
CONTRACT NR. AF 19(604)-4545
PROJ/TASK NR. 8635

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PENNSYLVANIA STATE UNIVERSITY
THE STEADY STATE OF THE CHAPMAN-FERRARO PROBLEM IN TWO-DIMENSIONS. JULY 15, 1960.
BY DUNGEY, J. W.
DDC NR. 242973
CONTRACT NR. AF 19(604)-3875
PROJ/TASK NR. 7661

AFCRL-TN-60-602
CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) SECOND AFCRC MILITARY GEODESY SEMINAR PROCEEDINGS OF MEETINGS AT ORLANDO AIR FORCE BASE, ORLANDO, FLORIDA, 12-14 JANUARY 1960. NOVEMBER 1960. SECRET
BY WIRTANEN, T E
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7600

AFCRL-TN-60-603
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A RADIATIVE EQUILIBRIUM ALGORITHM FOR SEMIINFINITE ATMOSPHERES. GUENTER LOESER MEMORIAL LECTURE 1955.
BY KING, J. I. F.
DDC NR. 251609
CONTRACT NR.
PROJ/TASK NR.

AFCRL-TN-60-604
LIEGE, UNIVERSITY OF
IDENTIFICATIONS IN THE SPECTRA OF AURORAE, MAY 21, 1960.
BY REMY, L
ARPIGNY, C
ROSEN, B
DDC NR. 257071
CONTRACT NR. AF 61(052)-24
PROJ/TASK NR. 8605

AFCRL-TN-60-605
PENNSYLVANIA STATE UNIVERISTY.
IONOSPHERIC ELECTRON DENSITIES FOR WASHINGTON, D. C., PANAMA, TALARA, AND HUANCAYO FOR OCTOBER-NOVEMBER-DECEMBER 1958. AUGUST 1, 1960.
BY SCHMERLING, E. R.
DDC NR.
CONTRACT NR. AF 19(604)-3875
PROJ/TASK NR. 7663

AFCRL-TN-60-606
MARYLAND, UNIVERSITY OF
DISTRIBUTION OF DENSITY IN A PLANETARY EXOSPHERE. PART II. JUNE 20, 1960.
BY OPIK, E. J.
SINGER, S. F.
DDC NR. 240919
CONTRACT NR. AF 19(604)-3861
PROJ/TASK NR. 8605

AFCRL-TN-60-606
MARYLAND, UNIVERSITY OF
SUPPLEMENT TO DISTRIBUTION OF DENSITY IN A PLANETARY EXOSPHERE, PART II, OCTOBER 14, 1960.
BY OPIK, E. J.
SINGER, S. F.
DDC NR.
CONTRACT NR. AF 19(604)-3861
PROJ/TASK NR. 8605

AFCRL-TN-60-607
MARYLAND, UNIVERSITY OF
STRUCTURE OF THE EARTHS EXOSPHERE. JUNE 27, 1960.
BY SINGER, S. F.
DDC NR. 240812
CONTRACT NR. AF 19(604)-3861
PROJ/TASK NR. 8605

AFCRL-TN-60-611
KIRUNA GEOPHYSICAL OBSERVATORY
PREDICTION OF GEOMAGNETIC STORMS - A REVIEW JUNE 1, 1960.
BY EGELAND, A
DDC NR.
CONTRACT NR. AF 61(052)-237
PROJ/TASK NR. 8601

AFCRL-TN-60-612
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TANGENTIAL VELOCITY MEASUREMENTS - AN INDEPENDENT APPROACH T GEODESY. SEPTEMBER 1960.
BY DIETER, D C
DDC NR. 250863
CONTRACT NR.
PROJ/TASK NR. 8607

AFCRL-TN-60-613
NORSKE METEOROLOGISKI INSTITUTT
SIGNIFICANCE OF REGRESSION EQUATIONS DERIVED FROM SERIALLY CORRELATED DATA, AND A PROCEDURE OF SELECTING OPTIMAL PREDICTORS
BY NORDO, J
DDC NR. 245483
CONTRACT NR. AF 61(052)-374
PROJ/TASK NR.

AFCRL-TN-60-614(I)
UPPSALA, UNIVERSITY OF
GEOPHYSICAL ASPECTS OF COSMIC RAYS DAILY VARIATION OF MESON COMPONENT. PART I TEXT. APRIL 14, 1960.
BY SANDSTROM, A E
DYRING, E
LINDGREN, S
DDC NR. 243526
CONTRACT NR. AF 61(514)-1312
PROJ/TASK NR. 8600

AFCRL-TN-60-614<II
UPPSALA UNIVERSITY OF
GEOPHYSICAL ASPECTS OF COSMIC RAYS DAILY VARIATION OF MESON COMPONENT, PART II FIGURES, APRIL 14, 1960.
BY SANDSTROM, A E — DDC NR. 243604
DYRING, E — CONTRACT NR. AF 61<514>-1312
LINDGREN, S — PROJ/TASK NR. 8600

AFCRL-TN-60-615
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
TOPOGRAPHIC CHARTS AT ONE-DEGREE INTERSECTIONS FOR THE ENTIRE EARTH, SEPTEMBER 1960.
BY BERKOFSKY, L — DDC NR. 250584
BERTONI, F A — CONTRACT NR.
PROJ/TASK NR. 8628-86280

AFCRL-TN-60-616
HARVARD UNIVERSITY
PHOTOMETRIC OBSERVATIONS OF MARS IN 1941 AND 1958, AUGUST 15, 1960.
BY DE VAUCOULEURS, G. — DDC NR. 243029
CONTRACT NR. AF 19<604>-3074
PROJ/TASK NR. 8602

AFCRL-TN-60-617
STANFORD UNIVERSITY
<U> A SUMMARY OF RADIO MEASUREMENTS FOR FIREFLY 1959 <SMOKEPUFF VI>, JUNE 8, 1960. CONFIDENTIAL
BY GALLAGHER, P. B. — DDC NR. 319041
CONTRACT NR. AF 19<604>-2075
PROJ/TASK NR. 7635

AFCRL-TN-60-618
CHICAGO, UNIVERSITY OF
AURORA OF OCTOBER 22/23, 1958, AT RAPID CITY, SOUTH DAKOTA, REPRINTED FROM JOURNAL OF RESEARCH OF THE NATIONAL BUREAU OF STANDARDS, VOL. 64D, PP. 205-209, 1960
BY ROACH F. E. — DDC NR. 245943
MAROVICH, E. — CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-619
CHICAGO UNIVERSITY OF
DENSITY OF NEUTRAL GAS IN A PLANETARY EXOSPHERE, REPRINTED FROM THE PHYSICS OF FLUIDS, VOL. 3, NO. 3, MAY-JUNE, 1960
BY BRANDT, J. C. — DDC NR. 245944
CHAMBERLAIN, J. W. — CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-620
CHICAGO, UNIVERSITY OF
THE CONSTANTS OF THE 2II-2II OH BANDS, REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 132, NO. 3, 1960
BY WALLACE, L. — DDC NR. 260965
CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-622
CHICAGO, UNIVERSITY OF
ULTRAVIOLET EMISSION IN THE AURORA, <LES SPECTRES DES ASTRES DANS L ULTRAVIOLET LOINTAIN>, 1961, EXTRAIT DES MEMOIRES IN-8° DE LA SOCIETE ROYALE DES SCIENCES DE LIEGE, CINQUIEME SERIE, TOME IV, FASCICULE UNIQUE
BY CHAMBERLAIN, J. W. — DDC NR. 260969
CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-623
CHICAGO, UNIVERSITY OF
NEUTRAL AND IONIZED INTERPLANETARY HYDROGEN, <LES SPECTRES DES ASTRES DANS L ULTRAVIOLET LOINTAIN>, 1961, EXTRAIT DES MEMOIRES IN-8° DE LA SOCIETE ROYALE DES SCIENCES DE LIEGE, CINQUIEME SERIE, TOME IV, FASCICULE UNIQUE
BY CHAMBERLAIN J. W. — DDC NR. 260968
BRANDT, J. C. — CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-624
CHICAGO, UNIVERSITY OF
AURORAL TEMPERATURE DETERMINATION FROM A2II PSI X2 SIGMA BANDS OF THE N2 MOLECULE, 1961, REPRINTED FROM JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS, VOL. 20, NO. 1, PP. 1-8
BY MATHEWS W. G. — DDC NR. 260964
WALLACE, L. — CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-625
CHICAGO, UNIVERSITY OF
SEASONAL VARIATION AND INTERPRETATION OF THE OH ROTATIONAL TEMPERATURE OF THE AIRGLOW, 1961 REPRINTED FROM JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS, VOL. 20, NOS. 2/3, PP. 85-93 1961
BY WALLACE, L. — DDC NR. 260963
CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-626
CHICAGO, UNIVERSITY OF
THE ENERGIES IN THE SPECTRA OF THE AIRGLOW AND AURORA, 1961, EXTRAIT DES ANNALES DE GEOPHYSIQUE, TOME 17, 1961
BY CHAMBERLAIN, J. W. — DDC NR. 260962
CONTRACT NR. AF 19<604>-3044
PROJ/TASK NR. 7661

AFCRL-TN-60-627
DUBLIN INSTITUTE FOR ADVANCED STUDIES
THE INFLUENCE OF AIR-FLOW ON THE DETERMINATION OF THE DIFFUSION COEFFICIENT OF HETEROGENEOUS AEROSOLS BY THE DYNAMIC METHOD
REPRINTED FROM THE REVIEW GEOFISICA PURA E APPLICATA-MILANO V. 44, 1959/III, PP 224-232
BY POLLAK, L W — DDC NR. 257004
METNIEKS, A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR. 7690-76903

AFCRL-TN-60-628
CARTER OBSERVATORY <NEW ZEALAND>
HEIGHTS AND LOCATIONS OF THE AURORA AUSTRALIS FROM DUPLICATE AND SINGLE PHOTOGRAPHS, 1938-1941 AND ANNUAL, DIURNAL AND GEOMAGNETIC LATITUDE VARIATIONS OF THE AURORA AUSTRALIS, <1960>
BY MCQUISTAN, G W — DDC NR. 243128
FRANKPITT, B L — CONTRACT NR. AF 64 <500>-4
PROJ/TASK NR. 7641

AFCRL-TN-60-630
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
PHENOMENOLOGICAL CONSIDERATIONS OF THE INTERRUPTION THEORY OF LINE BROADENING, 1956,
BY BREENE, JR. R. G. — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRL-TN-60-631
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
PROGRESS AND PROSPECTS OF RADAR METEOROLOGY, GUENTER LOESER MEMORIAL LECTRUE, 1957.
BY ATLAS, D — DDC NR. 248008
CONTRACT NR.
PROJ/TASK NR.

AFCRL-TN-60-632
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
THE DETECTION OF NUCLEAR EXPLOSIONS BY SEISMIC MEANS, GUENTER LOESER MEMORIAL LECTURE, 1959.
BY HASKELL, N. A. — DDC NR. 248010
CONTRACT NR.
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AFCRL-TN-60-633
HARVARD UNIVERSITY
THE ASSOCIATION OF SOLAR RADIO BURSTS WITH FLARES AND PROMINENCES, SEPTEMBER 1960
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, V. 131, #3, MAY 1960
BY SWARUP, G — DDC NR. 245386
STONE P. H. — CONTRACT NR. AF 19<604>-1394
MAXWELL A. — PROJ/TASK NR. 7649

AFCRL-TN-60-634
CALIFORNIA UNIVERSITY OF
DIFFUSE REFLECTION OF SOLAR ULTRA-VIOLET RADIATION IN THE PRESENCE OF OZONE, JUNE 1960.
BY SEKERA, Z. — DDC NR. 244559
DAVE, J. V. — CONTRACT NR. AF 19<604>-2429
PROJ/TASK NR. 7621

AFCRL-TN-60-635
ARCTIC INSTITUTE OF NORTH AMERICA
REGELATION, SURFACE DIFFUSION, AND ICE SINTERING, OCTOBER 1959.
BY KINGERY, W. D. — DDC NR. 243981
CONTRACT NR. AF 19<604>-3073
PROJ/TASK NR. 7628

AFCRL-TN-60-636
DUBLIN INSTITUTE FOR ADVANCED STUDIES
A DIFFUSION BATTERY WITHOUT END-PIECES OR CONNECTING TUBING
REPRINTED FROM THE REVIEW GEOFISICA PURA E APPLICATA - MILANO, VOL. 45, 1960/1, PP. 249-257
BY POLLAK, I W — DDC NR. 257003
DALY, J — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR. 7690-76903

AFCRL-TN-60-637
DUBLIN INSTITUTE FOR ADVANCED STUDIES
INTRINSIC CALIBRATION OF THE PHOTO-ELECTRIC CONDENSATION NUCLEUS COUNTER MODEL 1957 WITH CONVERGENT LIGHT-BEAM, 1960,
BY POLLAK, L W — DDC NR. 245459
METNIEKS, A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR. 7690-76903

AFCRL-TN-60-638
INTERMOUNTAIN WEATHER, INC.
ATMOSPHERIC RADIATIVE FLUX IN THE 6.3 MICRON TO 8.2 MICRON INTERVAL, AUGUST 15, 1960
BY HALES, J V — DDC NR. 248154
STUDER, T A — CONTRACT NR. AF 19<604>-2418
PROJ/TASK NR. 7670

AFCRL-TN-60-639
STANFORD RESEARCH INSTITUTE
PHOTOCHEMICAL SYSTEMS FOR SOLAR ENERGY CONVERSION - NITROSYL CHLORIDE, AUGUST 15, 1960.
BY MARCUS, R J — DDC NR. 242972
WOHLERS, H C — CONTRACT NR. AF 19<604>-7302
PROJ/TASK NR. 6694-66942

AFCRL-TN-60-640
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
COSMIC-RAY MONITORING OF THE MANNED STRATOLAB BALLOON FLIGHTS, SEPTEMBER 1960.
BY YAGODA, H — DDC NR. 250864
CONTRACT NR.
PROJ/TASK NR. 8600

AFCRL-TN-60-641
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
METHODS FOR THE EVALUATION OF THE GREEN-S FUNCTION ARISING IN THE LINEAR BAROTROPIC NUMERICAL WEATHER PREDICTION THEORY, NOVEMBER 1960.
BY BERKOFSKY, L — DDC NR. 252560
CONTRACT NR.
PROJ/TASK NR. 8628-86280

AFCRL-TN-60-642
WISCONSIN, UNIVERSITY OF
SOME ATTEMPTS AT THE EXTRAPOLATION OF STRATOSPHERIC PRESSURE PATTERNS USING TROPOSPHERIC DATA, AUGUST 1960.
BY CORZINE, H. A. — DDC NR. 248206
BRYSON, R. A. — CONTRACT NR. AF 19<604>-5191
HORN, L. H. — PROJ/TASK NR. 8624-86240

AFCRL-TN-60-646
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
(U) OBSERVATIONS OF THOR MISSILE RE-ENTRY,
OCTOBER 1960. SECRET
BY ELLIS, R. F. DDC NR. 321985
CONTRACT NR.
PROJ/TASK NR. 6991-69911

AFCRL-TN-60-649
PENNSYLVANIA STATE UNIVERSITY
POLARIZATION OF VERTICALLY INCIDENT RADIO WAVES AT A
FREQUENCY OF 30MC/S, AUGUST 19, 1960.
BY ADDEPP, J. M. DDC NR. 267866
CONTRACT NR. AF 19(604)-6561
PROJ/TASK NR. 8609

AFCRL-TN-60-647
LOWELL TECHNOLOGICAL INSTITUTE
POLAR SATELLITE PROPAGATION MEASUREMENTS,
MAY 1960.
BY PETTIT, C. DDC NR.
GIBBARD, F. CONTRACT NR. AF 19(604)-6156
PFISTER, W. PROJ/TASK NR.
SALPS, C.
WASSERMAN, J.

AFCRL-TN-60-648
MICHIGAN, UNIVERSITY OF
PRESSURE PULSE RECEIVED DUE TO AN EXPLOSION IN THE
ATMOSPHERE AT AN ARBITRARY ALTITUDE, PART I: STUDIES IN
RADAR CROSS SECTIONS XII, AUGUST 1960.
BY WESTON, V. H. DDC NR. 265556
CONTRACT NR. AF 19(604)-5670
PROJ/TASK NR. 7631-76371

AFCRL-TN-60-650
COLORADO, UNIVERSITY OF
THE EQUILIBRIA AND ULTRAVIOLET SPECTRA OF H, HE I, AND HE II
IN THE SOLAR ATMOSPHERE, SEPTEMBER 1960.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 131, NO. 3,
MAY 1960
BY ATHAY, R. G DDC NR. 269666
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-TN-60-651
COLORADO, UNIVERSITY OF
H BETA, H GAMMA AND
K PROFILES IN CHROMOSPHERIC SPICULES, SEPTEMBER 1960.
EXTRAIT DES ANNALES D ASTROPHYSIQUE, TOME 23, NO. 2,
MARS-AVRIL 1960
BY ATHAY, R. G DDC NR. 269669
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-TN-60-652
COLORADO, UNIVERSITY OF
HELIUM EQUILIBRIUM IN THE SOLAR ATMOSPHERE,
SEPTEMBER 1960.
BY JOHNSON, H. DDC NR. 265607
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-TN-60-653
MICHIGAN, UNIVERSITY OF
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF RADIOACTIVE
IONIZATION GAUGES MAY 1960
BY EL-WOSLIMANY, M A DDC NR.
CONTRACT NR. AF 19(604)-1911
PROJ/TASK NR. 6672

AFCRL-TN-60-654
MICHIGAN, UNIVERSITY, OF
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF RADIOACTIVE
IONIZATION GAUGES, MAY 1960
BY EL-WOSLIMANY, M A. DDC NR. 265923
CONTRACT NR. AF 19(604)-565
CONTRACT NR. AF 19(604)-1948
CONTRACT NR. AF 19(604)-1911
PROJ/TASK NR. 6690

AF RL-TN-60-655
SCIENTIFIC PLANNING ASSOCIATES CORPORATION
CLOUD TRANSMISSION OF INFRARED RADIATION,
SEPTEMBER 1, 1960.
BY WELNICK, D. A. DDC NR. 266185
ROSS, D. J. CONTRACT NR. AF 19(604)-6092
PROJ/TASK NR. 7670

AFCRL-TN-60-656
WEIZMANN INSTITUTE OF SCIENCE
PRESSURE-INDUCED SHIFTS OF HCL ABSORPTION LINES IN THE
INFRARED
REPRINTED FROM THE JOURNAL OF CHEMICAL PHYSICS, V. 31, #1
81-84, JULY 1959
BY KIMEL, S DDC NR. 267897
HIRSHFELD, M A CONTRACT NR. AF 61(052)-97
JAFFE, J H PROJ/TASK NR. 8605-860303

AFCRL-TN-60-696
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SPECIFICATION OF CLOUDINESS AND PRECIPITATION BY
MULTI-LEVEL DYNAMICAL MODELS, SEPTEMBER 1960.
BY SANDERS, F. DDC NR. 267669
WAGNER, A. J. CONTRACT NR. AF 19(604)-5601
CARLSON, T. N. PROJ/TASK NR. 8601

AFCRL-TN-60-697
UTAH, UNIVERSITY OF
CHARACTERISTICS OF LOW FREQUENCY ANTENNAS FOR ROCKET
APPLICATIONS, AUGUST 12, 1960.
BY WINER, G F DDC NR.
CONTRACT NR. AF 19(604)-2227
PROJ/TASK NR. 7669

AFCRL-TN-60-698
MCGILL UNIVERSITY
WEATHER-RADAR ATTENUATION ESTIMATES FROM RAINFALL
STATISTICS, JANUARY 1961.
BY HAMILTON P. M. DDC NR. 250196
MARSHALL, J. S. CONTRACT NR. AF 19(604)-2065
PROJ/TASK NR. 8670-86704

AFCRL-TN-60-699
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
GUIDE FOR COMPUTATION OF HORIZONTAL GEODETIC SURVEYS
DECEMBER 1960
BY LAMELA, H R DDC NR.
ROY, N A CONTRACT NR.
PROJ/TASK NR. 7600-76021

AFCRL-TN-60-660
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN INVESTIGATION OF A PERENNIALLY FROZEN LAKE, DECEMBER
1960
BY BARNES, D F DDC NR. 259666
CONTRACT NR.
PROJ/TASK NR. 7628-76287

AFCRL-TN-60-667
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
(U) ANALYTIC SPECIFICATION OF MAGNETIC FIELDS,
DECEMBER 1960. CONFIDENTIAL
BY FOUGERE, P. F. DDC NR. 326547
CONTRACT NR.
PROJ/TASK NR. 7600

AFCRL-TN-60-661
UPPSALA, UNIVERSITY OF
FIRST AND SECOND HARMONICS OF THE DAILY VARIATION OF THE
COSMIC RAY NUCLEONIC COMPONENT AT UPPSALA AUGUST 31, 1954
TO AUGUST 31, 1957, APRIL 21, 1959.
BY SANDSTROM, A E DDC NR. 269529
LINDGREN, S CONTRACT NR. AF 61(514)-.12
PROJ/TASK NR. 8600

AFCRL-TN-60-664
GEORGETOWN UNIVERSITY
A SURVEY OF GEOMAGNETISM DECEMBER 1960.
BY GLOVER, F DDC NR. 259576
HEYDEN, F J CONTRACT NR. AF 19(604)-7203
PROJ/TASK NR. 7600

AFCRL-TN-60-666
GEORGETOWN UNIVERSITY
RECENT STUDIES OF THE KNOWN PHYSICAL CHARACTERISTICS OF THE
MOON AND THE PLANETS DECEMBER 1960.
BY KIESS, C C DDC NR. 259575
BIRNEY, D S CONTRACT NR. AF 19(604)-7203
PROJ/TASK NR. 7670

AFCRL-TN-60-667
AVCO CORPORATION
SCATTERING COEFFICIENTS FOR ABSORBING AND NONABSORBING
AEROSOLS, OCTOBER 1960.
BY PENNDORF, R. B DDC NR. 267199
CONTRACT NR. AF 19(604)-5761
PROJ/TASK NR. 7670-76706

AFCRL-TN-60-668
CHICAGO, UNIVERSITY OF
A MODIFIED ,,SIGMA,, SYSTEM OF COORDINATES, SEPTEMBER 1960.
BY SANGSTER, W E DDC NR. 267338
CONTRACT NR. AF 19(604)-7230
PROJ/TASK NR. 8601-86010

AFCRL-TN-60-669
CHICAGO, UNIVERSITY OF
AN EXPERIMENT IN COMPUTATION OF PRECIPITATION, AUGUST 1960.
BY PEDERSEN, E DDC NR. 266619
CONTRACT NR. AF 19(604)-7230
PROJ/TASK NR. 8601-86010

AFCRL-TN-60-670
MCGILL UNIVERSITY
ON THE MEASUREMENT OF CLOUD TEMPERATURES FROM THE GROUND
BY INFRA-RED RADIATION, OCTOBER 1960.
BY HITSCHFELD, W. DDC NR. 266068
CONTRACT NR. AF 19(604)-2065
PROJ/TASK NR. 8670-86706

AFCRL-TN-60-672
BERGEN, UNIVERSITY OF
SOME CONSIDERATIONS OF POSSIBLE CALCULATIONS CONCERNING
SUB-SONIC SHEAR-FLOW TURBULENCE, JUNE 1960.
BY BJORGUM, O DDC NR. 297177
CONTRACT NR. AF 61(052)-279
PROJ/TASK NR. 8604

AFCRL-TN-60-673
BERGEN, UNIVERSITY OF
MATHEMATICAL THEORY OF TURBULENCE, PART I, ASYMPTOTIC
EXPANSIONS IN WALL-LAW LAYER, JULY 1960.
BY BJORGUM, O DDC NR. 297174
CONTRACT NR. AF 61(052)-279
PROJ/TASK NR. 8604

AFCRL-TN-60-674
OHIO STATE UNIVERSITY
INFRARED ABSORPTION BY MINOR ATMOSPHERIC CONSTITUENTS,
AUGUST 1960.
BY BURCH D. F. DDC NR. 266971
WILLIAMS D. CONTRACT NR. AF 19(604)-2651
PROJ/TASK NR. 7670
PROJ/TASK NR. 6681

AFCRL-TN-60-675
TRAVELERS WEATHER RESEARCH CENTER
A MOVING-COORDINATE PREDICTION MODEL APPLIED TO EAST COAST
CYCLONES, NOVEMBER 1960.,
BY OSTBY, F. P. DDC NR. 267686
VEIGAS, E. W. CONTRACT NR. AF 19(604)-4207
PROJ/TASK NR. 8670-86701

AFCRL-TN-60-676
ROYAL INSTITUTE OF TECHNOLOGY (SWEDEN)
RESEARCH ON CHARACTERISTICS OF TRANSITION ELEMENTS IN SOLUTION. I. STUDIES ON RHODIUM CHEMISTRY. 2. STUDIES ON AUTHORITY CHEMISTRY. (1960)
BY SILLEN, L. G. DDC NO. 247632
HEDBERG-PERFORMANCE C CONTRACT NO. AF 61(052)-181
ABIIO, P PROJ/TASK NO. 6696

AFCRL-TN-60-677
WEIZMANN INSTITUTE OF SCIENCE
NUCLEUS-NUCLEUS REACTION CROSS-SECTION AT HIGH ENERGY COLLISIONS, AUGUST 16, 1960.
BY ALEXANDER, G. DDC NO. 247526
VEEUTTELI, G CONTRACT NO. AF 61(052)-371
PROJ/TASK NO. 8600

AFCRL-TN-60-678
SOUTHERN CALIFORNIA, UNIVERSITY OF
ABSORPTION, IONIZATION, AND ION FRAGMENTATION CROSS SECTIONS OF HYDROCARBON VAPORS FOR VACUUM ULTRAVIOLET RADIATION, JUNE 15, 1960.
BY SCHOFEN, R. I. DDC NO. 262749
CONTRACT NO. AF 19(604)-5699
PROJ/TASK NO. 6699

AFCRL-TN-60-680
SOUTHERN CALIFORNIA, UNIVERSITY OF
THE ABSORPTION COEFFICIENTS OF THE ALKALI METALS AND THE ALKALI EARTHS, JUNE 28, 1960.
BY HUDSON, R. D. DDC NO. 262710
CONTRACT NO. AF 19(604)-5699
PROJ/TASK NO. 6699

AFCRL-TN-60-681
RANCE ASSOCIATES, INC.
RESEARCH, DESIGN, AND CONSTRUCTION OF A MISSILE-BORNE RADIOMETER, OCTOBER 31, 1960.
BY DANA, F. G. DDC NO. 263616
FERRARI, JR., F. CONTRACT NO. AF 19(604)-5758
PROJ/TASK NO. 4991

AFCRL-TN-60-682
RANCE ASSOCIATES, INC.
DESIGN AND CONSTRUCTION OF A ROCKET-BORNE [illegible]METER FOR MEASUREMENT OF PLUME MODULATION, OCTOBER 17, 1960.
BY JONES, C. W. DDC NO. 263617
CONTRACT NO. AF 19(604)-5758
PROJ/TASK NO. 4991

AFCRL-TN-60-685
COLORADO, UNIVERSITY OF
RIABIAL POINTING CONTROL, 1959
BY WILSHUSEN, P. DDC NO. 247834
CONTRACT NO. AF 19(604)-1726
PROJ/TASK NO. 7659

AFCRL-TN-60-686
NEW YORK UNIVERSITY
THE GREEN'S FUNCTION METHOD FOR QUANTUM CORRECTIONS TO THE THOMAS-FERMI MODEL OF THE ATOM, AUGUST 1960.
BY RAGAFF, G. A. DDC NO.
BOROWITZ, S. CONTRACT NO. AF 19(604)-6555
PROJ/TASK NO. 7635

AFCRL-TN-60-687
NEW YORK UNIVERSITY
BOUNDS ON SCATTERING PHASE SHIFTS FOR COMPOUND SYSTEMS, OCTOBER 1960.
BY ROSENBERG L. DDC NO. 256789
SPRUCH, L CONTRACT NO. AF 19(604)-6555
PROJ/TASK NO. 7635

AFCRL-TN-60-689
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CONTRIBUTIONS TO STRATOSPHERIC METEOROLOGY, VOLUME II, SEPTEMBER 1960.
BY BORDEN, JR., [illegible] DDC NO. 256986
HERING, W S CONTRACT NO.
QUERCH, M S PROJ/TASK NO. 8631-8669
DERING, G

AFCRL-TN-60-690
NEW YORK UNIVERSITY
THE 7S EXCITED STATE OF THE CESIUM ATOM, OCTOBER 1960.
BY BRUNNER, H. J. DDC NO. 256911
CONTRACT NO. AF 19(604)-6555
PROJ/TASK NO. 7635

AFCRL-TN-60-691
PENNSYLVANIA STATE UNIVERSITY
IONOSPHERIC EFFECTS OF SOLAR FLARES - II IONIZATION MODELS, DECEMBER 1, 1960.
BY MITRA, A. P. DDC NO. 266308
CONTRACT NO. AF 19(604)-3875
PROJ/TASK NO. 7669

AFCRL-TN-60-692
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
BACKGROUND MEASUREMENTS DURING THE INFRARED MEASURING PROGRAM 1956 (ERMO 96), (UNCLASSIFIED EXCERPTS FROM THE PROCEEDINGS OF THE SYMPOSIUM OF (ERMP 96) NOVEMBER 1960.
BY NAGEL, R. DC DDC NO. 256960
CONTRACT NO.
PROJ/TASK NO. 6906

AFCRL-TN-60-696
HARVARD UNIVERSITY
FISSION CORES IN THE CA II LINES IN FLARES, NOVEMBER 1960.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 132, NO. 1, JULY 1960
BY SMITH E. V. P. DDC NO. 260869
CONTRACT NO. AF 19(604)-6961
PROJ/TASK NO. 7669

AFCRL-TN-60-696
NORTHWESTERN UNIVERSITY
INTERSTELLAR RESEARCH WITH A SPECTROSCOPIC SATELLITE, OCTOBER 1960.
BY SPITZER, JR, L. DDC NO.
ZABRISKIE, F. R. CONTRACT NO. AF 19(604)-6972
PROJ/TASK NO. 8634

AFCRL-TN-60-697
[illegible]
SPACE TELESCOPES AND COMPONENTS, JUNE 1960.
BY SPITZER, JR., L. DDC NO.
CONTRACT NO. AF 19(604)-6972
PROJ/TASK NO. 8634

AFCRL-TN-60-698
WASHINGTON, UNIVERSITY OF
PRELIMINARY RESULTS OF A STUDY OF PACIFIC STORM [illegible] USING 1.87 CM RADAR, MAY 1961.
BY GOLITZBERG, C. M. DDC NO.
CONTRACT NO. AF 19(604)-5519
PROJ/TASK NO. 8661

AFCRL-TN-60-699
NEW HAMPSHIRE, UNIVERSITY OF
THE 27-DAY RECURRENT VARIATIONS IN THE COSMIC-RAY INTENSITY, 9/DEC1960)
BY SMITH, M. A. DDC NO. 260191
LOCKWOOD, J. A. CONTRACT NO. AF 19(604)-6552
PROJ/TASK NO. 8611

AFCRL-TN-60-756
NEW YORK UNIVERSITY
ON AN INTEGRAL EQUATION ARISING IN INVERSE SCATTERING, APRIL 1960.
BY YANG, C. N. DDC NO. 266009
CONTRACT NO. AF 19(604)-3695
PROJ/TASK NO. 5639-56[illegible]

AFCRL-TN-60-757
CBS ASSOCIATES
[illegible] STUDY REPORT VOLUMETRIC FIXED APERTURE RADAR SCANNING ANTENNAS, AUGUST 15, 1960. CONFIDENTIAL
BY PLOUSSIOS, G. DDC NO. 319712
CONTRACT NO. AF 19(604)-6494
PROJ/TASK NO. 4506

AFCRL-TN-60-758
GENERAL TELEPHONE & ELECTRONICS LABS, INC
ANALYSIS OF TRACE IMPURITIES IN SILICON CARRIER, JULY 7, 1960.
BY [illegible]PP, R. L. DDC NO. 266173
HARRISON, G. H. CONTRACT NO. AF 19(604)-6964
PROJ/TASK NO. 5620-56[illegible]
PROJ/TASK NO. 5621-56211

AFCRL-TN-60-760
BATTELLE MEMORIAL INSTITUTE
(U) PROGRESS ON THE DEVELOPMENT OF LIGHTWEIGHT MAGNETIC FILLER MATERIALS FOR ABSORBER APPLICATIONS, MAY 31, 1960. SECRET
BY STUTZ, D. F. DDC NO.
BIFF, W. F. CONTRACT NO. AF 19(604)-3046
PALERMBACH J. PROJ/TASK NO. 8268-60[illegible]
CARLTON, H. F.

AFCRL-TN-60-761
BATTELLE MEMORIAL INSTITUTE
(U) A COMPUTATIONAL PROCEDURE FOR EVALUATING MATERIALS AS AS SINGLE- AND DOUBLE-LAYER ABSORBERS, JUNE 15, 1960. CONFIDENTIAL
BY COMPTON, JR., R. T. DDC NO.
PALERMBACH, G. J. CONTRACT NO. AF 19(604)-3046
PROJ/TASK NO. 8268-60[illegible]

AFCRL-TN-60-762
TRG, INCORPORATED
SURVEY OF THE LITERATURE ON MILLIMETER AND SUBMILLIMETER WAVES, JUNE 30, 1960.
BY LUBY, J. DDC NO. 269262
CONTRACT NO. AF 19(604)-6570
PROJ/TASK NO. 5691-56019

AFCRL-TN-60-769
COLORADO, UNIVERSITY OF
IMPEDANCE AND PATTERN STUDIES OF DISK-BASED MONOPOLES OVER LOSSY GROUND SURFACES, JULY 1960.
BY JOHNS, C. T. DDC NO.
CONTRACT NO. AF 19(604)-6556
PROJ/TASK NO. 6600-66009

AFCRL-TN-60-776
CALIFORNIA, UNIVERSITY OF
STABILITY OF RANDOM LINEAR SYSTEMS WITH MARKOV PARAMETERS, PART I, JUNE 29, 1960.
BY BHARUCHA, R. M. DDC NO.
CONTRACT NO. AF 19(604)-5666
PROJ/TASK NO. 6612-66120

AFCRL-TN-60-778(I)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TABLES OF -P LOG 2 P-Q LOG 2 Q, VOLUME II, PART 1 (SECTION 1), JULY 1960.
BY MOTT-SMITH, J DDC NO. 260996
WILLETT, H M CONTRACT NO.
PROJ/TASK NO. 9612-96929

AFCRL-TN-60-778(II)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TABLES OF -P LOG 2 P -Q LOG 2 Q, VOLUME III, PART 1 (SECTION 2), JULY 1960.
BY MOTT-SMITH, J DDC NO. 260997
WILLETT, H M CONTRACT NO.
PROJ/TASK NO. 9612-96929

AFCRL-TN-60-779
STANFORD UNIVERSITY
SOME PROPERTIES OF RADIO WAVES REFLECTED FROM THE MOON AND THEIR RELATION TO THE LUNAR SURFACE, AUGUST 8, 1960.
BY HAGFORS, T. DDC NR. 261719
CONTRACT NR. AF 19(604)-7191
PROJ/TASK NR. 4609-46013

[illegible]
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, JUNE 22, 1960.
BY HALL, R N DDC NR.
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

AFCRL-TN-60-781
COLUMBIA UNIVERSITY
A DIELECTRIC SURFACE WAVE STRUCTURE THE V-LINE.
JULY 1, 1960.
BY VIGANTS, A. DDC NR. 263691
SCHLESINGER, S. P. CONTRACT NR. AF 19(604)-7879
DIAMENT, P PROJ/TASK NR. 4600-46016

AFCRL-TN-60-782
TRG, INCORPORATED
DEFOCUSING OF PARABOLOIDS FOR MAXIMUM TRANSFER OF ENERGY TO A RECEIVER IN THE FRESNEL ZONE, APRIL 29, 1960.
BY KAY, A. F. DDC NR. 249622
CONTRACT NR. AF 19(604)-5592
PROJ/TASK NR. 4608-46[illegible]

AFCRL-TN-60-784
HARVARD UNIVERSITY
FERROMAGNETIC RESONANCE EFFECTS AND MISCELLANEOUS RESONANCE MEASUREMENTS IN MAGNETIC GARNETS.
BY RODRIGUE, G. P. DDC NR. 249227
MEYER, H. CONTRACT NR. AF 19(604)-5487
JONES, R. V. PROJ/TASK NR. 5633-56331

AFCRL-TN-60-790
CORNELL UNIVERSITY
AN ANALYSIS OF THE EFFECT OF AN IMPOSED MAGNETIC FIELD ON THE SPECTRUM OF INCOHERENT SCATTERING, JULY 15, 1960.
BY LAASPERE, T DDC NR.
CONTRACT NR. AF 19(604)-6158
PROJ/TASK NR. 4781

AFCRL-TN-60-791
NEW YORK UNIVERSITY
RELIABLE FAIL-SAFE AIRBORNE COMMUNICATION, JULY 10, 1960.
BY METZNER, J. J DDC NR. 249253
MORGAN, M. G CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 4610-46102

AFCRL-TN-60-794
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MEASUREMENT OF HUMAN OPERATOR ALERTNESS IN CONTINUOUS CONTROL SYSTEMS, APRIL 1960.
BY RIGGS, P. DDC NR. 246629
CONTRACT NR. AF 19(604)-6468
PROJ/TASK NR. 9692-96922

AFCRL-TN-60-796
MINNESOTA, UNIVERSITY OF
STUDIES ON BASE NICKELS FOR OXIDE-COATED CATHODES, PERIOD COVERING JANUARY 15, 1960 TO APRIL 15, 1960.
BY ANDERSON, D. F. DDC NR. 249311
CONTRACT NR. AF 19(604)-3890
PROJ/TASK NR. 5610-56107

AFCRL-TN-60-797
AVCO CORPORATION
DETERMINATION OF THE TEMPERATURE DEPENDENCE OF MATERIAL PROPERTIES IN IMAGE FURNACES, OCTOBER 10, 1960.
BY LASZLO, T. S DDC NR. 246356
ELAMIN, M. S CONTRACT NR. AF 19(604)-7206
PROJ/TASK NR. 5634-56340

AFCRL-TN-60-798
BARTOL RESEARCH FOUNDATION
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS JULY 1960
BY DARROTH, W. F DDC NR.
CONTRACT NR. AF 19(604)-1906
PROJ/TASK NR. 6194

AFCRL-TN-60-799
RAYTHEON COMPANY
CW, HF RADAR OBSERVATIONRATIONS OF MISSILE LAUNCHES, JULY 1960. (CONF)
BY EDWARDS, L. C. DDC NR.
CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR. 4649-46496

AFCRL-TN-60-800
BROWN UNIVERSITY
MAGNETOHYDRODYNAMICS OF CONDUCTING FLUIDS, OCTOBER 1960.
BY LUDFORD, G. S. S DDC NR. 246226
CONTRACT NR. AF 19(604)-7256
PROJ/TASK NR. 8600

AFCRL-TN-60-801
MCGILL UNIVERSITY
THE SUMMER CIRCULATION OF THE ARCTIC STRATOSPHERE BELOW 30 KM, OCTOBER 1960.
REPRINTED FROM THE QUARTERLY JOURN. OF THE ROYAL METEOR. SOC., VOL. 86, NO. 368, APRIL 1960
BY HARP, P. F. DDC NR. 251961
CONTRACT NR. AF 19(604)-3865
PROJ/TASK NR. 7614

AFCRL-TN-60-802
MCGILL UNIVERSITY
THE DISTURBED CIRCULATION OF THE ARCTIC STRATOSPHERE, OCTOBER 1960.
REPRINTED FROM JOURN. OF METEOR, VOL. 17, NO. 1, FEBRUARY 1960, PP. 36-51
BY HARP, P. F. DDC NR. 251962
CONTRACT NR. AF 19(604)-3865
PROJ/TASK NR. 7614

AFCRL-TN-60-803
MCGILL UNIVERSITY
MIDWINTER OZONE VARIATIONS AND STRATOSPHERIC FLOW OVER CANADA, 1958-59, NOVEMBER 1960.
BY ALLINGTON, R. DDC NR. 251866
ROVILLE, P. W. CONTRACT NR. AF 19(604)-3865
HARP, P. F. PROJ/TASK NR. 7614

AFCRL-TN-60-804
AF CAMBRIDGE RE. ARCH LABORATORIES (IN-HOUSE)
WIND SPEEDS FROM [illegible]
COMPARED TO PLOTTING BOARD RESULTS, OCTOBER 1960.
BY SALMELA, H A DDC NR. 250861
CONTRACT NR.
PROJ/TASK NR. 8626-86261

AFCRL-TN-60-805
HARVARD UNIVERSITY
CLASSIFICATION OF SOLAR PROMINENCES I 1965 JAN 61.
BY MENZEL, D. H. DDC NR. 251237
JONES, F. S. CONTRACT NR. AF 19(604)-6902
PROJ/TASK NR. 7669

AFCRL-TN-60-806
ARCTIC INSTITUTE OF NORTH AMERICA
SOLIDIFICATION OF SEA ICE, OCTOBER 1960.
REPRINTED FROM JOURNAL OF GLACIOLOGY, VOL. 3, NO. 28, 1960
BY ADAMS, W., C. M. DDC NR.
FRENCH D. M. CONTRACT NR. AF 19(604)-1071
RINGERY, W. S. PROJ/TASK NR. 7628

AFCRL-TN-60-807
OKLAHOMA, UNIVERSITY OF
ELECTRONIC STRUCTURE AND HYPERFINE STRUCTURE CONSTANTS IN NO MOLECULE, NOVEMBER 1960.
REPRINTED FROM THE JOURNAL OF CHEMICAL PHYSICS, VOL. 33, NO. 3, 870-881, SEPTEMBER 1960
BY LIN, C. C. DDC NR. 267197
MIJIKATA, E. CONTRACT NR. AF 19(604)-[illegible]
SAKAMOTO, M. PROJ/TASK NR. 7635-76350

AFCRL-TN-60-808
NEW YORK UNIVERSITY
THE PROBING OF THE TROPOPAUSE BY BALLOONS THAT FOLLOW IT - A SUGGESTION OCTOBER 1960.
BY [illegible] DDC NR.
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8649-86491

AFCRL-TN-60-809
ILLINOIS, UNIVERSITY OF
REFRACTIVE INDEX FOR PLANE WAVE PROPAGATION IN A LOSSLESS MAGNETO-IONIC MEDIUM, JULY 15, 1960.
BY DESCHAMPS, [illegible] DDC NR. 250686
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8651-86510

AFCRL-TN-60-811
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND, NOVEMBER 1960
BY JEFFRIES, J. T DDC NR. 250862
OBRALL, V. G CONTRACT NR.
PROJ/TASK NR. 7600-76000

AFCRL-TN-60-812
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ON THE MAINTENANCE OF KINETIC ENERGY OF THE LARGE-SCALE STATIONARY DISTURBANCES IN THE ATMOSPHERE
SEPTEMBER 1960.
BY [illegible] DDC NR. 260976
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8628-86280

AFCRL-TN-60-813
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SOLUTION OF THE NONLINEAR EQUATIONS OF CELLULAR CONVECTION AND HEAT TRANSPORT OCTOBER 1960.
BY KUO, H. L DDC NR. 260975
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8628-86280

AFCRL-TN-60-814
TEXAS, A & M COLLEGE OF
EFFECTS OF CONDENSATION, EVAPORATION AND RAINFALL ON THE DEVELOPMENT OF MESOSCALE DISTURBANCES A NUMERICAL EXPERIMENT SEPTEMBER 1960
BY SASAKI, Y DDC NR. 260887
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8622

AFCRL-TN-60-815
CALIFORNIA UNIVERSITY OF
SOLUTION OF RADIATIVE TRANSFER IN AN INFINITE SCATTERING MEDIUM ILLUMINATED BY A POINT SOURCE, OCTOBER 1960.
BY [illegible] DDC NR.
CONTRACT NR. AF 19(604)-7629
PROJ/TASK NR. 7621

AFCRL-TN-60-817
CALIFORNIA, UNIVERSITY OF
STATIC STABILITY MEASURES IN THE ATMOSPHERE OCTOBER 31, 1960.
BY GATES, W. L. DDC NR. 250868
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 4628

AFCRL-TN-60-818
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
HEMISPHERIC TEMPERATURE CONDITIONS DURING THE YEAR 1958 NOVEMBER 1960.
BY PFEIFFER, J. P. DDC NR. 260898
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8628-86280

AFCRL-TN-60-819
JOHNS HOPKINS UNIVERSITY
QUANTITATIVE RELATIONSHIPS BETWEEN ATMOSPHERIC VAPOR FLUX AND PRECIPITATION, OCTOBER 1960.
EXTRACT OF PUBLICATION NO. 91, OF THE I.A.S.H. COMMISSION OF SURFACE WATERS, PP. 60-70
BY BENTON, G S — DDC NR., CONTRACT NR., AF 19(604)-6167, PROJ/TASK NR., 8606-86061

AFCRL-TN-60-820
GEORGETOWN UNIVERSITY
MEASUREMENTS OF THE SUN-S LIMB FOR THE DETERMINATION OF [illegible]
BY DE KORT, J — DDC NR., 259928, CONTRACT NR., AF 19(604)-7209, PROJ/TASK NR., 7600

AFCRL-TN-60-821
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN INVESTIGATION OF SYMBOL CODING FOR WEATHER DATA TRANSMISSION, DECEMBER 1960.
BY HERSHBERG, P I — DDC NR., CONTRACT NR., PROJ/TASK NR., 6690-66901

AFCRL-TN-60-822
BOSTON COLLEGE
RESEARCH DIRECTED TOWARD THE DEVELOPMENT OF A PULSED AIR-CORE BETATRON, SEPTEMBER 19, 1960.
BY GUTBROD, W G. — DDC NR., 260508, CONTRACT NR., AF 19(604)-2194, PROJ/TASK NR., 8608

AFCRL-TN-60-823
TEMPLE UNIVERSITY
SPECTROPHOTOMETRIC DETERMINATION OF HIGH TEMPERATURES, NOVEMBER 1, 1960.
BY BOHN, J. L. — DDC NR., 269239, CONTRACT NR., AF 19(604)-3076
FUCHS O. P. — PROJ/TASK NR., 8608-86087
MORTON, R. E.

AFCRL-TN-60-824
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
INTERPOLATION OF THE GRAVITATION FIELD AT HIGH ELEVATIONS OCTOBER 1960.
BY HIRVONEN, R A — DDC NR., 252220, CONTRACT NR., AF 19(604)-6201, PROJ/TASK NR., 7600-76002
ETKIOJA, L A

AFCRL-TN-60-825
LIEGE, UNIVERSITY OF
THEORETICAL CONSIDERATIONS OF THE PREDICTED FAR ULTRAVIOLET SPECTRA OF COMETS AND OF POLAR AURORAE, AUGUST 19, 1960.
BY SWINGS, P — DDC NR., 257098, CONTRACT NR., AF 61(052)-26, PROJ/TASK NR., 8605
BOSMAN-CREPIN, D
ARPIGNY, C

AFCRL-TN-60-826
LIEGE, UNIVERSITY OF
IONIZATION AND EXCITATION OF NEUTRAL OXYGEN IN THE VICINITY OF HOT STARS, SEPTEMBER 10, 1960.
BY HOUZIAUX, L — DDC NR., 257099, CONTRACT NR., AF 61(052)-26, PROJ/TASK NR., 8605

AFCRL-TN-60-827
JOHANN WOLFGANG GOETHE-UNIVERSITAT
THE CHEMICAL COMPOSITION OF INDIVIDUAL RAINFALLS, JULY 1960
BY GEORGII, H W — DDC NR., 266285, CONTRACT NR., AF 61(052)-269, PROJ/TASK NR., 7690
WEBER, E

AFCRL-TN-60-828
UPPSALA UNIVERSITY OF
BIHOURLY DIAGRAMS OF FORBUSH DECREASES, SEPTEMBER 29, 1960.
BY SANDSTROM A E — DDC NR., 266686, CONTRACT NR., AF 61(416)-1312, PROJ/TASK NR., 8600

AFCRL-TN-60-891
MANCHESTER, UNIVERSITY OF
STUDIES IN LUNAR TOPOGRAPHY, VIII, A CATALOGUE OF MEASURED HEIGHTS IN THE REGIOMONTANUS AND HELL PLAIN REGION OF THE MOON, JUNE 1960.
BY TURNER, G — DDC NR., 267981, CONTRACT NR., AF 61(052)-168, PROJ/TASK NR., 7671

AFCRL-TN-60-892
HAWAII, UNIVERSITY OF
OBJECTIVE WIND FORECASTING OVER THE TROPICAL PACIFIC, DECEMBER 1960.
BY LAVOIE, R L — DDC NR., 251102, CONTRACT NR., AF 19(604)-7229, PROJ/TASK NR., 8641-86411
WIEDERANDERS, C J

AFCRL-TN-60-894
HAWAII, UNIVERSITY OF
AN INVESTIGATION INTO THE RELATIONSHIP OF MONTHLY CIRCULATION INDICES AND ANOMALIES TO TYPHOON DEVELOPMENT (IN THE WESTERN PACIFIC) AUGUST 1960.
BY ORGILL, M M — DDC NR., 253696, CONTRACT NR., AF 19(604)-7229, PROJ/TASK NR., 8641-86411

AFCRL-TN-60-895
STANFORD RESEARCH INST., MENLO PARK, CALIF.
DISTRIBUTIONS OF ATMOSPHERIC RADIATIVE HEATING AND COOLING.
BY FUKUSAWA, P. M. — DDC NR., 251122, CONTRACT NR., AF 19(604)-5965, PROJ/TASK NR., 6698

AFCRL-TN-60-896
GENERAL MILLS, INC.
THE REVERSAL OF STRATOSPHERIC WINDS OVER NORTH AMERICA IN 1957, DECEMBER 1, 1960.
BY BELMONT, A D — DDC NR., 269652, CONTRACT NR., AF 19(604)-6618, PROJ/TASK NR., 8665

AFCRL-TN-60-897
CHICAGO, UNIVERSITY OF
SUDDEN EXPANSION OF THE CORONA FOLLOWING A LARGE SOLAR FLARE AND THE ATTENDANT MAGNETIC FIELD AND COSMIC-RAY EFFECTS, 10 SEP 1960
A[illegible] — DDC NR., 270[illegible], CONTRACT NR., AF 19(604)-6556, PROJ/TASK NR., 8600

AFCRL-TN-60-898
AMERICAN SCIENCE AND ENGINEERING, INC.
TIME-DEPENDENCE OF NEUTRON THERMALIZATION, JANUARY 29, 1960
BY CARPENTER, J W — DDC NR., CONTRACT NR., AF 19(604)-5530, PROJ/TASK NR., 7674

AFCRL-TN-60-899
CONVAIR
BALLISTIC MISSILES DEFENSE SYSTEM STUDIES 30 JUNE 1960
BY — DDC NR., 269361, CONTRACT NR., AF 19(604)-5554, PROJ/TASK NR., 5041

AFCRL-TN-60-967
CONVAIR
(U) ROCKET PLUME RADIATION STUDIES, 31 DECEMBER 1960 SECRET
BY — DDC NR., 272010, CONTRACT NR., AF 19(604)-5554, PROJ/TASK NR., 5041

AFCRL-TN-60-968
AMERICAN METEOROLOGICAL SOCIETY
THE APPEARANCE OF UNDERWATER LANDSLIDES ON THE ECHO TAPE APRIL 1960.
BY MARTYNOV, V T — DDC NR., 251860, CONTRACT NR., AF 19(604)-6119, PROJ/TASK NR., 7670

AFCRL-TN-60-969
GENERAL DYNAMICS
(U) ROCKET PLUME RADIANCE, VOLUME II, CESSATION OF AFTERBURNING, JANUARY 29, 1960.
BY [illegible] — DDC NR., BERLAND, A L — CONTRACT NR., AF 19(604)-5554, BOYNTON, F P — PROJ/TASK NR., 5041

AFCRL-TN-60-969
RADIO CORPORATION OF AMERICA
(U) PLUME MEASUREMENTS, PERIOD COVERING JANUARY 15, 1960 TO JUNE 30, 1960, SECRET
BY PAGE, D A — DDC NR., ELTERMAN, L — CONTRACT NR., AF 19(604)-6624, PROJ/TASK NR., 6904

AFCRL-TN-60-990
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
THE THEORY AND APPLICATION OF THE SCATTERING MATRIX FOR ELECTROMAGNETIC WAVES, AUGUST 1, 1960.
BY TSU, R — DDC NR., 269689, CONTRACT NR., AF 19(604)-6147, PROJ/TASK NR., 6600-66017

AFCRL-TN-60-991
CASE INSTITUTE OF TECHNOLOGY
IMMITTANCE SYNTHESIS THROUGH POLE-ZERO CONFIGURATIONS, JULY 29, 1960.
BY PRATMAN, J. — DDC NR., CONTRACT NR., AF 19(604)-3807, PROJ/TASK NR., 6600-66017

AFCRL-TN-60-992
COMPAGNIE GENERALE DE T. S. F.
A PREPARATION AND STUDY OF COMPOUNDS OF THE II-IV TYPE MIXTURES THEREOF TO DETERMINE USEFUL SEMI-CONDUCTING PROPERTIES APRIL 1 - JUNE 30, 1960.
BY — DDC NR., CONTRACT NR., AF 61(052)-261, PROJ/TASK NR., 6134-66210

AFCRL-TN-60-994
STANFORD UNIVERSITY
RADAR ASTRONOMY, SEPTEMBER 1, 1960.
BY ESHLEMAN V. R. — DDC NR., 261868, CONTRACT NR., AF 19(604)-2199, PROJ/TASK NR., 6603-66033
PETERSON, A. M.

AFCRL-TN-60-995
RADIO CORPORATION OF AMERICA
AN INTEGRATED BINARY ADDER, AUGUST 19, 1960.
BY SZEKELY, M. F. — DDC NR., 266311, CONTRACT NR., AF 19(604)-5541, PROJ/TASK NR., 6612-66121
MARCUS, S. M.
WALLMARK, J. T.

AFCRL-TN-60-996
FRIEDMAN, INC., MORRIS D
FOUR PAPERS ON WAVE PROPAGATION
IZVESTIYA VUZ RADIOFIZIKA, Vs. 2, No. 1959
BY DENISOV, N G — DDC NR., 266801, CONTRACT NR., AF 19(604)-7687, PROJ/TASK NR., 6603-66030
ZVEREV, V A
VILENSKII, I M
ZVEREVA, N A
RAHER, F A
RASS, F G

AFCRL-TN-60-998
STANFORD RESEARCH INSTITUTE
(U) RADAR OBSERVATIONS OF MISSILE LAUNCHINGS JULY 1960 SECRET
BY DOLPHIN JR., L T — DDC NR., LONG, R A — CONTRACT NR., AF 19(604)-5209, PROJ/TASK NR., 6905

AFCRL-TR-60-960
WESTINGHOUSE RESEARCH LABORATORIES
A 100-GB MICROWAVE SEMICONDUCTOR SWITCH, FOURTH QUARTER, AUGUST 26, 1960.
BY FELDMAN, N. W. — DDC NR. 269710
MCAVOY, B. R. — CONTRACT NR. AF 19(604)-5489
PROJ/TASK NR. 4156-66710

AFCRL-TR-60-961
WASHINGTON, UNIVERSITY OF
THE VARIATIONAL METHOD EVALUATION OF SCATTERING OF ELECTROMAGNETIC WAVES BY OBSTACLES, I. THEORY AUGUST 1960.
BY KIELKOWITZ, R. R. — DDC NR. 269867
ISHIMARU, A. — [illegible]
HELD, G. — PROJ/TASK NR. 5630-56300

AFCRL-TR-60-962
ELECTRONIC COMMUNICATIONS, INC.
SURFACE-WAVE PROPAGATION ON A DIELECTRIC ROD OF ELLIPTIC CROSS SECTION AUGUST 1960.
BY KING, R. J. — DDC NR. 269911
WILSON, J. C. — CONTRACT NR. AF 19(604)-5679
PROJ/TASK NR. 4600-46010

AFCRL-TR-60-963
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE PULSED ANALOG SYSTEM FOR EVALUATING CORRELATION FUNCTIONS FOR RADAR AUGUST 8, 1960.
BY APPEL, C. O. — DDC NR. 268634
CONTRACT NR. AF 19(604)-6656
CONTRACT NR. AF 33(616)-6046
PROJ/TASK NR. 4612-46120

AFCRL-TR-60-964
ILLINOIS INSTITUTE OF TECHNOLOGY
(U) METHODS OF DECREASING ATMOSPHERIC IONIZATION. DECEMBER 1, 1960. SECRET
BY SEARS, R. D. — DDC NR. 320515
CONTRACT NR. AF 19(604)-5972
PROJ/TASK NR. 4610-46104

AFCRL-TR-60-965
NATIONAL BUREAU OF STANDARDS
SOME BOUNDARY VALUE PROBLEMS INVOLVING PLASMA MEDIA AUG 1960
BY WAIT, J. R. — DDC NR.
CONTRACT NR. CSO6A 58-60
PROJ/TASK NR.

AFCRL-TR-60-966
AVCO/RAD INC
RECOGNITION OF OBJECTS IN SPACE FROM DYNAMIC TRAJECTORY DATA AUG 1960
BY LEVINE, A. L. — DDC NR.
CONTRACT NR. AF 19(604)-5990
PROJ/TASK NR. 4691

AFCRL-TR-60-967
NEW YORK UNIVERSITY
AN EQUATION FOR THE FIELD AMPLITUDE IN GEOMETRICAL OPTICS, AUGUST 1960.
BY KAY, I. — DDC NR. 269398
CONTRACT NR. AF 19(604)-5695
PROJ/TASK NR. 5630-56304

AFCRL-TR-60-968
BOLT BERANEK AND NEWMAN, INC.
STATISTICAL RECOGNITION FUNCTIONS AND THE DESIGN OF PATTERN RECOGNIZERS, FEBRUARY 1961.
REPRINTED FROM IRE TRANSACTIONS ON ELECTRONIC COMPUTERS, VOL. EC-9, NO. 4, DECEMBER 1960
BY HARTLL, T. — DDC NR. 250859
GREEN, D. M. — CONTRACT NR. AF 19(604)-6692
PROJ/TASK NR. 4691-46910

AFCRL-TR-60-969
STANFORD UNIVERSITY
THE DETECTION OF RADAR ECHOES FROM THE SUN, AUGUST 26, 1960.
BY BARTHLF, R. C. — DDC NR. 269867
CONTRACT NR. AF 19(604)-2189
PROJ/TASK NR. 4603-46039

AFCRL-TR-60-970
PAREF MATHEMATICAL LABS., INC.
FOUNDATIONS FOR A GENERAL THEORY OF BOOLEAN FORMULAS, JULY 1960.
BY RILEY, J. A. — DDC NR. 267515
CONTRACT NR. AF 19(604)-5671
PROJ/TASK NR. 5632-56323

AFCRL-TR-60-971
CALIFORNIA, UNIVERSITY OF
ELECTRON AND PLASMA BEAMS, JUNE 15, 1960.
BY SLOAN, D. M. — DDC NR. 269668
SUSSKIND, C. — CONTRACT NR. AF 19(604)-2270
TRIVELPIECE, A. S. — PROJ/TASK NR. 4606-46914
WOODYARD, J. R.

AFCRL-TR-60-972
STANFORD RESEARCH INSTITUTE
(U) RADAR OBSERVATIONS OF MISSILE LAUNCH EFFECTS JULY 1960 SECRET
BY DOLPHIN JR., L. T. — DDC NR.
LONG, R. A. — CONTRACT NR. AF 19(604)-5209
PROJ/TASK NR. 4089

AFCRL-TR-60-973
NEW YORK UNIVERSITY
THE SHIFT OF THE SHADOW BOUNDARY AND THE SCATTERING CROSS SECTION OF AN OPAQUE OBJECT, SEPTEMBER 1960.
BY BUCHSBAUM, S. J. — DDC NR. 269629
KELLER, J. B. — CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5639-56390

AFCRL-TR-60-974
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS, AUGUST 1960.
BY — DDC NR. 269586
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4610-46101

AFCRL-TR-60-975
TEXAS, UNIVERSITY OF
SINGLE AND DUAL CAVITY MEASUREMENTS OF GROUND AND AIRBORNE INDEX OF REFRACTION FLUCTUATIONS AT 400 MCPS, SEPTEMBER 15, 1960.
BY WALKER, G. R. — DDC NR. 269509
[illegible]
PROJ/TASK NR. 4603-46032

AFCRL-TR-60-976
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS, SEPTEMBER [illegible], 1960.
BY APPLECE, J. H. — DDC NR.
CONTRACT NR. AF 19(604)-6093
PROJ/TASK NR. 4156-46910

AFCRL-TR-60-977
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF RARE-EARTH OXIDE CATHODES, AUGUST 1, 1960.
BY BAKER, J. R. — DDC NR.
GAINES, G. B. — CONTRACT NR. AF 19(604)-5691
PROJ/TASK NR. 4156-46910

AFCRL-TR-60-978
POLYTECHNIC INSTITUTE OF BROOKLYN
ON THE ELECTROMAGNETIC PROPERTIES OF WEDGES AND CONES WITH A LINEARLY VARYING SURFACE IMPEDANCE, APRIL 16, 1960.
BY FELSEN, L. B. — DDC NR. 268396
CONTRACT NR. AF 19(604)-6161
PROJ/TASK NR. 5630-56300

AFCRL-TR-60-979
CORNELL UNIVERSITY
ELECTRON DENSITY FLUCTUATIONS IN A PLASMA, AUGUST 1, 1960.
BY SALPETER, E. E. — DDC NR. 251020
CONTRACT NR. AF 19(604)-6158
PROJ/TASK NR. 4701

AFCRL-TR-60-980
BATTELLE MEMORIAL INSTITUTE
(U) RESEARCH ON RADAR CAMOUFLAGE MATERIALS AND TECHNIQUES, JULY 31, 1960, SECRET
BY FALKENBACH, G. J. — DDC NR. 319706
RIFE, W. F. — CONTRACT NR. AF 19(604)-5066
STUTZ D. E. — PROJ/TASK NR. 6268-456024
COMPTON, JR., R. T.

AFCRL-TR-60-981
CENTRO DI STUDIO PER LA FISICA D-MICROONDE ITALY
ON METEOR ABLATION IN THE ATMOSPHERE MAR 1960
BY VERNIANI, F. — DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASK NR. 5630

AFCRL-TR-60-982
SIEGEL, S. P. A <BOMF>
PROPAGATION CHARACTERISTICS OF A MAGNETOIONIC DUCT, MARCH 31, 1960.
BY FORMATO, I. D. — DDC NR.
GILARDINI, I. A. — CONTRACT NR. AF 61(052)-165
PROJ/TASK NR. 5630

AFCRL-TR-60-983
SIEGEL, S. ,P.A.<BOMF>
MICROWAVE INVESTIGATION OF THE DIELECTRIC WAVEGUIDE PROPAGATION BY MAGNETO-IONIC DUCTS APRIL 30, 1960.
BY FORMATO, I. D. — DDC NR. 269028
GILARDINI, I. A. — CONTRACT NR. AF 61(052)-165
PROJ/TASK NR. 5630

AFCRL-TR-60-984
DENMARK, TECHNICAL UNIVERISTY OF
COMPARISON OF E-FIELD LOSSES AND H-FIELD LOSSES FOR LOW FREQUENCY ANTENNAS WITH GROUND WIRE SYSTEMS, MARCH 1960.
BY LARSEN, T. — DDC NR. 251031
CONTRACT NR. AF 61(052)-919
PROJ/TASK NR. 4600-46009

AFCRL-TR-60-985
FRIEDMAN, INC., MORRIS D
ON THE THEORY OF RELATIVISTIC SPHERICAL FUNCTIONS, N/DC(1960)
REPRINTED FROM NOVSH., PIZ. - MATEM. NAUK, 82, 1959, PP. 95-97
BY ESKIN, L. D. — DDC NR.
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-TR-60-986
FRIEDMAN, INC., MORRIS D
INFLUENCE OF A MAGNETIC FIELD ON THE STABILITY OF THE FLOW OF A CONDUCTING FLUID, SEPTEMBER 1960.
REPRINTED FROM VOPR. MAGN. GIDRODIN. I DIN. PLAZMY, AN LATVSSR PRESS, RIGA, 1959, PP. 69-93
BY VELIKHOV, E. P. — DDC NR. 266925
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46011

AFCRL-TR-60-987
FRIEDMAN, INC., MORRIS D
ELECTROMAGNETIC WAVE DIFFRACTION IN A GYROTROPIC LAYER CONTAINING RANDOM INHOMOGENEITIES, SEPTEMBER 1960.
REPRINTED FROM IZVESTIYA VUZ. RADIOFIZIKA, V. 3, 03, 1960, PP. 503-604
BY DENISOV, N. G. — DDC NR. 266800
CONTRACT NR. AF 19 (604)-7307
PROJ/TASK NR. 4603-46010

AFCRL-TN-60-988
POLYTECHNIC INSTITUTE OF BROOKLYN
MICROWAVE PROBING OF A MEDIUM DENSITY HYDROGEN PLASMA
MAY 31, 1960.
BY ETTENBERG, M. DOC NR.
MENTZONI, M CONTRACT NR. AF 19(604)-6163
TAMIR, T. PROJ/TASK NR. 5630-56300

AFCRL-TN-60-989
HARVARD UNIVERSITY
THE TRAVELING-WAVE LINEAR ANTENNA, MAY 5, 1960.
BY ALTSCHULER, P. P. DOC NR. 265662
[illegible] CONTRACT NR. [illegible]
PROJ/TASK NR. 5631-56310

AFCRL-TN-60-990
SYLVANIA ELECTRIC PRODUCTS, INC.
THE NONLINEAR INTERACTION OF AN ELECTROMAGNETIC
WAVE WITH AN ANISOTROPIC PLASMA LAYER, PART I, THEORY OF
HARMONIC GENERATION, AUGUST 30, 1960.
BY WHITMER R. F. DOC NR.
BARRETT, F. B. CONTRACT NR. AF 19(604)-6089
PROJ/TASK NR. 6156-66310

AFCRL-TN-60-991
ADVANCED KINETICS
STUDY OF CONDITIONS IN HIGH TEMPERATURE NON-EQUILIBRIUM
PLASMA CONFIGURATIONS
BY WARNER, D W DOC NR. 267345
CONTRACT NR. AF 19(604)-7963
PROJ/TASK NR. 5634-56340

AFCRL-TN-60-992
STANFORD RESEARCH INSTITUTE
<US> SUMMARY OF ACANIA RADAR OBSERVATIONS OF BALLISTIC
MISSILE LAUNCH, AUGUST 1960, SECRET
BY DOLPHIN, JR., L. T. DOC NR.
LONG, R. A. CONTRACT NR. AF 19(604)-5709
PROJ/TASK NR. 4989

AFCRL-TN-60-993
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION
PROCESSES, PERIOD COVERING APRIL 1, 1960 - JUNE 30, 1960.
AUGUST 1, 1960.
BY DOC NR. 267123
CONTRACT NR. AF 19(604)-7206
PROJ/TASK NR. 6619-66190

AFCRL-TN-60-994
BROWN UNIVERSITY
THE EFFECT OF AN ALTERNATING ELECTRIC FIELD ON ELECTRON
FLOW IN AN INHOMOGENEOUS PLASMA, AUGUST 1960.
BY WEIZEL, L. DOC NR. 269206
CONTRACT NR. AF 19(604)-6961
PROJ/TASK NR. 5631-56310

AFCRL-TN-60-995
SYRACUSE UNIVERSITY
THE REPRESENTATION OF NON-LINEAR NETWORKS AUGUST 1960.
BY BLACKMAN, J. DOC NR. 269031
CONTRACT NR. AF 19(604)-6162
PROJ/TASK NR. 5632-56323

AFCRL-TN-60-996
U.S. NAVAL RESEARCH LABORATORY
PARASITIC SPIRAL ARRAYS, AUGUST 15, 1960
BY BROWN, JR., R M DOC NR.
DODSON, B C CONTRACT NR. NIPR-59-716
PROJ/TASK NR.

AFCRL-TN-60-997
STANFORD RESEARCH INSTITUTE
THEORETICAL LIMITATIONS ON THE BROADBANDING POTENTIAL OF
ANTENNAS, WITH APPLICATION TO CAVITY BACKED SLOTS AND OTHER
ANTENNAS, AUGUST 1960.
BY VASSILIADIS A. DOC NR. 266316
TANNER, R. L. CONTRACT NR. AF 19(604)-5658
PROJ/TASK NR. 6600-66007
PROJ/TASK NR. 5630-56300

AFCRL-TN-60-998
STANFORD UNIVERSITY
INVESTIGATION OF MICROWAVE PROPERTIES OF PLASMAS,
AUGUST 1960.
BY CHODOROW, M. DOC NR. 266236
CONTRACT NR. AF 19(604)-5226
PROJ/TASK NR. 5561-66304

AFCRL-TN-60-999
STANFORD UNIVERSITY
NUMERICAL SOLUTIONS TO THE SPACE-CHARGE LIMITED FLOW
OBTAINED BY THE SEPARATION OF VARIABLES METHOD,
AUGUST 1960.
BY KIRSTEIN, P. T. DOC NR. 267902
KANTOR R. CONTRACT NR. AF 19(604)-1990
SZEGO, J. PROJ/TASK NR. 6619-66191

AFCRL-TN-60-1100
CALIFORNIA, UNIVERSITY OF
REFRACTION AND MODULATION OF ELECTRON BEAM FROM PHILIPS
ION GAGE, AUGUST 31, 1960.
BY LINDGREN, R. F. DOC NR. 267632
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 6606-66016

AFCRL-TN-60-1101
NEW YORK UNIVERSITY
AN OPTIMIZATION PROCEDURE FOR A SINGLE-LINK UNIDIRECTIONAL
DIGITAL COMMUNICATION SYSTEM IN THE PRESENCE OF ADDITIVE
GAUSSIAN NOISE AND FOR DETECTION INDEPENDENT OF FADING,
SEPTEMBER 15, 1960.
BY KURZ, L DOC NR. 250210
CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 6610-66102

AFCRL-TN-60-1102
NORTHEASTERN UNIVERSITY
CAPACITY OF 2-2, 2-3 AND 3-3 CHANNELS, SEPTEMBER 27, 1960.
BY CHANG S. H. DOC NR. 268072
REID, E. CONTRACT NR. AF 19(604)-3093
PROJ/TASK NR. 6609-66091

AFCRL-TN-60-1103
RAYTHEON COMPANY
BETA SILICON CARBIDE SEPTEMBER 19, 1960.
BY WARSCHAUER, D M DOC NR.
CONTRACT NR. AF 19(604)-6139
PROJ/TASK NR. 6600-66008

AFCRL-TN-60-1104
HUGHES AIRCRAFT CO.
EQUIVALENCE BETWEEN CONTINUOUS AND DISCRETE ARRAYS
APRIL 15, 1960.
BY ESTENSEN, A. DOC NR. 269667
CONTRACT NR. AF 19(604)-5500
PROJ/TASK NR. 6619

AFCRL-TN-60-1105
AERO GEO ASTRO CORPORATION
A BROAD-BAND OMNIDIRECTIONAL ANTENNA FEED FOR DUAL
POLARIZATION, SEPTEMBER 26, 1960.
BY BOWIE, D. M. DOC NR.
GROSS, B. M. CONTRACT NR. AF 19(604)-5481
PROJ/TASK NR. 6616-66160

AFCRL-TN-60-1106
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF METHODS OF SCANNING THE BEAMS OF LARGE
ANTENNAS, SEPTEMBER 1960.
BY GABRIEL W. F. DOC NR. 266455
ANDREASEN, M. G. CONTRACT NR. AF 19(604)-2260
PROJ/TASK NR. 6560-66312

AFCRL-TN-60-1107
STANFORD RESEARCH INSTITUTE
A STUDY OF CORONA DISCHARGE NOISE IN AIRCRAFT ANTENNAS,
AUGUST 1960.
BY VASSILIADIS, A. DOC NR. 269178
CONTRACT NR. AF 19(604)-5658
PROJ/TASK NR. 6600-66007
PROJ/TASK NR. 5630-56300

AFCRL-TN-60-1108
MONTANA STATE COLLEGE
ITERATIVE SWITCHING NETWORKS COMPOSED OF COMBINATIONAL
CELLS, DECEMBER 1, 1960.
BY KILMER, W DOC NR. 259612
CONTRACT NR. AF 19(604)-6619
PROJ/TASK NR. 5632-56321

AFCRL-TN-60-1109
PARKE MATHEMATICAL LABORATORIES, INC.
ON THE EVALUATION OF FEYNMAN PATH INTEGRALS, SEPTEMBER 1960
BY EDDOGAN, P DOC NR. 266923
CONTRACT NR. AF 19(604)-7916
PROJ/TASK NR. 6600-66006

AFCRL-TN-60-1110
BOLT BERANEK AND NEWMAN INC.
COMPUTATIONAL CHAINS, OCTOBER 21, 1960.
BY MARILL, T DOC NR. 266993
EVANS, T G CONTRACT NR. AF 19(604)-7290
PROJ/TASK NR. 5632-56322

AFCRL-TN-60-1111
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A PULSED ANALOG AND DIGITAL COMPUTER FOR FUNCTION
GENERATION, OCTOBER 1960 .
BY BIRSACK, J H DOC NR. 251005
CONTRACT NR. AF 19(604)-6654
PROJ/TASK NR. 6612-66120

AFCRL-TN-60-1112
POLYTECHNIC INSTITUTE OF BROOKLYN
ON THE FACTORIZATION OF RATIONAL MATRICES,
SEPTEMBER 20, 1960.
BY YOULA, D. C. DOC NR.
CONTRACT NR. AF 19(604)-6161
PROJ/TASK NR. 5630-56300

AFCRL-TN-60-1113
TEXAS UNIVERSITY OF
SOLAR EMISSION AND ATMOSPHERIC ATTENUATION BETWEEN THE
FREQUENCIES OF 10 AND 114 KMCS, OCTOBER 20, 1960.
BY TOLBERT, C. W. DOC NR. 269059
KRAUSE L. C. CONTRACT NR. AF 19(604)-2260
BANN, W. W. PROJ/TASK NR. 6601-66012

AFCRL-TN-60-1114
MELPAR, INC.
VOICE DATA PROCESSING SYSTEM, SEPTEMBER 15, 1960.
BY SCHOENE, JR., L. P. DOC NR. 267128
CONTRACT NR. AF 19(604)-5579
PROJ/TASK NR. 6610-66102

AFCRL-TN-60-1115
BOLT BERANEK AND NEWMAN INC.
EQUIVALENT NETWORKS, NOVEMBER 29, 1960.
BY THORNTON, B C DOC NR. 266910
CONTRACT NR. AF 19(604)-7290
PROJ/TASK NR. 5632-56322

AFCRL-TN-60-1116
NEW YORK UNIVERSITY
AN OPTIMIZATION PROCEDURE FOR A SINGLE-LINK UNIDIRECTIONAL
COMMUNICATION SYSTEM IN THE PRESENCE OF ADDITIVE GAUSSIAN
AND IMPULSIVE NOISE AND FOR DETECTION INDEPENDENT OF
FADING, SEPTEMBER 30, 1960.
BY KURZ, L DOC NR. 250211
CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 6610-66102

AFCRL-TN-60-1117
WASHINGTON, UNIVERSITY OF
SINUSOIDALLY MODULATED WAVE GUIDES FOR TRAVELING-WAVE ANTENNAS, SEPTEMBER 1950.
BY ISHIMARU, A. DDC NR. 248999
CONTRACT NR. AF 19(604)-4098
PROJ/TASK NR. 5630-56300

AFCRL-TN-60-1118
PARKE MATHEMATICAL LABS., INC.
AN EXTENSION OF KAUTZS WORK ON ERROR-CORRECTING CODES, SEPTEMBER 1960.
BY HAEFELI H. G. DDC NR. 248307
CONTRACT NR. AF 19(604)-3671
PROJ/TASK NR. 5632-56323

AFCRL-TN-60-1119
QUEENSLAND, UNIVERSITY OF (AUSTRALIA)
A HIGHLY DIRECTIVE ROTATING ARRAY FOR THE OBSERVATION OF FIELD-ALIGNED IRREGULARITIES, SEPTEMBER 1960.
BY THOMAS, J A DDC NR. 252605
MCRICOL, R W E CONTRACT NR. AF 61(500)-9
PROJ/TASK NR. 4618

AFCRL-TN-60-1120
STANFORD UNIVERSITY
SOME EXPERIMENTS WITH A NEW TYPE OF CROSSED-FIELD GUN, AUGUST 1960.
BY MIDFORD T. A. DDC NR. 247593
KINO, G. S. CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-TN-60-1121
HUGHES AIRCRAFT CO.
STRIP MAPPING BENEATH AIRBORNE RECONNAISSANCE VEHICLE, MAY 1960.
BY BULLOCK D. L. DDC NR. 247285
PRICE, O. R. CONTRACT NR. AF 19(604)-3508
PROJ/TASK NR. 4615

AFCRL-TN-60-1122
GENERAL ELECTRIC COMPANY
ELECTRON INDUCED RADIATION DAMAGE IN PURE METALS, DECEMBER 1960.
BY WALKER, R. M. DDC NR. 249348
CONTRACT NR. AF 19(604)-5557
PROJ/TASK NR. 4608-46085
PROJ/TASK NR. 5620-56206

AFCRL-TN-60-1123
NAVAL RESEARCH LABORATORY
A SPIRAL-GRATING ARRAY, AUGUST 23, 1960.
BY DONNELLAN, J R DDC NR.
CLOSE, R T CONTRACT NR. MIPR-59-714
PROJ/TASK NR. 3744

AFCRL-TN-60-1124
ADVANCED KINETICS, INC.
PRODUCTION OF MILLIMETER AND SUB-MILLIMETER ELECTROMAGNETIC WAVES BY THE INTERACTION OF PLASMA AND ELECTRON BEAMS WITH HIGH-INTENSITY PULSED MAGNETS, PERIOD COVERING JULY 15 - OCTOBER 15, 1960
BY WANIEK, R W DDC NR. 248330
CONTRACT NR. AF 19(604)-7406
PROJ/TASK NR. 5561-46304

AFCRL-TN-60-112511
GENERAL ELECTRIC CO.
A DETAILED DESIGN STUDY FOR A TOPSIDE IONOSPHERIC SOUNDER VOLUME I, SEPTEMBER 15, 1960.
BY HUMPHREY, L C DDC NR. 246230
CONTRACT NR. AF 19(604)-7221
PROJ/TASK NR. 5561-46304

AFCRL-TN-60-112511
GENERAL ELECTRIC CO.
A DETAILED DESIGN STUDY FOR A TOPSIDE IONOSPHERIC SOUNDER, VOLUME II, OCTOBER 15, 1960.
BY HUMPHREY, L C DDC NR. 247284
CONTRACT NR. AF 19(604)-7221
PROJ/TASK NR. 5561-46305

AFCRL-TN-60-1126
CALIFORNIA, UNIVERSITY OF
PRODUCTION AND INTERACTIONS OF ELECTRON BEAMS IN CROSSED FIELDS, OCTOBER 31, 1960.
BY HARTMAN, C. W. DDC NR.
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 4506-46314

AFCRL-TN-60-1127
CASE INSTITUTE OF TECHNOLOGY
ELECTRIC ANISOTROPIC PROPERTIES OF THE METALLIC-STRIP TYPE PERIODIC MEDIUM, OCTOBER 30, 1960.
BY KOLETTIS, N. J. DDC NR. 247425
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1128
FRIEDMAN, INC., MORRIS D
ZEROES OF HANKEL FUNCTIONS AND SOME RELATED FUNCTIONS, OCTOBER 1960.
REPRINTED FROM TRUDY, MATH. INST. AN USSR, NO. 53, 1959 PP. 186-192
BY KUALANOVSKAIA, V. N. DDC NR. 247212
SMIRNOVA, T. N. CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1129
FRIEDMAN, INC., MORRIS D
SIMILARITY AND PHYSICAL SIMULATION METHODS IN INVESTIGATION OF ELECTROMAGNETIC PROCESSES IN LIQUID METALS, OCTOBER 1960.
REPRINTED FROM VOPR. MAGN. GIDRODIN. I DIN. PLAZMY, AN LATVSSR PRESS, 1959, PP. 202-213
BY KIRKO, I. M. DDC NR. 247213
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1130
RADIO CORPORATION OF AMERICA
RESEARCH AND DEVELOPMENT ON SEMICONDUCTOR PARAMETRIC AMPLIFIERS, PERIOD COVERING JANUARY 1, 1959 TO AUGUST 31, 1960, AUGUST 31, 1960.
BY CHANG, K. K. N. DDC NR.
PRAGER, H. J. CONTRACT NR. AF 19(604)-4980
HEILMEIER, G. H. PROJ/TASK NR. 4645
STOCKER, C. F.

AFCRL-TN-60-1131
PARKE MATHEMATICAL LABORATORIES, INC.
DIFFERENTIAL GEOMETRY AND LAGRANGIAN METHODS IN QUANTUM MECHANICS, OCTOBER 1960.
BY PARKE, III, N G DDC NR. 248665
CONTRACT NR. AF 19(604)-7316
PROJ/TASK NR. 4608-46086

AFCRL-TN-60-1132
GENERAL ELECTRIC COMPANY
LUNAR TRAJECTORY STUDIES AND AN APPLICATION TO LUNIK III TRAJECTORY PREDICTION, JULY 1960.
BY JURKEVICH, P. I. DDC NR. 255000
PETTY, A. CONTRACT NR. AF 19(604)-5863
PROJ/TASK NR. 5632-56321

AFCRL-TN-60-1133
LOCKHEED ELECTRONICS CO.
EXPERIMENTAL DATA PROCESSING EQUIPMENT, INTERIM SCIENTIFIC REPORT NOVEMBER 1960.
BY WOODRUFF, M W DDC NR. 246117
CONTRACT NR. AF 19(604)-6104
PROJ/TASK NR. 4690-46902

AFCRL-TN-60-1134
PLESSET ASSOCIATES, INC.
THE USE OF RADAR AS AN IONOSPHERIC PROBE, OCTOBER 11, 1960.
BY RICHEY, F DDC NR. 247766
WEHNER, R S CONTRACT NR. AF 19(604)-6187
PROJ/TASK NR. 4618-46181

AFCRL-TN-60-1135
BROWN UNIVERSITY
INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER SEMICONDUCTORS, OCTOBER 1960.
BY FARNSWORTH, H. E. DDC NR.
HANEMAN, D. CONTRACT NR. AF 19(604)-5986
MARGONINSKI, Y. PROJ/TASK NR. 5621-56210
DILLON, JR., J. A.
OMAN, R. M.

AFCRL-TN-60-1136
SINDEL, S.P.A.
MICROWAVE DETERMINATION OF AFTERGLOW TEMPERATURES AND ELECTRON COLLISION FREQUENCIES IN NITROGEN, APRIL 30, 1960.
BY FORMATO, I D DDC NR. 248685
GILARDINI, I A CONTRACT NR. AF 61(052)-39
PROJ/TASK NR. 7776

AFCRL-TN-60-1137
CHALMERS UNIVERSITY OF TECHNOLOGY
RESEARCH NOTES COMMUNICATED AT THE RADIO SCIENTIFIC CONFERENCE IN STOCKHOLM, FEBRUARY 29 - MARCH 2, 1960., 1960.
BY DDC NR. 251560
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5630

AFCRL-TN-60-1138
CHALMERS UNIVERISTY OF TECHNOLOGY
ON THE GEOMETRICAL THEORY OF DIFFRACTION WITH APPLICATION TO THE ELECTRON BEAM, 1960.
BY WILHELMSSON, K H R DDC NR. 251561
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5630

AFCRL-TN-60-1139
CASE INSTITUTE OF TECHNOLOGY
A BOUNDED SOLUTION TO A LINEAR DIFFERENTIAL EQUATION WITH A TIME-VARYING COEFFICIENT, OCTOBER 30, 1960.
BY HASKAL, H. DDC NR. 248954
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1141A
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, SEPTEMBER 19, 1960.
BY HALL, R N DDC NR. 248899
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

AFCRL-TN-60-1141B
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, OCTOBER 1960.
BY HOLONYAK, JR. N DDC NR. 249324
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

AFCRL-TN-60-1142
FRANKLIN INSTITUTE
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS, OCTOBER 15, 1960.
BY DANFORTH, W. F. DDC NR. 248947
CONTRACT NR. AF 19(604)-3904
PROJ/TASK NR. 4156-46810

AFCRL-TN-60-1143
WASHINGTON, UNIVERSITY OF
CLOSED FORM ANALYSIS FOR THE RADIATION PATTERN OF THE MODULATED ANTENNA, NOVEMBER 1960.
BY BERNARD G. D. DDC NR. 251531
ISHIMARU, A. CONTRACT NR. AF 19(604)-4098
PROJ/TASK NR. 5630-56300

AFCRL-TN-60-1144
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES. PERIOD COVERING JULY 1, 1960 TO SEPTEMBER 30, 1960. OCTOBER 31, 1960.
BY BLOOM, L R — DDC NR. 249638
BARTELS, B — CONTRACT NR. AF 19(604)-7286
SEIGLE, L — PROJ/TASK NR. 4619-46190
POLANYI, T G
WALLACE, R A
SANDOR, A
WOLF, R
HAES, G
SPIVAK, J
MORRISON, G H

AFCRL-TN-60-1145
RAYTHEON COMPANY
(U) HF RADAR OBSERVATIONS OF MISSILE LAUNCHES.
OCTOBER 31, 1960. SECRET
BY EDWARDS, L. C. — DDC NR. 320777
THOME, G. D. — CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR. 4649-46494

AFCRL-TN-60-1146
FRIEDMAN, INC., MORRIS D
FLOW OF A HIGHLY HEAT-CONDUCTIVE GAS IN THE NEIGHBORHOOD OF THE CRITICAL POINT OF A BLUNT BODY. NOVEMBER 1960.
REPRINTED FROM PRIKL. MEKH. I TEKHN. FIZ., VOL. 1, #1, 1960. PP. 138-141)
BY KLIMOV, A. M. — DDC NR. 247214
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRC-TN-60-1147
RADIO CORPORATION OF AMERICA
DESIGN AND STUDY OF CORRELATION INSTRUMENTATION FOR SPEECH ANALYSIS AND SYNTHESIS OCTOBER 15, 1960.
BY MCEVOY, J P — DDC NR. 252997
HOGER, D T — CONTRACT NR. AF 19(604)-6151
STROWRACK, A D — PROJ/TASK NR. 4610-46102
MOORE, E E

AFCRL-TN-60-1148
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH. OCTOBER 31, 1960.
BY BLANC, J. — DDC NR. 249599
BUBE, R. — CONTRACT NR. AF 19(604)-6152
EKSTROM, L — PROJ/TASK NR. 4608-46088
FLICKER, H
GOLD, R D
GOLDSTEIN, B
GUIRE, R
HERKART, P G
LIEBMANN, W
LOEBNER, E E

AFCRL-TN-60-1149
NEW YORK UNIVERSITY
WAVE PROPAGATION IN RANDOM MEDIA. NOVEMBER 1960.
BY KELLER, J. B. — DDC NR. 254972
CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5635-56350

AFCRL-TN-60-1150
FRIEDMAN, INC., MORRIS D
ON THE QUESTION OF LIGHT SCATTERING BY A PLASMA. NOVEMBER 1960.
REPRINTED FROM IZVESTIIA AN UZBSSR. FIZ-MATE. NAUK. NO. 4, 1960. PP. 89-92
BY AVAKIANTS, G. M. — DDC NR. 251770
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1152
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF RARE-EARTH OXIDE CATHODES. NOVEMBER 1, 1960.
BY BAKER, J. R. — DDC NR. 248616
GAINES, G. B. — CONTRACT NR. AF 19(604)-5691
PROJ/TASK NR. 4619-46190

AFCRL-TN-60-1153
PLESSET ASSOCIATES, INC.
COLLISION CROSS SECTIONS. THEORY AND PRACTICE. FORMAL THEORY FOR DISTINGUISHABLE SPINLESS PARTICLES. OCTOBER 17, 1960.
BY GERJUOY, E — DDC NR. 247763
CONTRACT NR. AF 19(604)-6187
PROJ/TASK NR. 4618-46181

AFCRL-TN-60-1154
MINNESOTA, UNIVERSITY OF
STUDIES ON BASE NICKELS FOR OXIDE-COATED CATHODES. PERIOD COVERING APRIL 15, 1960 TO JULY 15, 1960.
BY ANDERSON, D. E. — DDC NR. 250478
CONTRACT NR. AF 19(604)-3890
PROJ/TASK NR. 5630-56307

AFCRL-TN-60-1155
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS NOVEMBER 29, 1960.
BY AFFLECK, J. H. — DDC NR. 248350
CONTRACT NR. AF 19(604)-4093
PROJ/TASK NR. 4156-46310

AFCRL-TN-60-1156
MELPAR, INC.
(U) STUDIES ON OPTIMUM STRUCTURES FOR HARDENED ANTENNA SITES. NOVEMBER 1960. SECRET RD
BY TAYLOR, P F — DDC NR.
LANGSTON, L R — CONTRACT NR. AF 19(604)-7357
TUTTLE, L P — PROJ/TASK NR. 4506-46313
JONES, S R

AFCRL-TN-60-1157
ELECTRONIC COMMUNICATIONS, INC.
QUASI-OPTICAL COMPONENTS AND SURFACE WAVE-GUIDES FOR THE 100 TO 300 KMC FREQUENCY RANGE. NOVEMBER 1960.
BY KING, M. J. — DDC NR. 249822
RODGERS, J. D. — CONTRACT NR. AF 19(604)-5475
SOBEL, F. — PROJ/TASK NR. 4600-46016
WENTWORTH, F.
WILTSE, J. C.

AFCRL-TN-60-1158
POLYTECHNIC INSTITUTE OF BROOKLYN
LEAKY WAVE CONTRIBUTIONS TO THE FIELD OF AN ELECTRIC LINE SOURCE ABOVE A PLASMA SLAB. NOVEMBER 9, 1960.
BY TAMIR, T. — DDC NR. 252728
CONTRACT NR. AF 19(604)-2031
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1160
STANFORD UNIVERSITY
RESISTANCE AS DISSIPATION INTO MANY REACTIVE CIRCUITS LANDAU DAMPING AND NYQUISTS NOISE THEOREM. NOVEMBER 23, 1960.
BY BUNEMAN, O. — DDC NR. 250248
CONTRACT NR. AF 19(604)-5480
PROJ/TASK NR. 5634-56342

AFCRL-TN-60-1161
CORNELL UNIVERSITY
RANGE, DECLINATION, AND DOPPLER-SHIFT CALCULATIONS FOR AN INTERPLANETARY RADAR. JUNE 30, 1960.
BY LALONDE, L M — DDC NR. 250477
CONTRACT NR. AF 19(604)-6158
PROJ/TASK NR. 4781

AFCRL-TN-60-1162
AVCO CORPORATION
RESEARCH CONCERNING FORECASTING ANOMALOUS PROPAGATION AT HIGH LATITUDES. NOVEMBER 1960.
BY PENNDORF, R. R. — DDC NR. 250899
CONTRACT NR. AF 19(604)-4092
PROJ/TASK NR. 4603-46035

AFCRL-TN-60-1163
AVCO CORPORATION
CLASSIFICATION OF SPREAD-F IONOGRAMS.
REPR. FR. J. OF ATMOS. AND TERRES. PHYSICS. 1962. VOL. 24. PP. 771-778
BY PENNDORF, R. — DDC NR.
CONTRACT NR. AF 19(604)-4092
PROJ/TASK NR. 4603-460304

AFCRL-TN-60-1163
DENMARK, TECHNICAL UNIVERSITY OF
A SURVEY OF THE THEORY OF WIRE GRIDS. JUNE 1960.
BY LARSEN, T — DDC NR. 251599
CONTRACT NR. AF 61(052)-319
PROJ/TASK NR. 4600-46009

AFCRL-TN-60-1164
STANFORD UNIVERSITY
DENSITY FLUCTUATIONS IN A PLASMA IN A MAGNETIC FIELD. WITH APPLICATIONS TO THE IONOSPHERE. DECEMBER 9, 1960.
BY HAGFORS, T — DDC NR. 248647
CONTRACT NR. AF 19(604)-7436
PROJ/TASK NR. 4603-46037

AFCRL-TN-60-1165
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS. NOVEMBER 1960.
BY CHODOROW, M. — DDC NR.
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-TN-60-1166
TRANSISTOR APPLICATIONS, INC.
RESEARCH DIRECTED TOWARD THE STUDY OF LINEAR AMPLIFICATION USING SWITCHES. JULY 1960.
BY CARLSON, A. W. — DDC NR. 258135
CONTRACT NR. AF 19(604)-4089
PROJ/TASK NR. 4610-46105

AFCRL-TN-60-1168
HUGHES AIRCRAFT CO.
A METHOD FOR SYNTHESIS OF OPTIMUM DIRECTIONAL PATTERNS FROM NONPLANAR APERTURES. SEPTEMBER 1960.
BY HARRIS J. H. — DDC NR. 250938
SHANKS, H. E. — CONTRACT NR. AF 19(604)-3508
PROJ/TASK NR. 4615

AFCRL-TN-60-1169
CASE INSTITUTE OF TECHNOLOGY
A NOTE ON WAVEGUIDE IMAGE TECHNIQUES. NOVEMBER 30, 1960.
BY COLLIN, R. E. — DDC NR. 250931
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 4600-46017

AFCRL-TN-60-1170
NEW YORK UNIVERSITY
THE INVERSE PROBLEM IN THE QUANTUM THEORY OF SCATTERING. TRANSLATED FROM THE RUSSIAN DECEMBER 1960.
BY FADDEYEV, L. D. — DDC NR.
SECKLER, B. — CONTRACT NR. AF 19(604)-3495
PROJ/TASK NR. 5630-56304

AFCRL-TN-60-1171
CALIFORNIA, UNIVERSITY OF
PONTRIAGINS MAXIMUM PRINCIPLE AND THE PRINCIPLE OF OPTIMALITY. NOVEMBER 11, 1960.
BY DESOER, C. A. — DDC NR. 259260
CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 4612-46120

AFCRL-TN-60-1172
COMPAGNIE GENERALE DE T.S.F.
A PREPARATION AND STUDY OF COMPOUNDS OF THE II-IV TYPE AND MIXTURES THEREOF TO DETERMINE USEFUL SEMI-CONDUCTING PROPERTIES. JULY 1 - SEPTEMBER 30, 1960.
BY — DDC NR.
CONTRACT NR. AF 61(052)-243
PROJ/TASK NR. 4608-46088

AFCRL-TR-60-1175
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ANTENNA TECHNIQUES AND DEVICES. (1960)
BY — DDC NR. 252598L

AFCRL-TR-60-1176
WESTINGHOUSE RESEARCH LABORATORIES
CROSS-DOPING AGENTS FOR RUTILE MASERS. SEPTEMBER 1960.
BY CHESTER, P. F. — DDC NR. 251291; CONTRACT NR. AF 19(604)-5509; PROJ/TASK NR. 4156-66210

AFCRL-TR-60-1179
WESTINGHOUSE RESEARCH LABORATORIES
ELECTRON SPIN-LATTICE RELAXATION OF CHROMIUM IN MGO. AUGUST 1960.
BY CASTLE, JR., J G; FELDMAN, D. W. — DDC NR. 251290; CONTRACT NR. AF 19(604)-5509; PROJ/TASK NR. 4156-66210

AFCRL-TR-60-1176
NATIONAL BUREAU OF STANDARDS
ON THE THEORY OF WIRED-PATH GROUND-WAVE PROPAGATION ON SPHERICAL EARTH. DECEMBER 19, 1960.
BY WAIT, J R — DDC NR. 248192; CONTRACT NR. CSNSA 60-60; PROJ/TASK NR.

AFCRL-TR-60-1177
POLYTECHNIC INSTITUTE OF BROOKLYN
AMBIT REALIZATION OF CUT-SET MATRICES INTO GRAPHS. NOVEMBER 21, 1960.
BY OKADA, S; YOUNG, E P — DDC NR. 256650; CONTRACT NR. AF 19(604)-6620; PROJ/TASK NR. 9632-56929

AFCRL-TR-60-1178
HUGHES AIRCRAFT CO.
INTERPOLATION TECHNIQUES APPLIED TO PATTERN SYNTHESIS. OCTOBER 10, 1960.
BY ESTRABEL, A. — DDC NR. 250937; CONTRACT NR. AF 19(604)-5508; PROJ/TASK NR. 6619

AFCRL-TR-60-1179
CORNELL UNIVERSITY
CONSTRUCTION OF THE DEPARTMENT OF DEFENSE IONOSPHERIC RESEARCH FACILITY, DECEMBER 31, 1960.
BY — DDC NR. ; CONTRACT NR. AF 19(604)-6198; PROJ/TASK NR. 6781

AFCRL-TR-60-1181
COLORADO, UNIVERSITY OF
LOW FREQUENCY SOLAR BURSTS AND NOISE STORMS, BACKSCATTER OF COSMIC RAYS BY THE SUNS HII SPHERE, RELATION OF JUPITERS EMISSION AT LONG WAVELENGTHS TO SOLAR ACTIVITY. JANUARY 1961.
APPD, FD, ASTRONAUTICAL JOURN, V. 131, #1, JAN 60
BY BOISCHOT, A.; LEE R. H.; WARWICK, J. W.; WEINER, A. A. — DDC NR. 251131; CONTRACT NR. AF 19(604)-3872; PROJ/TASK NR. 9630-56902

AFCRL-TR-60-1182
WASHINGTON, UNIVERSITY OF
INFORMATION TRANSMISSION IN DF SYSTEMS WITH MULTI-PATH PROPAGATION. DECEMBER 1960.
BY MCNEELIS, D.; SWARM, H. M. — DDC NR. 256675; CONTRACT NR. AF 19(604)-6098; PROJ/TASK NR. 9630-56900

AFCRL-TR-60-1183
CORNELL AERONAUTICAL LABORATORY, INC.
AN INVESTIGATION OF LUNAR AND AURORAL RADIO ECHOES. SUMMARY SCIENTIFIC REPORT, PERIOD ENDING OCTOBER 19, 1960
BY VAN RIPL, H A — DDC NR. 251032; CONTRACT NR. AF 19(604)-6116; PROJ/TASK NR. 6689-66199

AFCRL-TR-61-119
BOLT BERANEK AND NEWMAN, INC.
TRANSFORMATION RULES AND PROGRAM SIMPLIFICATION FEBRUARY 7, 1961.
BY EVANS, T G — DDC NR. 251083; CONTRACT NR. AF 19(604)-7290; PROJ/TASK NR. 9632-56922

AFCRL-TR-61-200
HARVARD UNIVERSITY
RECENT DEVELOPMENTS IN SOLAR RADIO ASTRONOMY, FEBRUARY 1961.
REPRINTED FROM THE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, VOL. 46, NO. 9, PP. 1200-1209, SEPTEMBER 1960
BY MAXWELL A. — DDC NR. 251027; CONTRACT NR. AF 19(604)-1994; PROJ/TASK NR. 7640

AFCRL-TR-61-201
COLORADO, UNIVERSITY OF
THERMALLY DRIVEN CIRCULATIONS IN A ROTATING FLUID SYSTEM. JANUARY 1961.
BY HAURWITZ, B. — DDC NR. ; CONTRACT NR. AF 19(604)-5488; PROJ/TASK NR. 8600

AFCRL-TR-61-202
ILLINOIS, UNIVERSITY OF
RADAR INVESTIGATIONS OF ILLINOIS HAILSTORMS. JANUARY 19, 1961.
BY WILK, K. E. — CONTRACT NR. AF 19(604)-6060; DDC NR. ; PROJ/TASK NR. 6672

AFCRL-TR-61-203
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
(U) INFRARED SPECTRA OF HIGH ALTITUDE MISSILE PLUMES. JANUARY 1961. SECRET
BY HUNTER, R. F. — DDC NR. 322370; CONTRACT NR. ; PROJ/TASK NR. 6670-66692

AFCRL-TR-61-204
NEW YORK UNIVERSITY
CORRELATION AND QUANTUM CORRECTIONS IN THE THOMAS-FERMI MODEL OF THE ATOM. FEBRUARY 1961.
BY GRAFF, G. A. — DDC NR. 256012; CONTRACT NR. AF 19(604)-6555

AFCRL-TR-61-205
MICHIGAN, UNIVERSITY OF
(U) SEMIANNUAL REPORT OF BALLISTIC MISSILE RADIATION ANALYSIS CENTER, 1 JULY 1960 - 31 DECEMBER 1960. VOLUME I. ANALYSIS, THEORY AND MODELS, JANUARY 1961. SECRET
BY ZISSIS, G J — DDC NR. 321966; CONTRACT NR. AF 19(604)-7350; PROJ/TASK NR. 6906

AFCRL-TR-61-206
MICHIGAN, UNIVERSITY OF
SEMIANNUAL REPORT OF BALLISTIC MISSILE RADIATION ANALYSIS CENTER 1 JULY 1960 - 31 DECEMBER 1960. VOLUME II. BALLISTIC MISSILE RADIATION MEASUREMENT RESUME II. JANUARY 1961.
BY ZISSIS, G J — DDC NR. 321967; CONTRACT NR. AF 19(604)-7350; PROJ/TASK NR. 6906

AFCRL-TR-61-207
MICHIGAN, UNIVERSITY OF
SEMIANNUAL REPORT OF BALLISTIC MISSILE RADIATION ANALYSIS CENTER 1 JULY 1960 - 31 DECEMBER 1960. VOLUME III. BAMIRAC COMPILATION OF BALLISTIC MISSILE RADIATION MEASUREMENTS JANUARY 1961.
BY ZISSIS, G J — DDC NR. 321968; CONTRACT NR. AF 19(604)-7350; PROJ/TASK NR. 6906

AFCRL-TR-61-208
MCGILL UNIVERSITY
SEMINAR IN ARCTIC AND STRATOSPHERIC METEOROLOGY, JULY 27 TO AUGUST 7, 1959; JANUARY 1961.
BY GODSON, W. L. — DDC NR. 259865; CONTRACT NR. AF 19(604)-7865; PROJ/TASK NR. 7616

AFCRL-TR-61-066
WISCONSIN, UNIVERSITY OF
STRATIFICATION OF UPPER LEVEL WINDS USING HEIGHT DIFFERENCE AND GEOSTROPHIC VORTICITY. FEBRUARY 1961.
BY SNYDER, JR., F. P.; HUBER, L. H.; JOHNSON, D. R. — DDC NR. 263966; CONTRACT NR. AF 19(604)-5101; PROJ/TASK NR. 8626-86760

AFCRL-TR-59-198
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROCEEDINGS OF SEMINAR ON SPEECH COMPRESSION AND PROCESSING SEPTEMBER 28 - 30, 1959. VOLUME II.
BY — DDC NR. ; CONTRACT NR. ; PROJ/TASK NR. 6610

AFCRL-TR-60-191
GENERAL ELECTRIC COMPANY
FEASIBILITY STUDY OF THE USE OF PHASE SHIFT KEYING OVER AN IONOSPHERIC SCATTER TRANS-MISSION CIRCUIT MARCH 1960.
BY SWANSON, R. W. — DDC NR. ; CONTRACT NR. AF 19(604)-6077; PROJ/TASK NR. 6610-66105

AFCRL-TR-60-196 V1
GEORGIA INSTITUTE OF TECHNOLOGY
(U) ANTENNA CATALOG, V. 1, MISSILE ANTENNAS. OCTOBER 1960. SECRET
BY KYLE, R. J. — DDC NR. 323189; CONTRACT NR. AF 19(604)-6101; PROJ/TASK NR. 6600

AFCRL-TR-60-196 V2
GEORGIA INSTITUTE OF TECHNOLOGY
(U) ANTENNA CATALOG, V. 2, GROUND ANTENNAS. OCTOBER 1960. CONFIDENTIAL
BY KYLE, R. J. — DDC NR. 323190; CONTRACT NR. AF 19(604)-6101; PROJ/TASK NR. 6600

AFCRL-TR-60-196 V3
GEORGIA INSTITUTE OF TECHNOLOGY
(U) ANTENNA CATALOG, V. 3 SHIP ANTENNAS, OCTOBER 1960. CONFIDENTIAL
BY KYLE, R. J. — DDC NR. 323191; CONTRACT NR. AF 19(604)-6101; PROJ/TASK NR. 6600

AFCRL-TR-60-196 V4
GEORGIA INSTITUTE OF TECHNOLOGY
(U) ANTENNA CATALOG, V.4 AIRCRAFT ANTENNAS, OCTOBER 1960. CONFIDENTIAL
BY KYLE, R. J. — DDC NR. 323192; CONTRACT NR. AF 19(604)-6101; PROJ/TASK NR. 6600

AFCRL-TR-60-196 V5
GEORGIA INSTITUTE OF TECHNOLOGY
(U) ANTENNA CATALOG, V.5 CONFIDENTIAL GROUND, SHIP, AND AIRCRAFT ANTENNAS, OCTOBER 1960, CONFIDENTIAL
BY — DDC NR. 323193; CONTRACT NR. AF 19(604)-6101; PROJ/TASK NR. 6600

AFCRL-TR-60-192
ELECTRONIC ASSOCIATES, INC.
DEVELOPMENT AND STUDY OF AN INCREMENTAL COMPUTING SYSTEM, APRIL 1960.
BY TRUITT, T D — DDC NR. 253047
HURT, I. — CONTRACT NR. AF 19(604)-5560
PROJ/TASK NR. 4609-46099

AFCRL-TR-60-193
ELECTROMAGNETIC RESEARCH CORPORATION
(U) ATOMIC STORIE RECORDING (ASTREC) SYSTEMS, DECEMBER 1960, SECRET RD
BY KATZIN, M. — DDC NR.
MARINI, J. W. — CONTRACT NR. AF 19(604)-5199
PROJ/TASK NR. 4618-46181

AFCRL-TR-60-166
SYLVANIA ELECTRONIC SYSTEMS
(U) R-F RADIATION FROM ROCKET FLAMES, JUNE 26, 1960, SECRET
BY — DDC NR. 518862
CONTRACT NR. AF 19(604)-5547
PROJ/TASK NR. 5601-56019

AFCRL-TR-60-168
GENERAL TELEPHONE & ELECTRONICS LABORATORIES, INC.
INVESTIGATION OF THE CHEMICAL REACTION BETWEEN TUNGSTEN AND ALUMINUM OXIDE APRIL 1, 1960.
BY WALLACE, R. — DDC NR. 249898
FLORIO, J — CONTRACT NR. AF 19(604)-6084
POLARVI, T — PROJ/TASK NR. 6156-46910

AFCRL-TR-60-169
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THEORETICAL LIMITATIONS ON FREQUENCY AND TIME DIVERSITY FOR FADING BINARY TRANSMISSIONS, JULY 1960.
BY PIERCE, J N — DDC NR. 249729
CONTRACT NR.
PROJ/TASK NR. 4610-46109

AFCRL-TR-60-170
SEIATRON ELECTRONICS & TELEVISION CORP.
RESEARCH ON HIGH-DENSITY DIGITAL STORAGE IN PHOSPHORS, JULY 19, 1960.
BY — DDC NR. 249926
CONTRACT NR. AF 19(604)-6090
PROJ/TASK NR. 6159-46212

AFCRL-TR-60-171
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE AIRBORNE SURVEY OF ICE CAPS AT RADIO FREQUENCIES, AUGUST 1960.
BY STORM, R — DDC NR. 249726
CONTRACT NR.
PROJ/TASK NR. 5620

AFCRL-TR-60-172
RAMO-WOOLDRIDGE
(U) INVESTIGATION OF ROTATING POLARIZATION DIRECTION-FINDING TECHNIQUES, JUNE 30, 1960.
BY NISHIMURA, R. E. — DDC NR. 519627
CONTRACT NR. AF 19(604)-5733
PROJ/TASK NR. 4618-46181

AFCRL-TR-60-179
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
THE WORLD-S BIGGEST ANTENNAS - RADIO TELESCOPES SEPTEMBER 1960, REPRINTED FROM THE PROCEEDINGS OF THE NAECON 1960 CONFERENCE
BY SLETTEN, C. J. — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4781

AFCRL-TR-60-180
WESTINGHOUSE ELECTRIC CORPORATION
LI6I(EU) NEUTRON SPECTROMETER, AUGUST 15, 1960.
BY RITTER, J. C. — DDC NR.
RUBY, S. L. — CONTRACT NR. AF 19(604)-5617
BABCOCK, R. V. — PROJ/TASK NR. 4608

AFCRL-TR-60-181
TECHNICAL RESEARCH GROUP
LOW SILHOUETTE END-FIRE ARRAYS, FINAL REPORT, JULY 29, 1960.
BY EAY, A. P. — DDC NR. 250960
CONTRACT NR. AF 19(604)-5711
PROJ/TASK NR. 4600-46009

AFCRL-TR-60-182
NATIONAL CASH REGISTER CO.
RESEARCH ON MAGNETIC ROD STORAGE AND SWITCHING DEVICE, JULY 31, 1960.
BY ROLR, A. J. — DDC NR.
CONTRACT NR. AF 19(604)-5890
PROJ/TASK NR. 4609-46096

AFCRL-TR-60-183
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) PRELIMINARY INVESTIGATION OF RADIATION AND OTHER CHARACTERISTICS OF ELECTRIC PROPULSION SYSTEMS, SEPTEMBER 1960, SECRET
BY SMITH, W C — DDC NR.
MURPHY, B P — CONTRACT NR.
PARRILL, D B — PROJ/TASK NR. 4669
KNIGHT, JR., J M
FALCONE, JR., V J
ROUCE, M M

AFCRL-TR-60-184
JAMES PASTORIZA ASSOCIATES, INC.
SATELLITE ORBIT SIMULATOR, AUGUST 1960
BY — DDC NR. 264460
CONTRACT NR. AF 19(604)-6100

AFCRL-TR-60-185
PLASMADYNE CORPORATION
INVESTIGATION OF THE PRODUCTION OF MILLIMETER AND SUB-MILLIMETER ELECTROMAGNETIC WAVES, AUGUST 1, 1960.
BY MANIFE, R. W. — DDC NR. 264497
MCLEON, M. A. — CONTRACT NR. AF 19(604)-5961
PARE, E. — PROJ/TASK NR. 5561-46104
FUELLYN, H. L.
GILSDORF, H. J.

AFCRL-TR-60-186
FLORENCE, UNIVERSITY OF
DESIGN, DEVELOPMENT AND TEST OF AN ADVANCED, FIXED POSITION RADIO ASTRONOMY ANTENNA, APRIL 1960
BY CHECCACCI, P F — DDC NR. 263565
ARROZZO, L R — CONTRACT NR. AF 61(052)-216
RUSSO, V — PROJ/TASK NR. 5641

AFCRL-TR-60-187
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
THE USE OF APPARENT FARADAY ROTATIONS IN PREDICTION OF IONOSPHERIC DISTURBANCES, SEPTEMBER 1960.
REPRINTED FROM PROCEEDINGS OF THE 6TH NATIONAL CONFERENCE ON MILITARY ELECTRONICS 27-29 JUNE 1960
BY MARSH, H. S. — DDC NR. 265722
CORMIER, R. J. — CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-TR-60-188
RADIO CORPORATION OF AMERICA
(U) THE DIFFERENTIAL INTERFEROMETRIC REFRACTOMETER, FINAL REPORT, AUGUST 1960, SECRET
BY BROWN, C A — DDC NR. 520978
CONTRACT NR. AF 19 (604)-6193
PROJ/TASK NR.

AFCRL-TR-60-189
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) SOME AFCRC SCATTERING RESULTS RELATED TO MISSILES SEPTEMBER 1960, SECRET
BY BLACKSMITH, P — DDC NR. 525192
HACK, R N — CONTRACT NR.
SLETTEN, C J — PROJ/TASK NR. 5639-56351

AFCRL-TR-60-190
RADIO CORPORATION OF AMERICA
METEOR FACSIMILE VIA METEOR TRAIL PROPAGATION AUGUST 19, 1960.
BY — DDC NR. 260723
CONTRACT NR. AF 19(604)-6102
PROJ/TASK NR. 4609-46097

AFCRL-TR-60-193
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) A STATIONARY SPECULAR REFLECTOR SATELLITE FOR LONG RANGE COMMUNICATIONS, NOVEMBER 23, 1960, SECRET
BY LIPEP, D W — DDC NR. 522961
MARTIN, F J — CONTRACT NR.
URBARO, P H — PROJ/TASK NR. 4610-46107

AFCRL-TR-60-195
SYRACUSE UNIVERSITY
A THEORETICAL ANALYSIS TO PREDICT RECEIVED POWER, CORRELATION BANDWIDTH, CORRELATION DISTANCE AND FADING RATE IN IONOSPHERIC SCATTER PROPAGATION, JULY 1960.
BY BAULE, G. W. — DDC NR. 256280
CONTRACT NR. AF 19(604)-5489
PROJ/TASK NR. 5631-56319

AFCRL-TR-60-196
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN ALGORITHM FOR FINDING RATIONAL APPROXIMATIONS, SEPTEMBER 1960.
BY MATTSON, JR., H F — DDC NR. 260979
CONTRACT NR.
PROJ/TASK NR. 5632-56321

AFCRL-TR-60-198
LABORATORY FOR ELECTRONICS
RESEARCH IN FERROMAGNETICS WITH APPLICATIONS TO NEW STORAGE DEVICES, SEPTEMBER 1960.
BY FULLER, H. W. — DDC NR. 269839
SULLIVAN, D. L. — CONTRACT NR. AF 19(604)-5288
PROJ/TASK NR. 5601-56011

AFCRL-TR-60-199
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
LOW REFLECTION ABSORBERS FOR ELECTROMAGNETIC WAVES, (REFLEXIONSARME ABSORBER FUER ELEKTROMAGNETISCHE WELLEN) NOVEMBER 1960.
BY MEYER, F — DDC NR.
POTTEL, R — CONTRACT NR.
PROJ/TASK NR. 4610-46102

AFCRL-TR-60-219
LOWELL TECHNOLOGICAL INSTITUTE
DEVELOPMENT OF A MOBILE OPTICAL AND INFRARED CALIBRATION LABORATORY, PERIOD COVERING MAY 1, 1959 TO NOVEMBER 19, 1959.
BY BLOCK, L. — DDC NR.
ROGERS, E. — CONTRACT NR. AF 19(604)-5726
PROJ/TASK NR. 4906

AFCRL-TR-60-236
CALIFORNIA, UNIVERSITY OF
ATMOSPHERIC RADIATION TABLES, 1960
BY ELSASSER, W M — DDC NR. 251172
CULBERTSON, M F — CONTRACT NR. AF 19(604)-2619
PROJ/TASK NR. 1119

AFCRL-TR-60-269
HOMES HOPKINS UNIVERSITY
SCATTERING BY IMPERFECT GRATINGS, FINAL REPORT, DECEMBER 31, 1959
BY BOTTEMA, M — DDC NR. 263049
CONTRACT NR. AF 19(604)-3691
PROJ/TASK NR. 4600

AFCRL-TR-60-277
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ABSORPTION COEFFICIENTS OF AIR. JULY 1960.
BY NEYEROTT, P E — DDC NR. 252003
SOKOLOFF, J — CONTRACT NR.
NICHOLLS, R W — PROJ/TASK NR. 7674

AFCRL-TR-60-278
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
LINE WIDTHS OF PRESSURE BROADENED SPECTRAL LINES. SEPTEMBER 1960.
BY TSAO, C. J. — DDC NR.
CURNUTTE, B. — CONTRACT NR.
PROJ/TASK NR. 8603-86033

AFCRL-TR-60-279
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
PROBLEMS OF A DYNAMICAL THEORY IN STATISTICAL PHYSICS. TRANSLATED FROM RUSSIAN SEPTEMBER 1960.
BY BOGOLIUBOV, N. N. — DDC NR. 250860
GORA, E. K. — CONTRACT NR.
PROJ/TASK NR. 7670-76703

AFCRL-TR-60-280
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
THE CHEMISTRY AND VERTICAL DISTRIBUTION OF ATOMIC NITROGEN IN THE UPPER ATMOSPHERE. DECEMBER 1960.
BY MILLER, L. E. — DDC NR. 257841
CONTRACT NR.
PROJ/TASK NR. 6687

AFCRL-TR-60-281
STANFORD UNIVERSITY
NIGHT-TIME EQUATORIAL PROPAGATION OF 50 MC/S. FINAL RESULTS FROM AN IGY AMATEUR OBSERVING PROGRAM MAY 31, 1960.
BY SOUTHWORTH, M. P. — DDC NR. 240076
CONTRACT NR. AF 19(604)-5235
PROJ/TASK NR. 7663

AFCRL-TR-60-282
ARMOUR RESEARCH FOUNDATION
DEVELOPMENT OF AN OZONE ANALYZER FOR USE IN AIRCRAFT. JUNE 1960.
BY ROESLER J. F. — DDC NR. 240873
MCCULLY, C. R. — CONTRACT NR. AF 19(604)-3884
PROJ/TASK NR. 8631-86311

AFCRL-TR-60-283
TEXAS, UNIVERSITY OF
RESEARCH DIRECTED TOWARD THE STUDY AND APPLICATION OF DIGITAL DATA-PROCESSING METHODS TO THE PROBLEM OF SENSING AND RECORDING METEOROLOGICAL VARIABLES AT VARIOUS LEVELS ON IN EXISTING 1400 FOOT TOWER. APR 1960
BY MITCHAM W. S. — DDC NR.
GERHARDT J. R. — CONTRACT NR. AF 19(604)-3498
PROJ/TASK NR. 7659
PROJ/TASK NR. 8604

AFCRL-TR-60-285
OHIO STATE UNIVERSITY
INFRARED STUDIES OF THE ATMOSPHERE. APRIL 1960.
BY BIRKELAND, J. W. — DDC NR. 241932
BOWMAN, R. L. — CONTRACT NR. AF 19(604)-2259
BURCH, D. E. — PROJ/TASK NR. 7674
PATTY, R. R.
RAO, K. N.
SHAW J. H.
WILLIAMS, D.

AFCRL-TR-60-286
COLORADO, UNIVERSITY OF
RADIOMETER FOR HIGH ALTITUDE RADIATION MEASUREMENTS. R/D (1960).
BY TODD F P. — DDC NR.
STUART, P E. — CONTRACT NR. AF 19(604)-1899
PROJ/TASK NR. 117L

AFCRL-TR-60-287
PENNSYLVANIA, UNIVERSITY OF
THE CORRELATION OF STELLAR SHADOW BAND PATTERNS WITH UPPER AIR WINDS AND TURBULENCE. SEPTEMBER 1, 1960.
BY PROTHEROE W. M. — DDC NR.
CHEN, K Y — CONTRACT NR. AF 19(604)-1570
PROJ/TASK NR. 6677

AFCRL-TR-60-288
MICHIGAN, UNIVERISTY OF
<U> FIRST ANNUAL REPORT OF THE BALLISTIC MISSILE RADIATION ANALYSIS CENTER. JULY 1960. SECRET
BY — DDC NR.
CONTRACT NR. AF 19(604)-5567
PROJ/TASK NR. 4991

AFCRL-TR-60-289
STANFORD RESEARCH INSTITUTE
THE DETERMINATION OF IONOSPHERIC RECOMBINATION COEFFICIENTS PHASE I FEASIBILITY OF UTILIZING SOLAR FLARE-SUDDEN IONOSPHERIC DISTURBANCE RELATIONSHIPS. MAY 26, 1960.
BY POPPOFF, I G — DDC NR.
WHITTEN, R C — CONTRACT NR. AF 29(601)-1994
LUDWIG, F L — PROJ/TASK NR. 4988

AFCRL-TR 60-290 I
AVCO CORPORATION
STUDY OF SPONTANEOUS IONOSPHERIC DISTURBANCES. JULY 18, 1960. PART I
BY PIERCE, E T — DDC NR.
SWIFT, D — CONTRACT NR. AF 29(601)-1985
PROJ/TASK NR. 4988

AFCRL-TR-60-290II
AVCO CORPORATION
<U> STUDY OF SPONTANEOUS IONOSPHERIC DISTURBANCES. FINAL REPORT. JULY 18, 1960. PART II
BY PIERCE, E T — DDC NR.
SWIFT, D W — CONTRACT NR. AF 29(601)-1985
PROJ/TASK NR. 4988

AFCRL-TR-60-292
NEW YORK UNIVERSITY
DROPLET COLLISION EFFICIENCY. JULY 1960.
BY SCHOTLAND, R. M. — DDC NR. 241713
CONTRACT NR. AF 19(604)-2135
PROJ/TASK NR. 7641

AFCRL-TR-60-293
STANFORD RESEARCH INSTITUTE
ON METEOROLOGICAL ORJECTIVE ANALYSIS AND MODEL THEORY. JULY 1960.
BY HOLL, M. M. — DDC NR. 241820
CONTRACT NR. AF 19(604)-5703
PROJ/TASK NR. 8628

AFCRL-TR-60-296
KANSAS STATE UNIVERSITY
THE SPECTRA OF NITROGEN OXIDES. AUGUST 1960.
BY HISATSUNE, I C — DDC NR. 241581
CONTRACT NR. AF 19(604)-6622
PROJ/TASK NR. 7670

AFCRL-TR-60-299
PERKIN-ELMER CORPORATION
<U> SPECTROMETRIC MEASUREMENTS OF MISSILE PLUMES. FINAL REPORT. JULY 1960. SECRET
BY MILLER, T. W. — DDC NR. 319580
STERNCHAK, R. S. — CONTRACT NR. AF 19(604)-5957
PROJ/TASK NR. 4904

AFCRL-TR-60-350
PHILCO CORPORATION
RESEARCH IN MICRO FLIP-FLOPS 24 AUG 60
BY SIKINA, T V — DDC NR.
CONTRACT NR. AF 19(604)-5537
PROJ/TASK NR. 3601

AFCRL-TR-60-351
GENERAL ELECTRIC COMPANY
INVESTIGATION TO ESTABLISH HOW IMPURITY ATOMS AFFECT CRYSTAL NUCLEATION. APRIL 1961.
BY SEARS, G. W. — DDC NR. 255093
CONTRACT NR. AF 19(604)-5505
PROJ/TASK NR. 5621-56210

AFCRL-TR-60-352
STANFORD RESEARCH INSTITUTE
RESEARCH ON GENERAL DIGITAL LOGIC SYSTEMS UTILIZING MAGNETIC ELEMENTS AND WIRE ONLY. OCTOBER 1960.
BY VAN DE RIFT, E. K. — DDC NR. 246315
HECKLER, JR., C. H. — CONTRACT NR. AF 19(604)-3909
PROJ/TASK NR. 4605-46056
PROJ/TASK NR. 4155-46212

AFCRL-TR-60-353
HALOID XEROX INC.
RESEARCH ON HIGH TEMPERATURE COMPLEX COMPONENT DEVELOPMENT.
BY — DDC NR. 246871
CONTRACT NR. AF 19(604)-5508
PROJ/TASK NR. 4155-46211

AFCRL-TR-60-354
AVCO CORPORATION
AN EXPERIMENTAL INVESTIGATION OF NEGATIVE POINT-PLANE CORONA AND ITS RELATION TO BALL LIGHTNING. OCTOBER 24, 1960
BY PIERCE, E T — DDC NR. 259504
NADILE, R — CONTRACT NR. AF 19(604)-7342
MCKINNON, P J — PROJ/TASK NR. 4600-46017

AFCRL-TR-60-355
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ABSORPTION ANALYSIS APPLIED TO NEUTRONS IN A THERMAL COLUMN NOVEMBER 1960.
BY LOWE, L F — DDC NR. 251549
BURKE, E A — CONTRACT NR.
PROJ/TASK NR. 5620-56208

AFCRL-TR-60-356
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ELECTROMAGNETIC TECHNIQUES AND DEVICES RECOMMENDED FOR FURTHER DEVELOPMENT. NOVEMBER 1960.
BY — DDC NR. 252337L
CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-TR-60-357
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
ANALYSIS OF TRACE IMPURITIES IN SILICON CARBIDE. OCTOBER 31, 1960.
BY RUPP, R. — DDC NR. 248258
MORRISON, G. — CONTRACT NR. AF 19(604)-4944
PROJ/TASK NR. 5620-56204
PROJ/TASK NR. 5621-56211

AFCRL-TR-60-358I
STANFORD RESEARCH INSTITUTE
<U> RADIO PROPAGATION EFFECTS DURING MISSILE LAUNCHINGS. PART I. SEPTEMBER 29, 1960. SECRET
BY DOLPHIN, JR., L. T. — DDC NR.
FOGLE, B. T. — CONTRACT NR. AF 19(604)-5209
JOHNSON, G. L. — PROJ/TASK NR. 4985

AFCRL-TR-60-358II
STANFORD RESEARCH INSTITUTE
<U> ACANIA RADAR OBSERVATIONS OF 1960 FIREFLY EXPERIMENTS. PART II. NOVEMBER 1960. CONFIDENTIAL
BY LONG, R. A. — DDC NR. 321549
DOLPHIN, JR. L. T. — CONTRACT NR. AF 19(604)-5209
HUBBARD, J. R. — PROJ/TASK NR. 4985

AFCRL-TR-60-359
FRIEDMAN, INC., MORRIS D
INVESTIGATION OF RUSSIAN RESEARCH IN COMPUTER TECHNOLOGY, MACHINE TRANSLATION, NUMERICAL ANALYSIS, PROGRAMMING AND CYBERNETICS. N/D(1960).
BY — DDC NR. 247665
CONTRACT NR. AF 19(604)-5970
PROJ/TASK NR. 5632-56321

AFCRL-TR-60-360
ITT FEDERAL LABORATORIES
<U> MEASUREMENTS AND ANALYSES OF WHISTLER SIGNALS, JUNE 1961, SECRET
AY — DDC NR.
CONTRACT NR. AF 19(604)-5211
PROJ/TASK NR. 5601-56015

AFCRL-TR-60-361
RADIO CORPORATION OF AMERICA
RESEARCH ON BIPOLAR CONTROL DEVICES, OCTOBER 31, 1960.
RY WALLMARK, J. T. DDC NR. 269871
CONTRACT NR. AF 19(604)-5561
PROJ/TASK NR. 4612-46121

AFCRL-TR-60-362
HUGHES AIRCRAFT COMPANY
<U> IDENTIFICATION OF THE STRATEGIC MISSIONS OF EARTH SATELLITES, NOVEMBER 30, 1960, SECRET
RY WALTERS, L. S. DDC NR. 320690
CONTRACT NR. AF 19(604)-4871
PROJ/TASK NR. 4691-46911

AFCRL-TR-60-363
ILLINOIS INSTITUTE OF TECHNOLOGY
INVESTIGATION OF METHODS FOR IMPROVING THE DETECTABILITY AND IDENTIFICATION OF RADAR SIGNALS BY INFORMATION PROCESSING, NOVEMBER 15, 1960.
RY COHN, G. I. DDC NR.
PEACH, L. C. CONTRACT NR. AF 19(604)-5109
ZIVANOVIC, Z. PROJ/TASK NR. 4612-46120

AFCRL-TR-60-364
AFRO CECO ASTRO CORPORATION
RESEARCH IN SCANNING TECHNIQUES FOR LARGE, FLAT COMMUNICATION ANTENNA ARRAYS, DECEMBER 8, 1960.
RY DDC NR.
CONTRACT NR. AF 19(604)-5217
PROJ/TASK NR. 4600-46019

AFCRL-TR-60-365
MELPAR, INC.
<U> RECOGNITION OF OBJECTS IN SPACE FROM DYNAMIC TRAJECTORY DATA, NOVEMBER 1960, SECRET
RY LEVINE, A. L. DDC NR.
LEE, J. F. CONTRACT NR. AF 19(604)-5096
PROJ/TASK NR. 4691-46911

AFCRL-TR-60-366
ITT FEDERAL LABORATORIES
TRADE WINDS DUCT INVESTIGATIONS, JANUARY 1961.
RY DDC NR. 269919
CONTRACT NR. AF 19(604)-7371
PROJ/TASK NR. 4609

AFCRL-TR-60-367
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ESTIMATION OF THE BINOMIAL DISTRIBUTION, DECEMBER 1960.
BY MOTT-SMITH, J DDC NR. 253366
CONTRACT NR.
PROJ/TASK NR. 5632-56329

AFCRL-TR-60-368
WESTINGHOUSE ELECTRIC CORPORATION
RESEARCH IN THE PREPARATION OF HYPERPURE SINGLE CRYSTAL SILICON CARBIDE, APRIL 1960.
RY HAMILTON, D. R. DDC NR.
CHU, T. L. CONTRACT NR. AF 19(604)-2176
CHANG, H. C. PROJ/TASK NR. 4136-46210
BARRETT, D.
GOLDBERG, F.
BROOK, L.

AFCRL-TR-60-369
GENERAL ATRONICS CORPORATION
PANORAMIC SPECTRUM ANALYZER, FINAL REPORT, NOVEMBER 14, 1961.
RY BEARDWOOD, III, J. T DDC NR. 259831
CONTRACT NR. AF 19(604)-5218
PROJ/TASK NR. 4610-46102

AFCRL-TR-60-370
SPACE ELECTRONICS CORPORATION
AN ELECTRONIC SELF-FOCUSING TRACKING ANTENNA SYSTEM, FINAL REPORT, NOVEMBER 30, 1960.
BY DDC NR. 251038
CONTRACT NR. AF 19(604)-7238
PROJ/TASK NR. 4506

AFCRL-TR-60-371
RAYTHEON COMPANY
INVESTIGATION OF THE MICROWAVE PROPERTIES OF FERROELECTRIC,
RY RUPPRECHT, G. DDC NR. 269871
SILVERMAN R. D. CONTRACT NR. AF 19(604)-6085
BELL D. J. PROJ/TASK NR. 4506-46819

AFCRL-TR-60-372
GEORGIA INSTITUTE OF TECHNOLOGY
HIGH TEMPERATURE RESISTORS FOR PRINTED CIRCUITS, JUNE 30, 1960.
RY BELSER, R. B. DDC NR. 269826
ROBERTSON, D. W. CONTRACT NR. AF 19(604)-5519
PROJ/TASK NR. 4155-46211

AFCRL-TR-60-373
ILLINOIS INSTITUTE OF TECHNOLOGY
<U> METHODS OF DECREASING ATMOSPHERIC IONIZATION, DECEMBER 8, 1960, SECRET
RY SEARS, R. D. DDC NR. 321036
CONTRACT NR. AF 19(604)-5972
PROJ/TASK NR. 4610-46104

AFCRL-TR-60-374
RADIO RESEARCH LABS., <JAPAN>
RADIO OBSERVATIONS AND RESULTS OF SPUTNIK 3, APRIL 1961.
RY NAKATA, Y DDC NR. 262355
KAN, H CONTRACT NR. AF 62(593)-1255
ARIMA, Y PROJ/TASK NR. 1770
ARAKI, E

AFCRL-TR-60-375
GENERAL ELECTRIC COMPANY
THEORETICAL AND EXPERIMENTAL WORK ON FAST DIFFUSION IMPURITY ATOMS IN SEMICONDUCTORS, DECEMBER 1, 1960.
RY PELL, E. M. DDC NR. 268591
CONTRACT NR. AF 19(604)-5541
PROJ/TASK NR. 5620-56202
PROJ/TASK NR. 5621-56210

AFCRL-TR-60-376
LIGHTNING & TRANSIENTS RESEARCH INSTITUTE
ARTIFICIAL ATMOSPHERICS PROPAGATION - I, SEPTEMBER 1960.
RY STAHMANN, J. R. DDC NR. 269921
CONTRACT NR. AF 19(604)-4564
PROJ/TASK NR. 5631-56311

AFCRL-TR-60-377
TEXAS, UNIVERSITY OF
STUDIES IN TROPOSPHERIC PROPAGATION, DECEMBER 31, 1960.
RY DDC NR. 251206
CONTRACT NR. AF 19(604)-2269
PROJ/TASK NR. 4603-46032

AFCRL-TR-60-378
TEXAS, UNIVERSITY OF
STUDY OF PROPAGATION CHARACTERISTICS OF THE ATMOSPHERE, OCTOBER 31, 1960.
RY DDC NR. 251207
CONTRACT NR. AF 19(604)-5504
PROJ/TASK NR. 4630-46304

AFCRL-TR-60-379
TRANSITRON ELECTRONIC CORPORATION
RESEARCH ON EFFICIENT PHOTOVOLTAIC SOLAR ENERGY CONVERTERS, JUNE 23, 1960.
RY DALY, R. DDC NR. 251930
CONTRACT NR. AF 19(604)-5585
PROJ/TASK NR. 4155-46221

AFCRL-TR-60-401
OKLAHOMA STATE UNIVERSITY
PROVIDE SERVICES TOWARD INVESTIGATING AERONEE ROCKETS, JULY 31, 1960.
RY RICE, R. F. DDC NR. 261200
CONTRACT NR. AF 19(604)-2029
PROJ/TASK NR. 7690

AFCRL-TR-60-402
PUERTO RICO, UNIVERSITY OF
MEASUREMENT OF IONOSPHERIC DRIFT AND STRUCTURE BY RADIO STAR OBSERVATIONS, AUGUST 1960.
RY [illegible], R DDC NR. 265088
CONTRACT NR. AF 19(604)-1918
PROJ/TASK NR. 7661

AFCRL-TR-60-403
OHIO STATE UNIVERSITY
A STUDY OF THE INFRARED SPECTRA OF FLAMES USING PHASE-SENSITIVE INFORMATION METHODS OF DETECTION, JULY 1960.
RY [illegible]KEY, F. P. DDC NR. 267892
GAYLARD, R. CONTRACT NR. AF 19(604)-2254
MCFARLAN, J. PROJ/TASK NR. 7670
YAGGER, F.
BOGGS, W.

AFCRL-TR-60-404
ILLINOIS INSTITUTE OF TECHNOLOGY
DEVELOPMENT OF A RAILWAY-BORNE PARTICLE COUNTER,
RY LIFSCHMAN, A. DDC NR. 263861
CONTRACT NR. AF 19(604)-5899
PROJ/TASK NR. 7667

AFCRL-TR-60-405
INTERMOUNTAIN WEATHER, INC.
CALCULATION OF INFRARED RADIATIVE FLUX EMISSION OF THE EARTH PLUS ATMOSPHERE AT VARIOUS LEVELS HIGH ABOVE THE EARTH, AUGUST 1960.
RY HALES, J. W. DDC NR. 268199
WILLIAMS, [illegible] CONTRACT NR. AF 19(604)-2618
HENDERSON, C PROJ/TASK NR. 7670

AFCRL-TR-60-406
WOODS HOLE OCEANOGRAPHIC INSTITUTION
GRAVITY PROGRAM, JULY 1960.
RY WOOLLARD G. P. DDC NR. 250967
ROSE, J. C. CONTRACT NR. AF 19(604)-2157
PROJ/TASK NR. 7600

AFCRL-TR-60-407
ELECTRO-OPTICAL SYSTEMS, INC.
ALL SKY SURVEILLANCE SYSTEM FOR SATELLITE DETECTION, JULY 29, 1960.
RY MICHELSON, G. P. DDC NR. 268037
FISCHER, P. H. CONTRACT NR. AF 19(604)-6565
PROJ/TASK NR. 8654

AFCRL-TR-60-408
NEW YORK UNIVERSITY
HIGH LEVEL TURBULENCE, SEPTEMBER 1960.
RY CLOMAN, J. DDC NR. 266497
MORGAN, JR., G. M. CONTRACT NR. AF 19(604)-5208
RALL, J. T. PROJ/TASK NR. 8661

AFCRL-TR-60-409
NORTH AMERICAN AVIATION, INC.
GEOPHYSICS AS APPLIED TO LUNAR EXPLORATION, JUNE 30, 1960.
RY GREEN, J. DDC NR. 269913
CONTRACT NR. AF 19(604)-5886
PROJ/TASK NR. 7698

AFCRL-TR-60-410
COWELL TECHNOLOGICAL INSTITUTE
A PHASE WEIGHT AND AMPLITUDE RECEIVING AND RECORDING SYSTEM FOR MEASURING IONOSPHERIC WINDS, JUNE 1960.
RY BINNARD, R. P. DDC NR. 268692
TURNER, W. D. CONTRACT NR. AF 19(604)-5661
PROJ/TASK NR. 8609

AFCRL-TR-60-611
MAX-PLANCK-INSTITUT FUR CHEMIE
STUDIES ON METEORITES, 1960.
AU: WANKE, H — DDC NO. 269397
FANIK, H — CONTRACT NO. AF 61(514)-1332
PROJ/TASK NO. 9991

AFCRL-TR-60-612
CALIFORNIA, UNIVERSITY OF
ANALYTICAL STUDIES OF NUMERICAL ERRORS IN DYNAMICAL WEATHER PREDICTION, OCTOBER 31, 1960.
AU: GATES, W. L. — DDC NO. 268890
CONTRACT NO. AF 19(604)-1806
PROJ/TASK NO. 8628

AFCRL-TR-60-614
HARVARD UNIVERSITY
RESEARCH DIRECTED TO THE STUDY OF PLANETARY ATMOSPHERES, OCTOBER 10, 1960.
AU: MENZEL, D. H. — DDC NO. 266946
DE VAUCOULEURS, G. — CONTRACT NO. 19(604)-1076
PROJ/TASK NO. 8662

AFCRL-TR-60-615
STANFORD RESEARCH INSTITUTE
LUMINOSITY STUDIES OF HIGH VELOCITY IMPACT, FINAL REPORT, OCTOBER 12, 1960.
AU: KEOUGH, D. D. — DDC NO. 267026
CONTRACT NO. AF 19(604)-5572
PROJ/TASK NO. 7667

AFCRL-TR-60-616
LITTLE, INC., ARTHUR D
INFRARED SPECTRAL EMITTANCE PROPERTIES OF SOLID MATERIALS, OCTOBER 1960.
AU: BLAU, JR., H. H. — DDC NO.
MARSCH, J. B. — CONTRACT NO. AF 19(604)-2695
PROJ/TASK NO. 7670

AFCRL-TR-60-617
AF CAMBRIDGE RESEARCH LABORATORIES (CRHOUSE)
A STUDY OF THE PULSATING GROWTH OF CUMULUS CLOUDS, DECEMBER 1960
AU: ANDERSON, C. E. — DDC NO.
CONTRACT NO.
PROJ/TASK NO. 8620-86202

AFCRL-TR-60-618
GENERAL MILLS, INC.
STUDY OF SPUTTERING OF MATERIALS, OCTOBER 1960.
AU: WEHNER, G. K. — DDC NO. 268045
LAEGARID, N. — CONTRACT NO. AF 19(604)-5496
STUART, R. V. — PROJ/TASK NO. 8608?

AFCRL-TR-60-619
ADVANCED METALS RESEARCH CORP.
A METHOD FOR IDENTIFICATION OF STRATOSPHERIC PARTICLES, SEPTEMBER 30, 1960.
AU: LEVIN, B. — DDC NO. 268133
HOLL, S. — CONTRACT NO. AF 19(604)-6146
OSTLVIE, B. — PROJ/TASK NO. 7690
SCHAW, S.

AFCRL-TR-60-620
NEW YORK UNIVERSITY
THE REACTION OF NITROGEN ATOMS WITH OZONE, OCTOBER 15, 1960.
AU: TAYLOR H. A. — DDC NO. 268192
AFI CHIO CMPR. — CONTRACT NO. AF 19(604)-2078
PROJ/TASK NO. 7699

AFCRL-TR-60-621
DENVER, UNIVERSITY OF
VARIATION OF INFRARED SOLAR SPECTRUM WITH ALTITUDE, OCTOBER 27, 1960.
AU: MURCRAY, D. G. — DDC NO. 269361
MURCRAY F. H. — CONTRACT NO. AF 19(604)-2069
WILLIAMS, W. J. — PROJ/TASK NO. 7674

AFCRL-TR-60-622
PENNSYLVANIA STATE UNIVERSITY
STRUCTURE OF TURBULENCE AND MEAN WIND PROFILES WITHIN THE ATMOSPHERIC BOUNDARY LAYER, OCTOBER 31, 1960.
AU: BLACKADAR, A. K. — DDC NO. 259071
PANOFSKY, H. A. — CONTRACT NO. AF 19(604)-5471
MCVEHIL, G. E. — PROJ/TASK NO. 7659
WOLLASTON, S. H.

AFCRL-TR-60-623
BRITISH COLUMBIA, UNIVERSITY OF
THE DETERMINATION OF IONIZATION AND DISSOCIATION POTENTIALS OF MOLECULES BY RADIATION WITH ELECTRONS OCTOBER 1960.
AU: FROST D. C. — DDC NO. 267619
MCDOWELL, C. A. — CONTRACT NO. AF 19(604)-2279
PROJ/TASK NO. 7699

AFCRL-TR-60-624
COLUMBIA UNIVERSITY
GEOPHYSICAL AND OCEANOGRAPHIC RESEARCH IN THE ARCTIC OCEAN, NOVEMBER 15, 1960.
AU: HUNKINS, K. — DDC NO. 259807
CONTRACT NO. AF 19(604)-2030
PROJ/TASK NO. 7620

AFCRL-TR-60-626
WOLF RESEARCH AND DEVELOPMENT CORPORATION
DESCRIPTION OF SOJOM'S, THE SURFACE-FITTING METHOD FOR OBJECTIVE ANALYSIS OF WEATHER REPORTS, (PROGRAMMED FOR THE IBM 704) DECEMBER 15, 1960.
AU: JOSEPH, A. P. — DDC NO.
MOUNT, W. D. — CONTRACT NO. AF 19(604)-7318
THOMASELL, A. S. — PROJ/TASK NO. 8642-86420

AFCRL-TR-60-628
AF CAMBRIDGE RESEARCH LABORATORIES (CRHOUSE)
MAGNETIC PHOTOMULTIPLIER WITH LARGE CATHODE FOR EXTREME ULTRAVIOLET, DECEMBER 1960.
AU: HALL, L. A. — DDC NO.
WINTERGGORD, W. F. — CONTRACT NO.
PROJ/TASK NO. 6688-76994

AFCRL-TR-60-629
BOSTON COLLEGE
RESEARCH DIRECTED TOWARD THE STUDY OF THE PROPERTIES OF A PLASMA THAT MAY LEAD TO A NEW TYPE OF [illegible], SEPTEMBER 30, 1960.
AU: GUENTHER, W. G. — DDC NO. 268855
CONTRACT NO. AF 19(604)-[illegible]
PROJ/TASK NO. 8608

AFCRL-TR-60-630
AVCO INDUSTRIES, INC.
CW RESEARCH ON DETECTION OF INFRARED MISSION FOR M SATELLITE VEHICLES, APRIL 22, 1960, (CRREY)
AU: SHAPIRO, S. — DDC NO.
CONTRACT NO. AF 19(604)-6552
PROJ/TASK NO. 7670

AFCRL-TR-60-631
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MEASUREMENTS OF SOUND ATTENUATION IN THE ATMOSPHERE, PART I, PULSE DISTRIBUTION ANALYSIS OF SCATTERED SOUND, PART II, NOVEMBER 6, 1960.
AU: [illegible] — DDC NO. 268836
OLESON S. R. — CONTRACT NO. AF 19(604)-2091
MINTZ, M. D. — PROJ/TASK NO. 7699

AFCRL-TR-60-633
MICHIGAN, UNIVERSITY OF
INFRARED STUDIES INTERFEROMETRY, DERIVATIVE ABSORPTION SPECTROSCOPY, FAR-INFRARED SPECTRUM OF H2O2, ELECTRIC FIELD INDUCED ABSORPTION IN HZ AND D2, STARK EFFECTS IN HCN, CH3F, NH3, AND H2O, AUGUST 1960.
AU: CHURCH C. H. — DDC NO. 250727
HURT, R. — CONTRACT NO. AF 19(604)-2071
MAKER P. — PROJ/TASK NO. 8603
PETERS, C. W.

AFCRL-TR-60-634
MANCHESTER, UNIVERSITY OF
METEOR TRAIL MEASUREMENTS BY RADIO ECHO DETECTION MEANS NOVEMBER 1, 1958 - AUGUST 31, 1960
AU: HALL, J. E. — DDC NO. 268127
CONTRACT NO. AF 61(052)-206
PROJ/TASK NO. 7667

AFCRL-TR-60-635
RAMO-WOOLDRIDGE
RESEARCH ON THE DETECTION OF FAR INFRARED RADIATION, DECEMBER 1, 1960.
AU: CURTIS, R. B. — DDC NO. 259112
CONTRACT NO. AF 19(604)-9222
PROJ/TASK NO. 7670

AFCRL-TR-60-636
TEMPLE UNIVERSITY
RESEARCH DIRECTED TOWARDS THE STUDY OF TRANSDUCING METEORIC IMPACTS, DECEMBER 1, 1960.
AU: ROMIG, JR. L. — DDC NO. 269969
FUCHS, O. P. — CONTRACT NO. AF 19(604)-1896
HEWITT F. — PROJ/TASK NO. 7667
SHERWOOD, F. J.

AFCRL-TR-60-637
AF CAMBRIDGE RESEARCH LABORATORIES (CRHOUSE)
AIDF, ALTITUDE INTEGRATING DEVICE, ELECTRONIC, DECEMBER 1960
AU: HERSHBERG, P. I — DDC NO.
GRIFFIN, J. R — CONTRACT NO.
GUENTHNER, R. H — PROJ/TASK NO. 8639-86704

AFCRL-TR-60-638
CALIFORNIA, UNIVERSITY OF
THE INFLUENCE OF TERRAIN AND THERMAL STRATIFICATION ON FLOW ACROSS THE CALIFORNIA COASTLINE, NOV 30 60.
AU: EDINGER, J. G. — DDC NO.
CONTRACT NO. AF 19(604)-9212
PROJ/TASK NO. 8604

AFCRL-TR-60-639
RADOK ASSOCIATES, INC
RESEARCH DEVELOPMENT AND CONSTRUCTION OF A BALLOON BORNE SPECTROMETER, AUGUST 1960.
AU: GALLAGHER, JR., P. B. — DDC NO. [illegible]
ZERNIKE, JR., F. — CONTRACT NO. AF 19(604)-5758
PROJ/TASK NO. [illegible]

AFCRL-TP-61-200
STANFORD RESEARCH INSTITUTE
RESEARCH TOWARD EFFECTIVE USE OF WEATHER RADAR DATA IN WEATHER ANALYSIS AND FORECASTING, JANUARY 1961.
AU: LIBBY, W. G. M. — DDC NO. 267959
SPIEGERMEY, S. L. — CONTRACT NO. AF 19(604)-3067
NAGLE, R. F. — PROJ/TASK NO. 7612

AFCRL-TR-61-622
TOKYO UNIVERSITY OF EDUCATION
STUDIES OF NIGHT AIRGLOW, RELATED MECHANISM AND OF ATMOSPHERIC ATOMS AND MOLECULES, APRIL 20, 1961.
AU: GOTUDA, H. — DDC NO.
CONTRACT NO. AF 62(591)-1486
PROJ/TASK NO. 7659

AFCRL-TR-61-641
CORNELL AERONAUTICAL LABORATORY, INC.
(U) AN INVESTIGATION OF CONTRAIL SUPPRESSION TECHNIQUES, CONFIDENTIAL
AU: JIUSTO, J. E. — DDC NO.
CONTRACT NO. AF 19(604)-2297
PROJ/TASK NO. 7699

AFCRL-TR-61-896
LOWELL TECHNOLOGICAL INSTITUTE
IONOSPHERIC RESEARCH USING ARTIFICIAL EARTH SATELLITES, MARCH 1961.
AU: SALEY, G. S. — DDC NO.
DIETER, C. L. — CONTRACT NO. AF 19(604)-6196
PROJ/TASK NO.

AFCRL-60-181
TENNESSEE, UNIVERSITY OF
ELECTRONIC SCANNING OF CIRCULAR LOOP ARRAYS, MARCH 1, 1962.
BY STEPHENS, D R — DDC NR.
KENNEDY, E J — CONTRACT NR. AF 19(628)-288
NEFF, H P — PROJ/TASK NR. 4600-460002

AFCRL-60-769
COLUMBIA UNIVERSITY
A CLASS OF OPTIMUM NON-LINEAR FILTERS FOR QUANTIZED INPUTS, JULY 1, 1960.
BY — DDC NR. 243719
CONTRACT NR. AF 19(604)-4140
PROJ/TASK NR. 5630-56305

AFCRL-60-845
CONVAIR
PROJECT DEFENDER, 31 DECEMBER 1960
BY — DDC NR. 252819
CONTRACT NR. AF 19(604)-5554
PROJ/TASK NR. 5043

AFCRL-1
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CLASSICAL PURIFICATION TECHNIQUES, FEBRUARY 1961.
BY ARMINGTON, A F; KENNEDY, J K; SILCOX, N W; NUSSBAUM, S — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5620-56204

AFCRL-2
MINNESOTA, UNIVERSITY OF
STUDIES ON BASE NICKELS FOR OXIDE-COATED CATHODES, PERIOD COVERING JULY 15, 1960 TO OCTOBER 15, 1960.
BY ANDERSON D. E. — DDC NR. 253675
CONTRACT NR. AF 19(604)-3890
PROJ/TASK NR. 5630-56307

AFCRL-3
STANFORD UNIVERSITY
RESEARCH ON POLAR RADIO PROPAGATION BLACKOUTS, NOVEMBER 29, 1960.
BY EGAN, R. D.; PETERSON, A. M. — DDC NR. 251195
CONTRACT NR. AF 19(604)-4103
PROJ/TASK NR. 4603-46033

AFCRL-4
DENVER RESEARCH INSTITUTE
LITERATURE SURVEY OF SELECTED SEMICONDUCTOR PROPERTIES DECEMBER 1, 1960.
BY LUNDIN, C F; SEIBEL, R D; SULLIVAN, R W — DDC NR. 254124
CONTRACT NR. AF 19(604)-7222
PROJ/TASK NR. 5620-56204

AFCRL-5
GENERAL ELECTRIC COMPANY
RECOMBINATION KINETICS FOR THERMALLY DISSOCIATED LI-O ION PARIRS IN SI, DECEMBER 14, 1960.
BY PELL, E. M.; HAM, F. S. — DDC NR. 249825
CONTRACT NR. AF 19(604)-5551
PROJ/TASK NR. 5620-56202
PROJ/TASK NR. 5621-56210

AFCRL-6
PARKE MATHEMATICAL LABORATORIES, INC.
A NEW APPROACH TO THE STUDY OF BINARY SYSTEMATIC CODES, DECEMBER 1960.
BY CALABI, L. — DDC NR. 261949
CONTRACT NR. AF 19(604)-3471
PROJ/TASK NR. 5632-56323

AFCRL-7
STANFORD UNIVERSITY
INVESTIGATION OF MICROWAVE PROPERTIES OF PLASMAS, JANUARY 1961.
BY CHODOROW, M. — DDC NR. 253848
CONTRACT NR. AF 19(604)-5226
PROJ/TASK NR. 5561-46304

AFCRL-8(I)
GENERAL ELECTRIC CO.
CODING AND DECODING OPERATIONS RESEARCH, VOLUME 1.
BY BURTON, C.; HACKETT, C; MITCHELL, M; SCHWARTZ, R — DDC NR. 257419
CONTRACT NR. AF 19(604)-6183
PROJ/TASK NR. 5632-56323

AFCRL-8(II)
GENERAL ELECTRIC CO.
CODING AND DECODING OPERATIONS RESEARCH, VOLUME 2, JANUARY 1961.
BY BURTON, C; HACKETT, C; MITCHELL, M; SCHWARTZ, R — DDC NR. 257420
CONTRACT NR. AF 19(604)-6183
PROJ/TASK NR. 5632-56323

AFCRL-9
RADIO CORPORATION OF AMERICA
CANCELLATION AND INTEGRATION EQUIPMENT, OCTOBER 31, 1960.
BY — DDC NR. 251687
CONTRACT NR. AF 19(604)-2438
PROJ/TASK NR. 4506-46316

AFCRL-10
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
ELECTRONIC MATERIAL SCIENCES LAB STATUS REPORT, JAN 1961
BY — DDC NR. 255841
CONTRACT NR.
PROJ/TASK NR.

AFCRL-11
NEW HAMPSHIRE, UNIVERSITY OF
THE DESIGN AND PERFORMANCE OF PARAMETRIC AMPLIFIER ANTENNAS, NOVEMBER 30, 1960.
BY FROST A. D.; CLARK, R R — DDC NR.
CONTRACT NR. AF 19(604)-3892
PROJ/TASK NR. 4600-46019

AFCRL-12
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) PRELIMINARY FEASIBILITY STUDY FOR AN INTERCONTINENTAL ASTREC SYSTEM, JANUARY 1961, SECRET RD
BY LEWIS, E A; SULLIVAN, J A; RASMUSSEN, J E — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4662-46331

AFCRL-13
LITTLE, INC., ARTHUR D
OPTICAL CONSTANTS AT HIGH TEMPERATURE, JANUARY 1961.
BY MARTIN, W. S.; BLAU, JR., H H — DDC NR. 251662
CONTRACT NR. AF 19(604)-2639
PROJ/TASK NR. 7364

AFCRL-14
PARKE MATHEMATICAL LABORATORIES, INC.
A SOLUTION OF THE MINIMIZATION PROBLEM FOR BOOLEAN FORMULAS, DECEMBER 1960.
BY CALABI, L. — DDC NR. 262075
CONTRACT NR. AF 19(604)-3471
PROJ/TASK NR. 5632-56323

AFCRL-15
AVCO CORPORATION
RECEPTION OF WWV AND WWVH IN NORTHERN CANADA, JANUARY 1961.
BY HERMAN J. R.; PENNDOR, R. B. — DDC NR. 252121
CONTRACT NR. AF 19(604)-4092
PROJ/TASK NR. 4603-46035

AFCRL-16
NATIONAL BUREAU OF STANDARDS
AN APPROACH TO THE THEORY OF AN ANTENNA OVER AN INHOMOGENEOUS GROUND PLANE, JANUARY 11, 1961.
BY WAIT, J R — DDC NR. 258150
CONTRACT NR. CSO6A 58-40
PROJ/TASK NR.

AFCRL-17
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES, PERIOD COVERING OCTOBER 1, 1960 - DECEMBER 31, 1960, JANUARY 31, 1961.
BY — DDC NR. 255281
CONTRACT NR. AF 19(604)-7286
PROJ/TASK NR. 4619-46190

AFCRL-18
FRIEDMAN, INC., MORRIS D
THEORY OF RELATIVITY AND THE ELECTROMAGNETIC FIELD, JANUARY 1961.
REPRINTED FROM IZVESTIIA VUZ, FIZIKA, NO. 5, PP. 35-42
BY SMIRNOV, R. V. — DDC NR. 251775
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-19
FRIEDMAN, INC., MORRIS D
CORRELATION FUNCTION OF A SIGNAL PASSING THROUGH A MEDIUM WITH RANDOMLY MOVING INHOMOGENEITIES, JANUARY 1961.
REPRINTED FROM IZVESTIIA VUZ, RADIOFIZIKA, VOL. 3, NO. 5, 1960, PP. 778-88
BY PRIIMAK, G. I. — DDC NR. 252208
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-20
FRIEDMAN, INC., MORRIS D
ON THE QUESTION OF THE HEAT CONDUCTION OF A FULLY IONIZED PLASMA, JANUARY 1961.
REPRINTED FROM IZVESTIIA VUZ, FRIZIKA, NO. 2, 1960, PP. 99-102
BY PEKAR, IU. A. — DDC NR. 252209
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-21
FRIEDMAN, INC., MORRIS D
SECRET OF THE BURNING BALL, JANUARY 1961.
REPRINTED FROM KOMSOM, PRAVDA, OCTOBER 30, 1960, P. 3
BY IURVEV, A. — DDC NR. 251773
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-22
ADVANCED KINETICS, INC.
PRODUCTION OF MILLIMETER AND SUB-MILLIMETER ELECTROMAGNETIC WAVES BY THE INTERACTION OF PLASMA AND ELECTRON BEAMS WITH HIGH INTENSITY PULSED MAGNETS, PERIOD COVERING OCTOBER 16, 1960 - JANUARY 15, 1961
BY WANIEK, R W — DDC NR. 250857
CONTRACT NR. AF 19(604)-7406
PROJ/TASF NR. 5561-46304

AFCRL-23
GENERAL ELECTRIC COMPANY
STUDY OF LI-O INTERACTION IN SI BY ION DRIFT, JANUARY 10, 1961.
BY PELL, E. M. — DDC NR. 250671
CONTRACT NR. AF 19(604)-5551
PROJ/TASK NR. 5620-56202

AFCRL-24
HAZELTINE RESEARCH CORPORATION
(U) SYNCHRONIZATION IN A JAMMED ENVIRONMENT, JUNE 1961, SECRET
BY RICHMAN, D; PAGE, C E; GROSSMAN, A — DDC NR. 324176
CONTRACT NR. AF 19(604)-6000
PROJ/TASK NR. 4610

AFCRL-25
GEOPHYSICS CORPORATION OF AMERICA
PLASMAS JANUARY 1961
BY PAPA, R — DDC NR. 252532
CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5561-46035

AFCRL-26
GEOPHYSICS CORPORATION OF AMERICA
ENERGY LOSS PROCESSES OF SOLAR CORPUSCLES IN AIR, FEBRUARY 1961.
BY NAWROCKI, P J — DDC NR. 252533
PAPA, R — CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5561-46035

AFCRL-27
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A STOCHASTIC MOTOR-LEARNING ANALOG, JANUARY 1961.
BY SCOTT, K R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56325

AFCRL-29
CASE INSTITUTE OF TECHNOLOGY

AFCRL-28(A)
GENERAL ELECTRIC COMPANY
APPLICATION OF TUNNELING TO ACTIVE DIODES, DECEMBER 23, 1960.
BY HALL, R N — DDC NR. 251652
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

AFCRL-28(B)
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, DECEMBER 1960
BY HOLONYAK, JR., N — DDC NR. 251750
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

STUDY OF CONTROL OF APERTURE FIELDS, PERIOD COVERING SEPTEMBER 20, 1960 TO DECEMBER 31, 1960.
BY — DDC NR. 252550
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5639-56351

AFCRL-31
HARVARD UNIVERSITY
SANDWICH-WIRE ANTENNA, SEPTEMBER 15, 1960.
BY CHEN, K. M. — DDC NR. 252480
CONTRACT NR. AF 19(604)-4118
PROJ/TASK NR. 5635

AFCRL-32
RADIO CORPORATION OF AMERICA
RESEARCH ON OPTO-ELECTRONIC COMPUTER COMPONENTS, NOVEMBER 30, 1960.
BY HOOK, H O — DDC NR. 253543
GIAIMO, E C — CONTRACT NR. AF 19(604)-4959
PROJ/TASK NR. 4605

AFCRL-33
FRIEDMAN, INC., MORRIS D
MAXWELL EQUATIONS IN A ROTATING REFERENCE SYSTEM, JANUARY 1961.
REPRINTED FROM NDVSH. FIZ.-MATE. NAUKI, NO. 1, 1959, PP. 141-145
BY BARABANENKOV, IU. N. — DDC NR.
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-34
FRIEDMAN, INC., MORRIS D
ON LINEAR THEORIES OF GRAVITATION, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA VUZ. FIZIKA, NO. 3, 1960, PP. 63-71
BY PUSTOVOIT, V. I. — DDC NR. 255671
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-35
FRIEDMAN, INC., MORRIS D
THRESHOLD OF RELIABLE DETECTION AND LIMITING SENSITIVITY OF RADIO TELESCOPES, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA AN ARMSSR, FIZ.MATE. NAUK, VOL. 13, NO. 1, 1960, PP. 141-151
BY BURUNSUZIAN, E. S. — DDC NR. 251772
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-36
FRIEDMAN, INC., MORRIS D
ON SHOCKWAVE STRUCTURE IN THE NONRELATIVISTIC CASE, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA VUZ FIZIKA, NO. 3, 1960, PP. 158-164
BY MOISEEV, S. S. — DDC NR. 255672
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-37
FRIEDMAN, INC., MORRIS D
ADDITIVE REST MASS, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA VUZ, FIZIKA, NO. 4, 1960, PP. 64-67
BY PLOTKIN, I. R. — DDC NR. 251774
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-38
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
MEASURED RADAR BACKSCATTER CROSS SECTIONS OF THE PROJECT MERCURY CAPSULE, FEBRUARY 1961.
BY MACK, R B — DDC NR. 259427
GORR, B B — CONTRACT NR.
PROJ/TASK NR. 5635-56351

AFCRL-39
MICHIGAN, UNIVERSITY OF
SOME RELATIONS BETWEEN POTENTIAL THEORY AND THE WAVE EQUATION, DECEMBER 1960.
BY DARLING, D. A. — DDC NR.
CONTRACT NR. AF 19(604)-4993
PROJ/TASK NR. 5635-56352

AFCRL-40
MICHIGAN, UNIVERSITY OF
STUDIES IN RADAR CROSS SECTIONS XLV, STUDIES IN NON-LINEAR MODELING - II, DECEMBER 31, 1960.
BY BELYEA, J. E. — DDC NR. 257186
CRISPIN, JR., J. W. — CONTRACT NR. AF 19(604)-4993
LOW, R. D. — PROJ/TASK NR. 5635-56352
RAYBIN, D. M.
RITT, R. K.
RUEHR, O. G.
SLEATOR, F. B.

AFCRL-41
MICHIGAN, UNIVERSITY OF
(U) ON RADIATION FROM ROCKET EXHAUSTS 1 TO 107 KC/S SECRET
BY BARASCH, M L — DDC NR. 323016
GOBERDHAN, C K — CONTRACT NR. AF 19(604)-6176
GOODRICH, R F — PROJ/TASK NR. 4649-46494
LEITE, R J
WEIL, H

AFCRL-42
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
GENERALIZATIONS OF THE SAHA EQUATION, MAY 1961.
BY DEWAN, E M — DDC NR. 264234
CONTRACT NR.
PROJ/TASK NR. 5635-56353

AFCRL-43
RAYTHEON COMPANY
DISPERSION RELATIONS IN A STATIONARY PLASMA, JANUARY 1961.
BY TANENBAUM, B. S. — DDC NR. 256060
CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR. 4649-46494

AFCRL-44
RAYTHEON COMPANY
(U) BLAST WAVE ANALYSIS AND APPLICATION TO THE EXPANSION OF A ROCKET EXHAUST, JANUARY 1961, SECRET
BY HOLWAY, L. — DDC NR. 323228
CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR. 4649-46494

AFCRL-45
PARKE MATHEMATICAL LABS., INC.
ANNOTATED BIBLIOGRAPHY ON THE MINIMIZATION OF BOOLEAN FORMULAS AND SWITCHING CIRCUITS, BY PML STAFF, DECEMBER 1960.
BY — DDC NR. 260552
CONTRACT NR. AF 19(604)-3471
PROJ/TASK NR. 5632-56329

AFCRL-46
CALIFORNIA, UNIVERSITY OF
SUFFICIENT CONDITIONS FOR THE STABILITY OF CERTAIN NONLINEAR CONTROL SYSTEMS, JANUARY 25, 1961.
BY WILLIAMS, T. J. — DDC NR. 254578
CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 5632-56320

AFCRL-47
FRANKLIN INSTITUTE
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS JANUARY 15, 1961.
BY DANFORTH, W. E. — DDC NR. 253988
CONTRACT NR. AF 19(604)-3904
PROJ/TASK NR. 4156

AFCRL-49
CALIFORNIA, UNIVERSITY OF
SPECIAL DEFLECTION SYSTEMS FOR CATHODE-RAY TUBES, DECEMBER 2, 1960.
BY NOEL, D. R. — DDC NR. 256243
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 5634-56342

AFCRL-50
HUGHES RESEARCH LABORATORIES
AIRBORNE MASER FEASIBILITY STUDY, FINAL REPORT, JANUARY 1961.
BY OWENS, O G — DDC NR. 251891
SENF, H R — CONTRACT NR. AF 19(604)-7182
PROJ/TASK NR. 4610

AFCRL-51
STANFORD RESEARCH INSTITUTE
A LABORATORY FOR INVESTIGATING THE PROPERTIES OF SOLUTIONS AT HIGH TEMPERATURE AND PRESSURE, JANUARY 30, 1961.
BY FREDERICKS, W. J. — DDC NR. 253332
CONTRACT NR. AF 19(604)-5697
PROJ/TASK NR. 4608

AFCRL-52
RAYTHEON COMPANY
SINGLE CRYSTAL GROWTH OF THE GARNET TYPE OXIDES, PART II, PHASE RELATIONS IN THE TERNARY SYSTEM FE203-FEO-YFE03, JANUARY 9, 1961.
BY VAN HOOK, H. J. — DDC NR. 252397
CONTRACT NR. AF 19(604)-5511
PROJ/TASK NR. 4608-46087

AFCRL-53
WESTINGHOUSE RESEARCH LABORATORIES
RECTANGULAR OPTICAL-MICROWAVE CAVITY, NOVEMBER 1960.
BY MCAVOY, B. R. — DDC NR. 252736
CONTRACT NR. AF 19(604)-5589
PROJ/TASK NR. 4608-46087

AFCRL-54
STANFORD UNIVERSITY
SPACE-CHARGE THEORY FOR ION BEAMS, FEBRUARY 1961.
BY KINO G S — DDC NR. 263848
HARKER, K J — CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-55
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH JANUARY 31, 1961.
BY BLANC, J — DDC NR. 254074
BUBE, R H — CONTRACT NR. AF 19(604)-6152
EKSTROM, L — PROJ/TASK NR. 4608-46088
GOLD, R D
GOLDSTEIN, R
LIEBMANN, W K
LOERNER, F F
RAPPAPORT, P
RICHMAN, D
WEISBERG, L R

AFCRL-56
FRIEDMAN, INC., MORRIS D
HETERODYNING OF LIGHT, FEBRUARY 1961.
REPRINTED FROM USP. FIZ. NAUK, VOL. 59, NO. 3, 1956, PP. 543-552
BY BOROVITSKII, S. I. — DDC NR. 255673
GORELIK, G. S. — CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-57
FRIEDMAN, INC., MORRIS D
SINGULAR SOLUTIONS OF THE SPINOR EQUATION AND ELECTRON THEORY, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA VUZ. FIZIKA, NO. 4, 1960, PP. 22-29
BY LEBEDEV, L. E. — DDC NR. 255674
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-58
FRIEDMAN, INC., MORRIS D
REST MASS OF LIGHT AND INTERFERENCE PHENOMENA, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA VUZ. FIZIKA, NO. 6, 1959, PP. 90-94
BY PLOTKIN, I. R. — DDC NR. 255675
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-59
FRIEDMAN, INC., MORRIS D
CONFORMAL MAPPING IN THE GENERAL THEORY OF RELATIVITY AND CERTAIN QUESTIONS OF COSMOLOGY, FEBRUARY 1961.
REPRINTED FROM IZVESTIIA VUZ. FIZIKA, NO. 1, 1960, PP. 46-53
BY PUGACHEV, I. IA. — DDC NR. 255676
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-60
RAYTHEON COMPANY
BETA SILICON CARBIDE, PERIOD COVERING DECEMBER 1, 1959 - NOVEMBER 30, 1960 JANUARY 30, 1961.
BY WARSHAUER, D M — DDC NR. 253075
CONTRACT NR. AF 19(604)-6133
PROJ/TASK NR. 4608-46088

AFCRL-61
HAZELTINE RESEARCH CORPORATION
(U) SYNCHRONIZATION IN A JAMMED ENVIRONMENT JUNE 1961. CONFIDENTIAL
BY RICHMAN, D — DDC NR. 324173
PAGE, C E — CONTRACT NR. AF 19(604)-6000
GROSSMAN, B — PROJ/TASK NR. 4610

AFCRL-62
HAZELTINE RESEARCH CORPORATION
(U) SYNCHRONIZATION IN A JAMMED ENVIRONMENT, FINAL REPORT JUNE 1961. SECRET
BY RICHMAN, D — DDC NR. 324175
PAGE, C E — CONTRACT NR. AF 19(604)-6000
GROSSMAN, B — PROJ/TASK NR. 4610

AFCRL-63
TEXAS, UNIVERSITY OF
CALCULATED VALUES OF ABSORPTION DUE TO WATER VAPOR AND OXYGEN IN THE MILLIMETER SPECTRUM, FEBRUARY 20, 1961.
BY TOLBERT, C W — DDC NR. 254460
DICKINSON, R M — CONTRACT NR. AF 19(604)-8038
PROJ/TASK NR. 5631-563104

AFCRL-64
HUGHES RESEARCH LABS.
MAGNETOHYDRODYNAMIC WAVES IN THE IONOSPHERE, JANUARY 31, 1961.
BY CHANG, H H C — DDC NR. 256588
CONTRACT NR. AF 19(604)-7372
PROJ/TASK NR. 4649

AFCRL-65
MICHIGAN, UNIVERSITY OF
STUDIES IN RADAR CROSS SECTIONS - XLIV INTEGRAL REPRESENTATIONS OF SOLUTIONS OF THE HELMHOLTZ EQUATION WITH APPLICATION TO DIFFRACTION BY A STRIP FEBRUARY 1961.
BY KLEINMAN, R E — DDC NR. 253052
TIMMAN, R — CONTRACT NR. AF 19(604)-6655
PROJ/TASK NR. 5635-56351

AFCRL-66
LITTLE, INC., ARTHUR D.
DEVELOPMENT OF THE "CLAM SHELL" THERMAL IMAGER, FINAL REPORT FEBRUARY 10, 1961.
BY GLASER, P E — DDC NR. 254040
CONTRACT NR. AF 19(604)-6663
PROJ/TASK NR. 4619-46190

AFCRL-67
BOEING CO.
DESIGN STUDY FOR EXPERIMENTAL AIRBORNE ANTENNA FOR KC-135 AIRCRAFT, FEBRUARY 14, 1961.
BY ANDERMANN, A — DDC NR.
OH, L L — CONTRACT NR. AF 19(604)-7373
LUNDEN, C D — PROJ/TASK NR. 4610-46100

AFCRL-68
CALIFORNIA, UNIVERSITY OF
A STUDY OF CIRCUIT-INDEPENDENT OSCILLATIONS IN A GASEOUS CONDUCTOR, FEBRUARY 15, 1961.
BY DOBRATZ, B. E. — DDC NR. 257026
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 4506-46314

AFCRL-69
PLESSET ASSOCIATES, INC.
ATOMIC SCATTERING PROCESSES, JANUARY 30, 1961.
BY GERJUOY, E — DDC NR. 254860
CONTRACT NR. AF 19(604)-6187
PROJ/TASK NR. 4618-46181

AFCRL-70
PLESSET ASSOCIATES, INC.
HIGH RESOLUTION GROUND-BASED SIMULTANEOUS MEASUREMENT OF IONOSPHERIC ELECTRON DENSITY AND COLLISION FREQUENCY, JANUARY 31 1961.
BY RICHEY, F — DDC NR. 254861
WEHNER, R S — CONTRACT NR. AF 19(604)-6187
PROJ/TASK NR. 4618-46181

AFCRL-71
RAYTHEON COMPANY
STUDY OF IONOSPHERIC SCATTERING EFFECTS AT 50 MEGACYCLES, DECEMBER 30, 1960.
BY HOOGASIAN, H. — DDC NR. 256868
CONTRACT NR. AF 19(604)-5230
PROJ/TASK NR. 4603-46033

AFCRL-72
STANFORD RESEARCH INSTITUTE
THE ANALYSIS OF RING SPACE TRUSSES AS CIRCULAR RINGS, JANUARY 1961.
BY DAHLKE, H. J. — DDC NR. 257078
CONTRACT NR. AF 19(604)-5912
PROJ/TASK NR. 4618

AFCRL-73
GEOPHYSICS CORPORATION OF AMERICA
THE UPPER ATMOSPHERE, FEBRUARY 1961.
BY NAWROCKI, P J — DDC NR. 253271
WATANBE, K — CONTRACT NR. AF 19(604)-7405
SMITH, L G — PROJ/TASK NR. 5561-46035

AFCRL-74
GENERAL ELECTRIC COMPANY
INVESTIGATION FOR THE DEVELOPMENT OF CERAMIC BODIES FOR ELECTRON TUBES, FEBRUARY 15, 1961.
BY WISELY, H R — DDC NR. 253795
CONTRACT NR. AF 19(604)-7410
PROJ/TASK NR. 4619-46190

AFCRL-75
LITTLE, INC., ARTHUR D
FREQUENCY MIXING WITH SUPERCONDUCTING ELEMENTS, MARCH 1961.
BY SHAPIRO, S. — DDC NR.
CONTRACT NR. AF 19(604)-5889
PROJ/TASK NR. 5620-56203

AFCRL-76
RAYTHEON COMPANY
RESEARCH STUDY FOR IMPROVED OMEGATRON TUBES, FEBRUARY 21, 1961
BY — DDC NR. 254377
CONTRACT NR. AF 19(604)-7409
PROJ/TASK NR. 5620-56206

AFCRL-77
CASE INSTITUTE OF TECHNOLOGY
HIGHER ORDER EVALUATION OF ELECTROMAGNETIC FIELDS BY CIRCULAR DISKS JANUARY 31, 1961.
BY EGGIMAN, W. H. — DDC NR. 256746
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5635-56351

AFCRL-78
CASE INSTITUTE OF TECHNOLOGY
ANALYSIS OF THE INTERACTION BETWEEN A MEASURING PROBE AND A REFLECTOR, FEBRUARY 28, 1961.
BY HSU, H. P. — DDC NR. 254415
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5635-56351

AFCRL-79
POLYTECHNIC INSTITUTE OF BROOKLYN
STUDY OF SURFACE WAVES ALONG THE BOUNDARY OF TWO COAXIAL CYLINDRICAL DIELECTRIC COLUMNS IN A CIRCULAR CYLINDRICAL METALLIC WAVEGUIDE WITH EXCITATION BY A MAGNETIC RING CURRENT, OCTOBER 7, 1960.
BY SAMADDAR, S. N. — DDC NR. 260045
CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5635-56350

AFCRL-80
POLYTECHNIC INSTITUTE OF BROOKLYN
STABILITY OF LINEAR NONRECIPROCAL N-PORTS, DECEMBER 1, 1960.
BY KU, W. — DDC NR. 254439
CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5635-56350

AFCRL-82
OXFORD UNIVERSITY OF
ANTIFERROMAGNETISM OF MIXED CRYSTALS OF ZINC AND MANGANESE FLUORIDE, JANUARY 1961.
BY BAKER, J M — DDC NR.
LOURENS, J A — CONTRACT NR. AF 61(052)-125
PROJ/TASK NR. 5620-56203

AFCRL-83
OXFORD, UNIVERSITY OF
MAGNETIC SUSCEPTIBILITIES OF ERBIUM AND HOLMIUM ETHYSULPHATES, JUNE 1960.
BY COOKE, A H — DDC NR. 253433
LAZENBY, R — CONTRACT NR. AF 61(052)-92
LEASK, M J M — PROJ/TASK NR. 5620

AFCRL-85
GENERAL ELECTRIC COMPANY
RESEARCH DIRECTED TOWARD THE STUDY OF THE RADIATION DAMAGE THRESHOLDS OF THE ELEMENTS, APRIL 1961.
BY LOCATSON, P. G. — DDC NR. 259208
WALKER, R. M. — CONTRACT NR. AF 19(604)-5597
PROJ/TASK NR. 4608-46085
PROJ/TASK NR. 5620-56204

AFCRL-86
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS, FEBRUARY 1961.
BY CHODOROW, M. — DDC NR. 259701
CONTRACT NR. AF 19(604)-1993
PROJ/TASK NR. 4619-46101

AFCRL-87
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EXPERIMENTAL INVESTIGATION OF THE ELECTROMAGNETIC EFFECTS OF OPTICS, MARCH 1961.
BY BOTMAN, W — DDC NR.
WELTZ, G — CONTRACT NR.
PROJ/TASK NR. 4667-46671

AFCRL-88
POLYTECHNIC INSTITUTE OF BROOKLYN
DIFFRACTION BY A CYLINDER WITH A VARIABLE SURFACE IMPEDANCE, JANUARY 27, 1961.
BY MARCUVITZ, N. — DDC NR. 259527
FELSEN, L. B. — CONTRACT NR. AF 19(604)-6161
PROJ/TASK NR. 5639-56390

AFCRL-89
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
ECHO AREA FROM SATELLITE WAVES ACTING AS DIELECTRIC ROD ANTENNAS, JANUARY 31, 1961.
BY PETERS, JR., L — DDC NR. 256897
CONTRACT NR. AF 19(604)-7270
PROJ/TASK NR. 4699-46900

AFCRL-90
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF BARR-EARTH OXIDE CATHODES, FEBRUARY 1, 1961.
BY BAKER, J. A. — DDC NR. 259505
GAINES, G. B. — CONTRACT NR. AF 19(604)-5691
PROJ/TASK NR. 4619-46190

AFCRL-91
CONVAIR
STUDY OF MAGNETO-IONIC MODES WITH APPLICATION TO TELEMETRY FEBRUARY 14, 1961.
BY PLATO, G — DDC NR. 9788
PAPPERT, R — CONTRACT NR. AF 19(604)-7296
WOOD, D — PROJ/TASK NR. 4618-46185
WILCOX, J

AFCRL-92
STANFORD RESEARCH INSTITUTE
METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS, JANUARY 1961.
BY ROBINSON, L. — DDC NR. 256196
ANDREASEN, M. — CONTRACT NR. AF 19(604)-2260
GILDEN M. — PROJ/TASK NR. 4560-46312
JONES, R. M. T.

AFCRL-93
FRIEDMAN, INC., MORRIS D
INFLUENCE OF ULTRASOUND ON CERTAIN PHYSICAL PROPERTIES OF FERROELECTRIC SALT CRYSTALS, FEBRUARY 1961.
REPRINTED FROM IZV. AN USSR, SER. FIZ., VOL. 24, NO. 11, 1960, PP. 1367-1369
BY CHOROMSKII, Y. KH. — DDC NR. 259677
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-94
MELPAR, INC.
STUDY OF POLARIZATION MODULATION TECHNIQUES, FEBRUARY 1961.
BY FERRIS, J. F. — DDC NR. 259818
CONTRACT NR. AF 19(604)-6988
PROJ/TASK NR. 4619-46191

AFCRL-95
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
SCATTERING OF EVANESCENT WAVES BY CYLINDRICAL STRUCTURES OCTOBER 1960.
BY BORGHI, L — DDC NR. 259829
RUSSO, V — CONTRACT NR. AF 61(052)-67
TORALDO DI FRANCIA & — PROJ/TASK NR. 4600-46017
ZACCAGNINI, C

AFCRL-96
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT
SOME RESULTS FROM RIOMETER OBSERVATIONS DURING POLAR RADIO BLACKOUTS, SEPTEMBER 1960.
BY HOLT, O — DDC NR. 259960
LANDMARK, B — CONTRACT NR. AF 61(052)-88
LIED, P — PROJ/TASK NR. 4609-46095

AFCRL-97
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT
OBSERVATIONS OF ELECTRO DENSITY AND COLLISION FREQUENCY IN THE D REGION DURING POLAR RADIO BLACKOUT CONDITIONS, SEPTEMBER 1960.
BY HOLT, O — DDC NR. 259961
LANDMARK, B — CONTRACT NR. AF 61(052)-88
LIED, P — PROJ/TASK NR. 4609-46095

AFCRL-98
RAYTHEON COMPANY
(U) MF RADAR OBSERVATIONS OF MISSILE LAUNCHES, FEBRUARY 1961, SECRET
BY EDWARD, L. C. — DDC NR. 323229
CONTRACT NR. AF 19(604)-5906
PROJ/TASK NR. 4649-46496

AFCRL-99
LITTLE, INC., ARTHUR D
THE USE OF ORGANOMETALLIC COMPOUNDS IN PURIFICATION OF MAGNESIUM, CALCIUM, MERCURY, GALLIUM, RHENIUM AND NICKEL, DECEMBER 31, 1960.
BY GATTI, A. B. — DDC NR. 252963
GRAHAM, W. A. G. — CONTRACT NR. AF 19(604)-6975
PROJ/TASK NR. 5620-56204

AFCRL-100
WASHINGTON, UNIVERSITY OF
THE VARIATIONAL METHOD FOR EVALUATION OF SCATTERING OF ELECTROMAGNETIC WAVES BY OBSTACLES, II, SCATTERING BY A PERIODICALLY APERTURED CONDUCTING SCREEN, JANUARY 1961.
BY EIFRIETZ, D. H. — DDC NR. 259101
ISHIMARU, A. — CONTRACT NR. AF 19(604)-6098
HELD, G. — PROJ/TASK NR. 5630-56300

AFCRL-101
WASHINGTON, UNIVERSITY OF
DIFFRACTION BY A PERIODICALLY APERTURED CONDUCTING SCREEN, JANUARY 1961.
BY EIFRIETZ, D. H. — DDC NR. 259950
ISHIMARU A. — CONTRACT NR. AF 19(604)-6098
HELD, I. — PROJ/TASK NR. 5630-56300

AFCRL-102
POLYTECHNIC INSTITUTE OF BROOKLYN
WAVE PROPAGATION IN A MEDIUM WITH A MOVING SINUSOIDAL DISTURBANCE, NOVEMBER 17, 1960.
BY MESSEL, A. — DDC NR. 252692
OLINER, A. A. — CONTRACT NR. AF 19(604)-2051
PROJ/TASK NR. 4600-46017

AFCRL-103
STANFORD UNIVERSITY
THE GAS LAW AND THE CONDUCTIVITY OF A COLLISION-FREE PLASMA, DECEMBER 12, 1960.
BY RUMFORD, D. — DDC NR. 256267
CONTRACT NR. AF 19(604)-5680
PROJ/TASK NR. 5636-56362

AFCRL-104
ADVANCED KINETICS, INC.
ASYMMETRIC COLLAPSE ACCELERATORS FOR COUNTER HELMHOLTZ GEOMETRIES WITH INTERNAL INJECTION DECEMBER 1960.
BY WANTFE, R. W — DDC NR.
LEE, S. W — CONTRACT NR. AF 19(604)-7363
FISCHER, M — PROJ/TASK NR. 5636-56360

AFCRL-105
GEOPHYSICS CORPORATION OF AMERICA
REACTION RATES JANUARY 1961.
BY NAWROCKI, P. J — DDC NR.
CONTRACT NR. AF 19(604)-7405
FEATHERMAN, B — PROJ/TASK NR. 5561-46039

AFCRL-106
GEOPHYSICS CORPORATION OF AMERICA
MOLECULAR DIFFUSION, JANUARY 1961.
BY PAPA, R — DDC NR. 252539
CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5561-46039

AFCRL-107
WESTINGHOUSE ELECTRIC CORPORATION
STUDY, DEVELOPMENT AND APPLICATION OF TECHNIQUES NECESSARY TO FABRICATE ACTIVE SILICON CARBIDE DEVICES, DECEMBER 1, 1960.
BY CHANG, H. C. — DDC NR. 250299
WALLACE, L. P. — CONTRACT NR. AF 19(604)-5997
LEMAY, C. E. — PROJ/TASK NR. 4600-46088

AFCRL-108
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SYNTACTIC ANALYSIS IN AUTOMATIC TRANSLATION, JANUARY 1961.
BY SHERRY, M F — DDC NR. 259271
CONTRACT NR.
PROJ/TASK NR. 5632-56325

AFCRL-109
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
MINIMAL SYNTHESIS OF THE WYE-FORM TWO-OUTPUT SWITCHING NETWORK, JANUARY 1961
BY PETRICK, S R — DDC NR. 259862
CONTRACT NR.
PROJ/TASK NR. 5632-56321

AFCRL-110
ILLINOIS, UNIVERSITY OF
EXPERIMENTAL STUDY OF THE DIAMAGNETISM OF THE ELECTRON GAS IN GASEOUS PLASMAS WITH ELECTRON AND NUCLEAR SPIN RESONANCE TECHNIQUES, NOVEMBER 1, 1960.
BY MARSHALL, T. C. — DDC NR. 251759
KAUCYA R. A. — CONTRACT NR. AF 19(604)-7152
GOLDSTEIN, L. — PROJ/TASK NR. 5634-56342

AFCRL-111
CALIFORNIA, UNIVERSITY OF
MINIMAL-TIME DISCRETE SYSTEM, NOVEMBER 15, 1960.
BY DESOER, C. A. — DDC NR. 254012
WING, J. — CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 4612-56170

AFCRL-112
FRIEDMAN, INC., MORRIS D
GEOMETRIC OPTIC IN LORACHEVSKII SPACE, JANUARY 1961.
REPRINTED FROM NOVSH. FIZ.-MATE. NAUKI, NO. 5, 1959, PP. 7-8
BY GOLOVATY, M. G. — DDC NR. 251771
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-114
CENTRO DI STUDIO PER LA FISICA DELLE, FLORENCE, ITALY
METEOR DATA BULLETIN, APRIL 1960.
BY CARRAR, B — DDC NR. 259287
CHECCACCI, P F — CONTRACT NR. AF 61(052)-227
CONSORTINI, A — PROJ/TASK NR. 5630
ARDOZZO, L B
SCHAFFNER, M
VERNIANI, F

AFCRL-115
CENTRO DI STUDIO PER LA FISICA DELLE, FLORENCE, ITALY
METEOR DATA BULLETIN, APRIL 1960.
BY CARRARA, N — DDC NR.
CHECCACCI, P F — CONTRACT NR. AF 61(052)-227
CORSORTINI, A — PROJ/TASE NR. 9630
ARBOZZO, L B
SCHAFFNER, M
VERNIANI, F

AFCRL-116
CENTRO DI STUDIO PER LA FISICA DELLE, FLORENCE, ITALY
OBSERVATIONS ON THE QUADRANTID SHOWER, MARCH 1960.
BY CHECCACCI, P F — DDC NR.
SCHAFFNER, M — CONTRACT NR. AF 61(052)-227
PROJ/TASE NR. 9630

AFCRL-117
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
ON THE DENSITY OF BRIGHT METEORS, AUGUST 1960.
BY VERNIANI, F — DDC NR. 259290
CONTRACT NR. AF 61(052)-227
PROJ/TASE NR. 9630

AFCRL-118
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
RESEARCH ON METEOR BURST PROPAGATION, SEPTEMBER 1960.
BY — DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASE NR. 9630

AFCRL-119
CHALMERS UNIVERSITY OF TECHNOLOGY
A NEW METHOD FOR SPACE CHARGE WAVE INTERACTION STUDIES. PART II, 1960.
REPRINTED FROM AVD, FLEKTRONIKK 60, NO. 228, 1960
BY OLVING, S — DDC NR. 259303
CONTRACT NR. AF 61(052)-159
PROJ/TASE NR. 4618-56X0

AFCRL-121
CHALMERS UNIVERSITY OF TECHNOLOGY
PAPERS PRESENTED AT THE FOURTH INTERNATIONAL CONFERENCE ON IONIZATION PHENOMENA IN GASES AT UPPSALA, AUGUST 17-21, 1959. (1960)
REPRINTED FROM PROCEEDINGS OF THE CONFERENCE
BY — DDC NR. 259305
CONTRACT NR. AF 61(052)-159
PROJ/TASE NR. 4618-5630

AFCRL-122
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THEORETICAL AND EXPERIMENTAL RESEARCH ON THERMOELECTRICITY AT THE ENERGY CONVERSION GROUP, M/D(1961).
BY — DDC NR. 259716
CONTRACT NR. AF 19(604)-6159
PROJ/TASE NR. 9621-56212

AFCRL-123
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS.
BY POHRMANN J. H. — DDC NR. 256516
CONTRACT NR. AF 19(604)-2679
PROJ/TASE NR. 9671-56716

AFCRL-126
STANFORD RESEARCH INSTITUTE
RESEARCH ON VLF PROPAGATION IN ARCTIC REGIONS - GEOPHYSICAL EFFECTS FEBRUARY 1961.
BY WAITSON, A L — DDC NR. 256002
CONTRACT NR. AF 19(604)-7250
PROJ/TASE NR. 5631-56311

AFCRL-126
NEW YORK UNIVERSITY
RESEARCH ON THE PREPARATION OF PURE METALS, PERIOD COVERING SEPTEMBER 1, 1959 TO MARCH 15, 1960.
BY MARSEL C. J. — DDC NR. 256706
ADRIANOFF, M. — CONTRACT NR. AF 19(604)-8129
PROJ/TASE NR. 5620-56206

AFCRL-127
STANFORD UNIVERSITY
MICROWAVE AND RADIANT STUDIES, DECEMBER 30, 1960.
BY — DDC NR. 253292
CONTRACT NR. AF 19(604)-2193
PROJ/TASE NR. 4603-46033

AFCRL-128
PAREF MATHEMATICAL LABORATORIES, INC.
TWO PAPERS ON THE THEORY OF BOOLEAN FORMULAS MINIMAL INCLUDING SUMS, I AND II, MARCH 1961
BY SAMSON P. W. — DDC NR. 257680
CALABI, L. — CONTRACT NR. AF 19(604)-3671
PROJ/TASE NR. 5632-56321

AFCRL-129
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DYNAMIC ANALOG SPEECH SYNTHESIZER FEBRUARY 10 1960
BY ROSEN, G — DDC NR.
CONTRACT NR. AF 19(604)-8102
PROJ/TASE NR. 4610-46102

AFCRL-130
POLYTECHNIC INSTITUTE OF BROOKLYN
GUIDING AND SCATTERING BY SINUSOIDALLY-MODULATED REACTANCE SURFACES, JUNE 1960.
BY HESSEL, A — DDC NR. 257187
CONTRACT NR. AF 19(604)-2091
PROJ/TASE NR. 4600-46017

AFCRL-131
AVCO CORPORATION
INVESTIGATION OF THERMAL IMAGING TECHNIQUES, FINAL REPORT APRIL 10, 1961.
BY LASZLO, I S — DDC NR. 259606
SHEEHAN, JR., P J — CONTRACT NR. AF 19(604)-7206
PROJ/TASE NR. 5634-56340

AFCRL-132
BOSTON UNIVERSITY
CORRELATION THEORY OF STATIONARY ELECTROMAGNETIC FIELDS IN THE PRESENCE OF RANDOM SOURCES MARCH 1961.
BY ROMAN, P — DDC NR. 256339
CONTRACT NR. AF 19(604)-8022
PROJ/TASE NR. 5635-56351

AFCRL-133
BOEING COMPANY
THE DOMINANT CUTOFF WAVELENGTH OF A LUNAR LINE, FEBRUARY 1961.
BY HU, A Y — DDC NR. 260192
ISHIMARU, A — CONTRACT NR. AF 19(604)-8189
PROJ/TASE NR. 6699-66997

AFCRL-134
RADIO CORPORATION OF AMERICA
INVESTIGATIONS OF FUNDAMENTAL LIMITATIONS OFTERMINING THE ULTIMATE SIZE OF MICROSTRUCUTRES, MARCH 31, 1961.
BY WALLMARK, J T — DDC NR.
MARCUS, S M — CONTRACT NR. AF 19(604)-8060
PROJ/TASE NR. 5631-56312

AFCRL-136
SYLVANIA ELECTRONIC SYSTEMS
FINITE BINARY SQUENCES, MAY 12, 1961.
BY — DDC NR. 259760
CONTRACT NR. AF 19(604)-6659
PROJ/TASE NR. 4610-46104

AFCRL-138
ROME, UNIVERSITY OF
MODES IN RECTANGULAR GUIDES LOADED WITH A TRANSVERSELY MAGNETIZED SLAB OF FERRITE AWAY FROM THE SIDE WALLS, JULY 30, 1960.
BY BARZILAI, F — DDC NR. 253077
GEROSA, G — CONTRACT NR. AF 61(052)-101
PROJ/TASE NR. 5610-56100

AFCRL-139
AVCO CORPORATION
PREDICTED PERFORMANCE OF A HIGH-FREQUENCY POLAR-COMMUNICATION NETWORK DURING AN IONOSPHERIC STORM, APRIL 1961.
BY MACDONALD, H. J. — DDC NR. 259756
PERKOFF, R. — CONTRACT NR. AF 19(604)-6002
HILL, G F — PROJ/TASE NR. 6603-66035

AFCRL-140
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS, MARCH 16, 1961.
BY APPLEE, J. H. — DDC NR. 262776
CONTRACT NR. AF 19(604)-6099
PROJ/TASE NR. 6196-66110

AFCRL-161
SYLVANIA ELECTRIC PRODUCTS, INC.
MULTIWAVE TRANSMISSION LINE AND SEMICONDUCTOR SWITCHING ELEMENTS STUDIES, FEBRUARY 28, 1961.
BY — DDC NR. 256421
CONTRACT NR. AF 19(604)-5674
PROJ/TASE NR. 4610-46101

AFCRL-162
PLANNING RESEARCH CORPORATION
CONCEPTS AND OBJECTIVES FOR A THREAT EVALUATION/ACTION SELECTION SIMULATION RESEARCH FACILITY, FEBRUARY 15, 1961.
BY ODDSON, J D — DDC NR.
FOX, B E — CONTRACT NR. AF 19(604)-7391
GARFUNKEL, I M — PROJ/TASE NR. 6690-66902
HYSTROM, C O
SCHWARZ, J J

AFCRL-163
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
STOCHASTIMETRIC STUDY OF SIGNAL AMPLITUDE DISTRIBUTION VARIATION, APRIL 1961
BY MARCH, H W — DDC NR.
SWIRALUS, B A — CONTRACT NR.
PROJ/TASE NR. 5631-56317

AFCRL-166
GENERAL ELECTRIC COMPANY
(U) PROJECT TRAS, RESEARCH PLANNING FOR POST-1970 COMMAND AND CONTROL SYSTEMS, FEBRUARY 2, 1961, SECRET
BY — DDC NR. 323096
CONTRACT NR. AF 19(604)-5881
PROJ/TASE NR. 6690-66900
PROJ/TASE NR. 6691-66910

AFCRL-169
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RECIPROCITY OF REFLECTION COEFFICIENT FOR A SHARPLY BOUNDED IONOSPHERE, MARCH 1960.
BY BIRNBAUM, I — DDC NR. 260272
CONTRACT NR.
PROJ/TASE NR. 5631-56317

AFCRL-167
NEW MEXICO, UNIVERSITY OF
(U) A THEORETICAL MODEL FOR THE ELECTRON DENSITY BEHIND A ROCKET ENGINE OPERATING AT IONOSPHERIC ALTITUDES, MARCH 1961, SECRET
BY POST D. F. — DDC NR.
SWAIN, G. R. — CONTRACT NR. AF 19(604)-7698
PROJ/TASE NR. 4606

AFCRL-168
AVCO CORPORATION
RELATION BETWEEN IONOSPHERIC AND GEOMAGNETIC STORMS, FEBRUARY 1961.
BY ROWEE, G. P. — DDC NR. 256217
CONTRACT NR. AF 19(604)-6092
PROJ/TASE NR. 4603-46035

AFCRL-149
CALIFORNIA, UNIVERSITY OF
MINIMAL TIME REGULATOR PROBLEMS FOR LINEAR SAMPLED-DATA SYSTEMS GENERAL THEORY, FEBRUARY 16, 1961.
BY DESOER, C. A. DDC NR. 256853
WING, J. CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 5632-56320

AFCRL-150
STANFORD RESEARCH INSTITUTE
AN ANTENNA ARRAY OF LONGITUDINALLY-SLOTTED DIELECTRIC-LOADED WAVEGUIDES, MARCH 1961.
BY SHARP, E. D. DDC NR. 259767
JONES, E. M. T. CONTRACT NR. AF 19(604)-1502
PROJ/TASK NR. 4618-46181

AFCRL-151
AERO-GEO ASTRO CORPORATION
A STUDY OF FLUSH-MOUNTED AIRBORNE ANTENNAS FOR FERRET AND ECM APPLICATIONS, MARCH 23, 1961.
BY ROBIE, D. W. DDC NR. 259022
GROSS, B. R. CONTRACT NR. AF 19(604)-5681
PROJ/TASK NR. 4618-46180

AFCRL-152
RADIO CORPORATION OF AMERICA
NEGATIVE MASS CARRIER PHENOMENA BY CYCLOTRON RESONANCE TECHNIQUES, FINAL REPORT, MARCH 15, 1961.
BY DOUSMANIS, G. C. DDC NR. 258898
DUNCAN, JR., R. C. CONTRACT NR. AF 19(604)-5670
FAUGHNAN, D. W. PROJ/TASK NR. 5621

AFCRL-153
PARKE MATHEMATICAL LABS., INC.
RELATIONS BETWEEN SWITCHING NETWORKS AND BOOLEAN FORMULAS, MARCH 1961.
BY CALABI, L. DDC NR. 267262
CONTRACT NR. AF 19(604)-5671
PROJ/TASK NR. 5632-56323

AFCRL-154
PARKE MATHEMATICAL LABORATORIES, INC.
FOUNDATIONS FOR A GENERAL THEORY OF BOOLEAN FORMULAS II, MARCH 1961.
BY RILEY, J. A. DDC NR. 267263
CONTRACT NR. AF 19(604)-5671
PROJ/TASK NR. 5632-56323

AFCRL-155
PHILCO CORPORATION
RESEARCH ON MONOCRYSTALLINE SEMICONDUCTOR FILMS, FINAL TECHNICAL REPORT, JANUARY 31, 1961.
BY BLOMGREN, M. DDC NR. 256873
CARROLL, T. J. CONTRACT NR. AF 19(604)-5522
LEVER, R. F. PROJ/TASK NR. 4155-46212
LOEMB, H. L.
POWERS, J. K.
RICHARDS, J. L.
SIRGO, V. M.
WOOD, C.

AFCRL-156
NEW YORK UNIVERSITY
DIFFRACTION BY A SEMI-INFINITE SCREEN WITH A ROUNDED END, MARCH 1961.
BY MAGNUS, D. G. DDC NR. 257701
KELLER, J. B. CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5635-56350

AFCRL-157
FRIEDMAN, INC., MORRIS D
SOLUTION OF THE INVERSE DIFFRACTION PROBLEM, MARCH 1961, REPRINTED FROM NER, MATE, ZMW, VOL. 12, NO. 2, 1960, PP. 476-479.
BY PETRINA, D. IA. DDC NR. 255678
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-158
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
STUDIES AND MEASUREMENTS MADE OF THE SOLAR ECLIPSE OF OCTOBER 2, 1959, APRIL 1961.
BY AARONS, J DDC NR. 261755
CONTRACT NR.
PROJ/TASK NR. 5631-56319

AFCRL-159
CORNELL AERONAUTICAL LABORATORY, INC.
PROJECT TEJAS, CONCEPTUAL FORMULATION OF A GENERALIZED THREAT EVALUATION AND ACTION SELECTION FUNCTION, MAY 1961
BY BRAUNSTEIN, M. L DDC NR.
ROTH, F. W CONTRACT NR. AF 19(604)-7361
PROJ/TASK NR. 4690-46901

AFCRL-160I
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS, PART I, MARCH 1961.
BY ANDREASEN, M. G. DDC NR. 256883
CARTER, JR., P. S. CONTRACT NR. AF 19(604)-2260
GARRIEL, M. P. PROJ/TASK NR. 4560-46312

AFCRL-160II
STANFORD RESEARCH INSTITUTE
(U) INVESTIGATION OF METHODS OF SCANNING THE BEAM OF LARGE ANTENNAS, PART II MARCH 1961, CONFIDENTIAL
BY GARRIEL, M. P. DDC NR.
CONTRACT NR. AF 19(604)-2260
PROJ/TASK NR. 4560-46312

AFCRL-161
CHALMERS UNIVERSITY OF TECHNOLOGY
THE PROPAGATION AND COUPLING OF WAVES IN INHOMOGENEOUS MEDIA WITH APPLICATIONS TO ELECTROMAGNETIC AND SPACE CHARGE WAVES, (ON THE PROPAGATION OF WAVES IN THE INHOMOGENEOUS MEDIUM II) 1960.
BY RYDBECK, O. E. H DDC NR.
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5610

AFCRL-162
CHALMERS UNIVERSITY OF TECHNOLOGY
ELECTROMAGNETIC AND SPACE CHARGE WAVES IN INHOMOGENEOUS STRUCTURES WITH APPLICATIONS TO IONIZED MEDIA AND MICROWAVE TUBES, 1960.
BY RYDBECK, O. E. H DDC NR.
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5610

AFCRL-163
CHALMERS UNIVERSITY OF TECHNOLOGY
RESEARCH IN THE FIELD OF PROPAGATION AND INTERACTION OF ELECTROMAGNETIC WAVES AND SPACE CHARGE TYPE WAVES IN HOMOGENEOUS AND INHOMOGENEOUS MEDIA, DECEMBER 1960.
BY RYDBECK, O. E. H DDC NR.
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5610

AFCRL-164
DENMARK, TECHNICAL UNIVERSITY OF
NUMERICAL INVESTIGATION OF THE EQUIVALENT IMPEDANCE OF A WIRE GRID PARALLEL TO THE INTERFACE BETWEEN TWO MEDIA, AUGUST 1960.
BY LARSEN, T DDC NR. 256621
CONTRACT NR. AF 61(052)-319
PROJ/TASK NR. 4600-46009

AFCRL-165
LONDON, UNIVERSITY OF
AUTOMATIC SPEECH RECOGNITION EXPERIMENTS WITH A RECOGNIZER USING LINGUISTIC STATISTICS, SEPTEMBER 1960.
BY DENES, P DDC NR. 259078
CONTRACT NR. AF 61(514)-1174
PROJ/TASK NR. 4610-46102

AFCRL-166
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
OBSERVATIONS ON THE SATELLITE 1960 EPSILON 1, SEPTEMBER 1960.
BY CHECCACCI, P F DDC NR. 256923
CONTRACT NR. AF 61(052)-182
PROJ/TASK NR. 5631-56319

AFCRL-167
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
OBSERVATIONS ON THE SATELLITES 1960 ETA 1 AND 1960 ETA 2, SEPTEMBER 1960.
BY CHECCACCI, P F DDC NR. 256924
CONTRACT NR. AF 61(052)-182
PROJ/TASK NR. 5631-56319

AFCRL-168
IONOSPHAREN-INSTITUT BREISACH, GERMANY
RESEARCH ON AND RECORDING OF RF-SIGNALS FROM SATELLITES, DECEMBER 31, 1960.
BY HESS, H A DDC NR. 259828
CONTRACT NR. AF 61(052)-165

AFCRL-169
CHALMERS UNIVERSITY OF TECHNOLOGY
THE DOPPLER EFFECT IN DISPERSIVE, INHOMOGENEOUS MEDIA WITH
PROJ/TASK NR. 1770
APPLICATIONS TO ELECTROMAGNETIC WAVES IN IONIZED MEDIA, 1960.
BY RYDBECK, O. E. H DDC NR.
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5610

AFCRL-170
CHALMERS UNIVERSITY OF TECHNOLOGY
THE ELECTROMAGNETIC COUPLING BETWEEN AN ELECTRON BEAM AND INCIDENT PLANE WAVES FOR AN AXIALLY FINITE INTERACTION DOMAIN, 1960.
BY WILHELMSSON, E. H. R DDC NR.
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 5610

AFCRL-171
DENMARK, TECHNICAL UNIVERSITY OF
THE ELECTRIC FIELD AT THE GROUND PLANE NEAR A DISK-LOADED MONOPOLE, NOVEMBER 1960.
BY HANSEN, J DDC NR. 256622
LARSEN, T CONTRACT NR. AF 61(052)-319
PROJ/TASK NR. 4600

AFCRL-172
DENMARK, TECHNICAL UNIVERSITY OF
ECONOMICAL OPTIMUM DISTANCE BETWEEN WIRES OF A GROUND WIRE SYSTEM, NOVEMBER 1960.
BY LARSEN, T DDC NR. 256623
CONTRACT NR. AF 61(052)-319
PROJ/TASK NR. 4600

AFCRL-173
NEW YORK UNIVERSITY
A CONVERGENT FARFIELD EXPANSION FOR TWO-DIMENSIONAL RADIATION FUNCTIONS, APRIL 1961.
BY KARP, S. N. DDC NR. 259961
CONTRACT NR. AF 19(604)-8278
PROJ/TASK NR. 5635-56350

AFCRL-174
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE IDENTIFICATION OF NESTED STRUCTURES IN PREDICTIVE SYNTACTIC ANALYSES, MAY 1961.
BY SHERRY, M. E DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56329

AFCRL-175
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A PERIODIC STRUCTURE OF CYLINDRICAL POSTS IN A RECTANGULAR WAVEGUIDE, APRIL 1961.
BY OLINER, A. A DDC NR. 260722
CONTRACT NR.
PROJ/TASK NR. 4600-46013

AFCRL-176
DENMARK, TECHNICAL UNIVERSITY OF
THE E-FIELD- AND H-FIELD LOSSES AROUND ANTENNAS WITH A RADIAL GROUND WIRE SYSTEM, OCTOBER 1960.
BY LARSEN, T
DDC NR. 254624
CONTRACT NR. AF 61(052)-319
PROJ/TASK NR. 4600

AFCRL-177
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ANNOTATED BIBLIOGRAPHIES, AUTOMATIC DATAPROCESSING, COMFRENCE THEORY, APRIL 1961.
REPRINTED FROM JOURN. OF RESEARCH OF THE NAT. BU. OF STAND. V. 64D, #6, PP. 742-745, NOV-DEC 1960
BY DRANE, JR., C J
PARRENT, JR., G B
DDC NR. 267781
CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-178
NEW YORK UNIVERSITY
IMPROVEMENT OF TWO-WAY COMMUNICATION BY MEANS OF FEEDBACK
MARCH 15, 1961.
BY CHANG, S S L
DDC NR. 259141
CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 4610-46104

AFCRL-179
NEW YORK UNIVERSITY
PERTURBATION METHODS IN A PROBLEM OF WAVEGUIDE THEORY,
MARCH 1961.
BY FOX, D.
MAGNUS, W.
DDC NR.
CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5635-56350

AFCRL-180
ELECTRONIC COMMUNICATIONS, INC.
STEERABLE ANTENNA TECHNIQUES FOR AIRBORNE FERRET RECONNAISSANCE, MARCH 31, 1961.
BY PACKARD, R. F.
COHN, M.
DDC NR. 255821
CONTRACT NR. AF 19(604)-5234
PROJ/TASK NR. 4616-46160

AFCRL-181
HARVARD UNIVERSITY
PRESSURE DEPENDENCE OF FERRIMAGNETIC RESONANCE PROPERTIES, JUNE 10, 1960.
BY KAMINOW, I. P.
JONES, R. V.
DDC NR. 256705
CONTRACT NR. AF 19(604)-5487
PROJ/TASK NR. 5633-56331

AFCRL-182
DORNE AND MARGOLIN, INC.
STUDY OF BROADBAND SEARCH ANTENNAS FOR ECM APPLICATIONS, MARCH 1961.
BY KANE, J.
RODRIGUEZ, M. J.
DDC NR. 260350
CONTRACT NR. AF 19(604)-5463
PROJ/TASK NR. 4615 46151

AFCRL-183
BATTELLE MEMORIAL INSTITUTE
INVESTIGATIONS OF RARE-EARTH OXIDE CATHODES, PERIOD COVERING MAY 1, 1959 TO MARCH 31, 1961.
BY BAKER, J. B.
GAINES, G. B.
DDC NR. 255304
CONTRACT NR. AF 19(604)-5691
PROJ/TASK NR. 4619-46190

AFCRL-184
NEW MEXICO, UNIVERSITY OF
RECOMBINATION AND ATTACHMENT PROCESSES IN A REGION OF NON-UNIFORM DENSITY AT IONOSPHERIC ALTITUDES, MARCH 1961.
BY SWAIN, G. R.
DDC NR. 262740
CONTRACT NR. AF 19(604)-2436
PROJ/TASK NR. 4506

AFCRL-185
NEW MEXICO, UNIVERSITY OF
(U) THEORETICAL STUDIES OF GEOMETRICAL CONSIDERATIONS FOR IONOSPHERIC RADIO WAVE REFLECTIONS, MARCH 1961. SECRET
BY JORDAN, E. L.
POST D. F.
SWAIN, G. R.
DDC NR. 323680
CONTRACT NR. AF 19(604)-2436
PROJ/TASK NR. 4506

AFCRL-186 (I)
SYRACUSE UNIVERSITY
TIME RESPONSE CHARACTERISTICS OF LINEAR NETWORKS AND TRANSFORMATION METHODS IN NETWORK SYNTHESIS, PART I, AUGUST 1961.
BY BRULE, J D
JOHNSON, R A
DDC NR.
CONTRACT NR. AF 19(604)-6142
PROJ/TASK NR. 5632-56323

AFCRL-186(II)
SYRACUSE UNIVERSITY
TIME RESPONSE CHARACTERISTICS OF LINEAR NETWORKS AND TRANSFORMATION METHODS IN NETWORK SYNTHESIS PART II, MAY 30, 1961.
BY BRULE, J D
SHAH, B P
DDC NR.
CONTRACT NR. AF 19(604)-6142
PROJ/TASK NR. 5632-56323

AFCRL-187
JOHNS HOPKINS UNIVERSITY
REPRESENTATION AND ANALYSIS OF SIGNALS, PART VIII, REPRESENTATION OF ELECTRO-CARDIOGRAM, BY ORTHOGONALIZED EXPONENTIALS, MARCH 1961.
BY YOUNG, T. Y.
HUGGINS, W. H.
DDC NR. 256364
CONTRACT NR. AF 19(604)-1941
PROJ/TASK NR. 5632

AFCRL-188
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON THE DESIGN OF A SIMPLE CONDITIONED-RESPONSE MACHINE, APRIL 1961
BY MCINTOSH, J O
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56325

AFCRL-189
RADIO CORPORATION OF AMERICA
INTEGRATED COMPUTER CIRCUITS USING UNIPOLAR TRANSISTORS, JANUARY 15, 1961.
BY MARCUS, S. M.
SZEKELEY, M. E.
HOFSTEIN, S. R.
WALLMARK, J. T.
DDC NR.
CONTRACT NR. AF 19(604)-5561
PROJ/TASK NR. 4612-46121

AFCRL-190
SYLVANIA ELECTRONIC SYSTEMS
CROSS-COUPLING IN MULTIPLE BEAM ANTENNAS, APRIL 1961.
BY
DDC NR. 257485
CONTRACT NR. AF 19(604)-7237
PROJ/TASK NR. 4600-46071

AFCRL-191
REMINGTON RAND UNIVAC
MATHEMATICAL CIRCUIT ANALYSIS AND DESIGN, MARCH 1961.
BY BROWN, A.
HULLS, L. R.
KASKEY, G. L.
MULLOCK, P. J.
PRYWES, N. S.
STEINBERG, L.
SPANDORFER, L.
TAN, S. T.
DDC NR. 259786
CONTRACT NR. AF 19(604)-5189
PROJ/TASK NR. 5632-56321

AFCRL-192
THE EAGLE-PICHER COMPANY
ELECTRONIC GRADE SILICON VIA THE IODIDE PROCESS, MARCH 1961.
BY BUFORD, J. T.
DDC NR. 256751
CONTRACT NR. AF 19(604)-3057
PROJ/TASK NR. 4608-46086

AFCRL-193
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
FINAL ENGINEERING REPORT, PERIOD COVERING JANUARY 1, 1960 TO DECEMBER 31, 1960, JANUARY 1, 1961.
BY
DDC NR. 255839
CONTRACT NR. AF 19(604)-6157
PROJ/TASK NR. 4600-46017

AFCRL-194
ALASKA, UNIVERSITY OF
AN HF SWEEP FREQUENCY STUDY OF THE ARCTIC IONOSPHERE
APRIL 1961
BY BATES, H F
DDC NR. 257534
CONTRACT NR. AF 19(604)-5574
PROJ/TASK NR. 5631

AFCRL-195
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
MICROWAVE GENERATION IN YTTRIUM - IRON GARNET SUBJECTED TO MAGNETIC FIELDS, APRIL 1961.
BY STIGLITZ, M R
MORGENTHALER, F R
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4601-46016

AFCRL-196
AMERICAN OPTICAL COMPANY
CYLINDRICAL DIELECTRIC WAVEGUIDE MODES, APRIL 1961.
BY SNITZER, E
DDC NR.
CONTRACT NR. AF 19(604)-7207
PROJ/TASK NR. 4600-46017

AFCRL-197
AMERICAN OPTICAL COMPANY
OBSERVED DIELECTRIC WAVEGUIDE MODES IN THE VISIBLE SPECTRUM
APRIL 1961.
BY SNITZER, E
OSTERBERG, H
DDC NR.
CONTRACT NR. AF 19(604)-7207
PROJ/TASK NR. 4600-46017

AFCRL-198
LOCKHEED AIRCRAFT CORPORATION
A STUDY OF HYDROMAGNETIC EMISSIONS, APRIL 14, 1961.
BY TEPLEY, L. R.
DDC NR. 260280
CONTRACT NR. AF 19(604)-5906
PROJ/TASK NR. 5631-56711

AFCRL-199
STANFORD RESEARCH INSTITUTE
RADIATION FROM VARIABLE-REACTANCE SURFACE-WAVE ANTENNAS, MARCH 1961.
BY ANDREASEN, M. G.
DDC NR. 256672
CONTRACT NR. AF 19(604)-3502
PROJ/TASK NR. 4615-46151

AFCRL-200
TRAVELERS WEATHER RESEARCH CENTER
CALIBRATION OF QUALITATIVE OR QUANTITATIVE VARIABLES FOR USE IN MULTIPLE-GROUP DISCRIMINANT ANALYSIS, JANUARY 1961.
BY BRYAN, J. G.
DDC NR. 251139
CONTRACT NR. AF 19(604)-5207
PROJ/TASK NR. 8628-86281

AFCRL-201
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES VI OPTICAL PROPERTIES OF CHEMILUMINESCENT CLOUDS FOR TWO-BODY CHEMICAL REACTIONS WITHOUT DIFFUSION JANUARY 1961 .
BY PRESSMAN, J
BROWN, H K
MARMO, F F
DDC NR. 249817
CONTRACT NR. AF 19(604)-7269
PROJ/TASK NR. 7673

AFCRL-202
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES V RECOMBINATION DURING RADIAL FREE EXPANSION OF A PLASMA SPHERE, JANUARY 1961.
BY BERGER, A W
GOLOMB, D
DDC NR.
CONTRACT NR. AF 19(604)-7269
PROJ/TASK NR. 7673

AFCRL-203
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
AIDS FOR COMPUTING STRATOSPHERIC MOISTURE, JANUARY 1961
BY GUTNICK, M — DDC NR. 251608 — CONTRACT NR. — PROJ/TASK NR. 8624-86241

AFCRL-204
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
SOME APPLICATIONS OF THE METHOD OF LEAST SQUARES TO ESTIMATING THE PROBABILITY OF A FUTURE EVENT, JANUARY 1961
BY LUND, I A — DDC NR. 255989 — CONTRACT NR. — PROJ/TASK NR. 8641-86411

AFCRL-206
AERO SERVICE CORPORATION
TERRAIN ANALYSIS OF ICE-FREE LAND SITES IN ARCTIC CANADA, FINAL REPORT, FEBRUARY 1961.
BY PRESSMAN, A E; STITT, R L; MONTANARI, J H; BLESCH, R R — DDC NR. — CONTRACT NR. AF 19(604)-6182 — PROJ/TASK NR. 7628

AFCRL-207
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES VII OPTICAL PROPERTIES OF RESONANCE CLOUDS WITH DIFFUSION, FOR VARIOUS INITIAL RELEASE GEOMETRIES, JANUARY 161.
BY PRESSMAN, J; MARMO, F F; BROWN, H K — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7673

AFCRL-208
AKRON, UNIVERSITY OF
INVESTIGATIONS OF VIBRATION-ROTATION LINE INTENSITIES OF INFRARED BANDS, FINAL REPORT, NOVEMBER 30, 1960.
BY HANSON, H M — DDC NR. 253594 — CONTRACT NR. AF 19(604)-6126 — PROJ/TASK NR. 8603

AFCRL-209
BARNES ENGINEERING COMPANY
(U) RADIATION MEASUREMENTS FROM MAJOR MISSILES, DECEMBER 31, 1960, SECRET
BY SIMEONE, R. A.; BUCKLEY, R. E. — DDC NR. 322222 — CONTRACT NR. AF 19(604)-5959 — PROJ/TASK NR. 4236

AFCRL-210
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES III SOME THEORETICAL CONSIDERATIONS RELATING TO RADIATIVE RECOMBINATIONS JANUARY 1961 .
BY NAQVI, A M — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7673

AFCRL-211
WASHINGTON, UNIVERSITY OF
A STUDY OF SQUALL LINE FORMATION IN TWO CASES, MAY 1961.
BY REED, R. J.; PRANTNER, G. D. — DDC NR. — CONTRACT NR. AF 19(604)-5192 — PROJ/TASK NR. 8641-86414

AFCRL-212
COLUMBIA UNIVERSITY
SEISMIC STUDIES OF SEA ICE,
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH VOL. 65, NO. 10, OCTOBER 1960
BY HUNKINS, K. — DDC NR. 250375 — CONTRACT NR. AF 19(604)-2030 — PROJ/TASK NR. 7628

AFCRL-213
MCGILL UNIVERSITY
A SYNOPTIC CLIMATOLOGY FOR PARTS OF THE WESTERN CORDILLERA, FEBRUARY 1961.
BY WALKER, E. R. — DDC NR. 255214 — CONTRACT NR. AF 19(604)-3865 — PROJ/TASK NR. 7614

AFCRL-214
MCGILL UNIVERSITY
A DYNAMICAL STUDY OF THE 1958-59 STRATOSPHERIC POLAR VORTEX, FEBRUARY 1961.
BY BOVILLE, B. W. — DDC NR. 255056 — CONTRACT NR. AF 19(604)-3865 — PROJ/TASK NR. 7614

AFCRL-215
ITT FEDERAL LABORATORIES
RESEARCH ON THE DETECTION OF INFRARED EMISSION FROM SATELLITE VEHICLES, DECEMBER 1960.
BY HALL, JR., F. F.; STANLEY, C. V.; DIXON, T. P. — DDC NR. 257170 — CONTRACT NR. AF 19(604)-4971 — PROJ/TASK NR. 7670-76705

AFCRL-216
HARVARD UNIVERSITY
THE FINE STRUCTURE OF SOLAR PROMINENCES, FEBRUARY 1961
BY MENZEL, D. H.; WOLBACH, J. G. — DDC NR. 250973 — CONTRACT NR. AF 19(604)-4962 — PROJ/TASK NR. 7649

AFCRL-217
HARVARD UNIVERSITY
SOME STATISTICS OF SOLAR RADIO BURSTS AT SUNSPOT MAXIMUM, FEBRUARY 1961.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOLUME 65, NO. 11, NOVEMBER 1960
BY MAXWELL, A.; HOWARD, III, W. E.; GARMIRE, G. — DDC NR. 251028 — CONTRACT NR. AF 19(604)-1394 — PROJ/TASK NR. 7649

AFCRL-218
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES VIII SOME COMMENTS ON SHKLOVSKY AND KURT-S MEASUREMENT OF THE DENSITY AT 430 KMS BY SODIUM RESONANCE CLOUD TECHNIQUES JANUARY 1961.
BY PRESSMAN, J; MARMO, F F — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7673

AFCRL-219
DENVER, UNIVERSITY OF
DISTRIBUTION OF WATER VAPOR IN THE STRATOSPHERE AS DETERMINED FROM INFRARED ABSORPTION MEASUREMENTS, JANUARY 1961.
BY MURCRAY, D G; MURCRAY, F H; WILLIAMS, W J — DDC NR. 254613 — CONTRACT NR. AF 19(604)-7429 — PROJ/TASK NR. 7670

AFCRL-220
GENERAL MILLS, INC.
THE REVERSAL OF STRATOSPHERIC WINDS OVER NORTH AMERICA IN 1958, JANUARY 9, 1961.
BY BELMONT, A D — DDC NR. 250492 — CONTRACT NR. AF 19(604)-6618 — PROJ/TASK NR. 8645

AFCRL-221
GENERAL MILLS, INC.
THE REVERSAL OF STRATOSPHERIC WINDS OVER NORTH AMERICA IN 1959, JANUARY 20, 1961.
BY BELMONT, A D — DDC NR. 250526 — CONTRACT NR. AF 19(604)-6618 — PROJ/TASK NR. 8645

AFCRL-222
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES I TIME VARYING CONCENTRATION FIELD OF A SINGLE SUBSTANCE WITH AN INITIAL ARBITRARY CONFIGURATION IN FREE SPACE JANUARY 1961.
BY BROWN, H K; MARMO, F F; PRESSMAN, J — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7673

AFCRL-223
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES II COUPLED TIME VARYING CONCENTRATION FIELD EQUATIONS OF TWO SUBSTANCES WITH INITIAL ARBITRARY CONFIGURATIONS IN FREE SPACE, JANUARY 1961
BY BROWN, H K; MARMO, F F; PRESSMAN, J — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7673

AFCRL-224
ARCTIC INSTITUTE OF NORTH AMERICA
OCEANOGRAPHIC OBSERVATIONS ON FLETCHERS ICE ISLAND<T-3> WINTER 1959-1960, JANUARY 1961.
BY MUGURUMA, J. — DDC NR. 259119 — CONTRACT NR. AF 19(604)-3073 — PROJ/TASK NR. 7628

AFCRL-225
ILLINOIS, UNIVERSITY OF
STUDIES OF RADAR-DEPICTED PRECIPITATION LINES, FEBRUARY 15, 1961.
BY CHANGNON, JR., S A; HUFF, F. A. — DDC NR. 252197 — CONTRACT NR. AF 19(604)-6940 — PROJ/TASK NR. 6672

AFCRL-226
TEXAS, A & M COLLEGE OF
SOME EFFECTS OF RANGE UPON AN/CPS-9 RADAR REFLECTIVITIES IN THUNDERSTORMS JANUARY 1961.
BY SANFORD, T E — DDC NR. 256867 — CONTRACT NR. AF 19(604)-6136 — PROJ/TASK NR. 8622

AFCRL-227
HARVARD UNIVERSITY
FINAL REPORT ON THE OCCULATION OF REGULUS BY VENUS, JULY 7, 1959, JANUARY 10, 1961.
BY MENZEL, D H; DE VAUCOULEURS, G — DDC NR. 251664 — CONTRACT NR. AF 19(604)-7461 — PROJ/TASK NR. 9783

AFCRL-229
GEOPHYSICS CORPORATION OF AMERICA
CHEMICAL RELEASE STUDIES IV CHEMISTRY OF UPPER ATMOSPHERE RELEASES, JANUARY 1961
BY GOLOMB, D; BERGER, A W — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7673

AFCRL-230
ALLIED RESEARCH ASSOCIATES, INC.
FORECAST PROCEDURES, DECEMBER 31, 1960.
BY GLASER, H. — DDC NR. — CONTRACT NR. AF 19(604)-3881 — PROJ/TASK NR. 7652

AFCRL-231
COLUMBIA UNIVERSITY
BIOLOGICAL AND GEOLOGICAL OBSERVATIONS ON THE FIRST PHOTOGRAPHS OF THE ARCTIC OCEAN DEEP-SEA FLOOR,
REPRINTED FROM LIMNOLOGY AND OCEANOGRAPHY, VOL. 5, NO. 2, PP. 154-161, APRIL 1960
BY HUNKINS, K L; EWING, M; HEEZEN B C; MENZIES, R J. — DDC NR. 250376 — CONTRACT NR. AF 19(604)-2030 — PROJ/TASK NR. 7628

AFCRL-234
CHICAGO, UNIVERSITY OF
BENDIX LUMICON RESEARCH, NOVEMBER 19, 1960.
BY HILTNER, W. A. — DDC NR. — CONTRACT NR. AF 19(604)-6540 — PROJ/TASK NR. 1770

AFCRL-255
ELECTROMAGNETIC RESEARCH CORPORATION
DETERMINATION OF IONOSPHERE PARAMETERS BY MEANS OF A SATELLITE ANTENNA-TYPE PROBE II. ANALYSIS FOR SPHERICAL GEOMETRY DECEMBER 31, 1960.
BY ZACHARY, W W — DDC NR. 251231 — CONTRACT NR. AF 19(604)-6656 — PROJ/TASK NR. 4776

AFCRL-257
SPACE TECHNOLOGY LABS., INC.
ELECTRON ATTACHMENT AND DETACHMENT, ANNUAL REPORT NOVEMBER 28, 1960.
BY MASTRUP, F N — DDC NR. — CONTRACT NR. AF 19(604)-6118 — PROJ/TASK NR. 4904

AFCRL-258
TUFTS UNIVERSITY
I. STUDIES OF A HIGH CURRENT ELECTRICAL DISCHARGE IN AN IONIZED GAS. II. ON SOLUTIONS OF THE HEAT EQUATION. JANUARY 16, 1961.
BY COMBES L L.; ZIMMERMAN, S P.; CLARKSON J A.; PURTON, L. G. — DDC NR. — CONTRACT NR. AF 19(604)-1978 — PROJ/TASK NR. 8600

AFCRL-262
PENNSYLVANIA STATE UNIVERSITY
CROSS SECTION FOR DISSOCIATIVE RECOMBINATION OF NITRIC OXIDE JANUARY 1, 1961
BY SQUIRES, JR., R E — DDC NR. 251129 — CONTRACT NR. AF 19(604)-6969 — PROJ/TASK NR. 8609

AFCRL-269
CORNELL AERONAUTICAL LABORATORY, INC.
A STUDY OF SPREAD F, OCTOBER 1960.
BY KLEMPERER, W. P. — DDC NR. 259188 — CONTRACT NR. AF 19(604)-5660 — PROJ/TASK NR. 7669

AFCRL-266
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
WINDS AND CIRCULATIONS IN THE MESOSPHERE, FEBRUARY 1961.
BY KEEGAN, T J — DDC NR. 259660 — CONTRACT NR. — PROJ/TASK NR. 8604-86044

AFCRL-269
NEW YORK UNIVERSITY
MODIFICATION OF EFFECTIVE RADAR THEORY IN THE PRESENCE OF A LONG-RANGE C1/R4 POTENTIAL, FEBRUARY 1961.
BY OBRALLEY, T. F.; SPRUCH, L.; ROSENBERG, L. — DDC NR. 259859 — CONTRACT NR. AF 19(604)-6595 — PROJ/TASK NR. 7639

AFCRL-266
UPPSALA, UNIVERSITY OF
RELATIONS BETWEEN LIGHTNING DISCHARGES AND WHISTLERS AUGUST 17, 1960.
BY NORINDER, H — DDC NR. 267269 — CONTRACT NR. AF 61(052)-07 — PROJ/TASK NR. 7663-76639

AFCRL-267
GCA-CORPORATION, INC.
SOLAR RESEARCH AT SACRAMENTO PEAK OBSERVATORY, JANUARY 1961.
BY WADDELL, III J. H. — DDC NR. 259279 — CONTRACT NR. AF 19(604)-2608 — PROJ/TASK NR. 7669

AFCRL-268
ARCTIC INSTITUTE OF NORTH AMERICA
METEOROLOGICAL OBSERVATIONS IN NORTHERN ELLESMERE ISLAND 1959, FEBRUARY 1961.
BY LOTZ, J. R. — DDC NR. 259567 — CONTRACT NR. AF 19(604)-3073 — PROJ/TASK NR. 7670

AFCRL-269
BRITISH COLUMBIA, UNIVERSITY OF
RESEARCH CONCERNING GEOMAGNETIC FLUCTUATIONS, JANUARY 19, 1961.
BY JACOBS, J. A. — DDC NR. 260063 — CONTRACT NR. AF 19(604)-6068 — PROJ/TASK NR. 8601

AFCRL-270
WASHINGTON, UNIVERSITY OF
ON VALLEY AND MOUNTAIN WINDS II, MAY 1961.
BY THYER, N. — DDC NR. — CONTRACT NR. AF 19(604)-5570 — PROJ/TASK NR. 8604
BUETTNER, K. J. K.

AFCRL-271
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
GRAVITY OBSERVATIONS ALONG THE NORTHERN COAST OF ELLESMERE ISLAND, FEBRUARY 1961
BY CROMLEY, R A — DDC NR. 259661 — CONTRACT NR. — PROJ/TASK NR. 7670-76702

AFCRL-272
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EVALUATION OF AN ARCTIC ICE-FREE LAND SITE AND RESULTS OF C-130 AIRCRAFT TEST LANDING POLARIS PROMONTORY, NORTH GREENLAND 1958-1959, MARCH 1961.
BY NEFFLEMAN, S M — DDC NR. 260220 — CONTRACT NR. — PROJ/TASK NR. 7670-76704
ELICE, D W
MOLINEUX, C F

AFCRL-273
GENERAL ELECTRIC COMPANY
A CESIUM VAPOR THERMIONIC CONVERTER USING A THORIUM DISPENSER CATHODE, MAY 1960.
BY HOUSTON, J. M. — DDC NR. 260997 — CONTRACT NR. AF 19(604)-5672 — PROJ/TASK NR. 6697

AFCRL-274
STANFORD RESEARCH INSTITUTE
PHOTOCHEMISTRY IN THE SOLAR FURNACE - FLOW SYSTEMS AND THE DECOMPOSITION OF NITROSYL CHLORIDE, FEBRUARY 3, 1961.
BY MARCUS, R J — DDC NR. — CONTRACT NR. AF 19(604)-7302 — PROJ/TASK NR. 8694-66962
WOMELSDS, H C

AFCRL-275
OHIO STATE UNIVERSITY
INFRARED ABSORPTION BY CARBON DIOXIDE, JANUARY 1961.
BY BURCH, D. E. — DDC NR. 259635 — CONTRACT NR. AF 19(604)-2633 — PROJ/TASK NR. 8683
GRYVNAK D.
WILLIAMS, D.

AFCRL-276(I)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROJECT FIREFLY 1960, VOLUME I, MASS TRANSPORT, SPECTROPHOTOMETRY, RELEASE CHEMICAL PHYSICS, MARCH 1, 1961.
BY ROSENBERG, N. W. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7635

AFCRL-277
HARVARD UNIVERSITY
SOURCES OF AEROGRAPHIC COORDINATES, 1909-1956 FEBRUARY 24, 1961.
BY DE VAUCOULEURS, G — DDC NR. 259186 — CONTRACT NR. AF 19(604)-7661 — PROJ/TASK NR. 9781
WRIGHT, P

AFCRL-278
HARVARD UNIVERSITY
RESULTS OF THE OCCULTATION OF REGULUS BY VENUS, JULY 7, 1959, MARCH 21, 1961.
BY DE VAUCOULEURS, G — DDC NR. 259187 — CONTRACT NR. AF 19(604)-7661 — PROJ/TASK NR. 9781
MENZEL, D H

AFCRL-279
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) EFFECTIVENESS OF THE SAGE SYSTEM IN RELATION TO WIND FORECAST CAPABILITY, MAY 1961 CONFIDENTIAL
BY DARLING, F M — DDC NR. 526548 — CONTRACT NR. — PROJ/TASK NR. 8640-86400
ERB, C O

AFCRL-280
ILLINOIS INSTITUTE OF TECHNOLOGY
WARM FOG AND CLOUD DISSIPATION, JANUARY 1960.
BY LIEBERMAN, A. — DDC NR. 259689 — CONTRACT NR. AF 19(604)-5910 — PROJ/TASK NR. 7604-76057

AFCRL-281
AERONAUTICAL ICING RESEARCH LABORATORIES
FOG STUDIES AT ARCATA, CALIFORNIA UNDER "OPERATION FOG SOUP", 1960, MARCH 1961.
BY FITZWATER, JR., G P — DDC NR. 256105 — CONTRACT NR. AF 19(604)-7210 — PROJ/TASK NR. 7609
HOWE, J R
LOCKWOOD, D B

AFCRL-282
HARVARD UNIVERSITY
CLASSIFICATION OF SOLAR PROMINENCES - II- 1944, APRIL 1961.
BY MENZEL, D. H. — DDC NR. 256029 — CONTRACT NR. AF 19(604)-6962 — PROJ/TASK NR. 7669
JONES, F. S.

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NEW MEXICO, UNIVERSITY OF
ON A SENSITIVE METHOD FOR THE RECORDING OF ATMOSPHERIC OZONE, JULY 21, 1960.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 69, NO. 12, DECEMBER 1960
BY REGENER, V H — DDC NR. 256271 — CONTRACT NR. AF 19(604)-7211 — PROJ/TASK NR. 8604

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NEW YORK UNIVERSITY
PRELIMINARY ANALYSIS OF WIND VARIABILITY AT HIGH ALTITUDES, FEBRUARY 1961.
BY MORGAN, JR., G — DDC NR. 259229 — CONTRACT NR. AF 19(604)-6193 — PROJ/TASK NR. 8624
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GENERAL MILLS, INC.
THE REVERSAL OF STRATOSPHERIC WINDS OVER NORTH AMERICA, FEBRUARY 27, 1961.
BY BELMONT, A D — DDC NR. 252036 — CONTRACT NR. AF 19(604)-8618 — PROJ/TASK NR. 8669

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STANFORD RESEARCH INSTITUTE
DETERMINATION OF THE PERCENT OF TIME THE GROUND IS VISIBLE FROM AN AIRCRAFT FLYING ABOVE CLOUDS, DECEMBER 1960.
BY BLACKMER, JR., R H — DDC NR. 256278 — CONTRACT NR. AF 19(604)-7312 — PROJ/TASK NR. 8624
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RECOMBINATION PROCESSES IN THE IONOSPHERE, FEBRUARY 1, 1961.
BY MITRA, A. P. — DDC NR. 259072 — CONTRACT NR. AF 19(604)-3875 — PROJ/TASK NR. 7669

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NEW YORK UNIVERSITY
REFLECTION AND REFRACTION OF WEAK HYDROMAGNETIC DISCONTINUITIES FEBRUARY 1961.
BY RAZEN, J — DDC NR. 259962 — CONTRACT NR. AF 19(604)-8164 — PROJ/TASK NR. 8600-86006

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BROWN UNIVERSITY
NONLINEAR EFFECTS IN THERMAL CONVECTION MARCH 1961
BY BISSHOPP, F E — DDC NR. 253030 — CONTRACT NR. AF 19(604)-7236 — PROJ/TASK NR. 8600

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NEW HAMPSHIRE, UNIVERSITY OF
INCREASE OF THE NUCLEONIC INTENSITY ON MAY 4, 1960
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 65, NO. 9, SEPTEMBER 1960
BY TRAINOR, J. H.; SHEA M. A.; LOCKWOOD, J. A. — DDC NR. 252366 — CONTRACT NR. AF 19(604)-4552 — PROJ/TASK NR. 8600

AFCRL-271
NEW HAMPSHIRE, UNIVERSITY OF
AN INVESTIGATION OF THE FORBUSH DECREASES IN THE COSMIC RADIATION.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 65, NO. 12, DECEMBER 1960
BY LOCKWOOD, J. A. — DDC NR. 252367 — CONTRACT NR. AF 19(604)-4552 — PROJ/TASK NR. 8600

AFCRL-272
ALASKA, UNIVERSITY OF
THE AVERAGE MORPHOLOGY OF GEOMAGNETIC STORMS WITH SUDDEN COMMENCEMENT, MARCH 1961.
REPRINTED FROM ABH. AKAD. WISS. GOTTINGEN, MATH.-PHYS. KLASSE, SONDERHEFT NR. 4, GOTTINGEN, 1960
BY SIGIURA M.; CHAPMAN, S. — DDC NR. 254915 — CONTRACT NR. AF 19(604)-2163 — PROJ/TASK NR. 8601

AFCRL-273
AEROJET-GENERAL CORPORATION
(U) CHEMICALS AND RELEASE MECHANISMS FOR UPPER-ATMOSPHERE INVESTIGATIONS DECEMBER 1960. CONFIDENTIAL
BY BAKER, A C; FISHER, H J; KILNER, S B; KUCHAR, C — DDC NR. 323109 — CONTRACT NR. AF 19(604)-7227 — PROJ/TASK NR. 7635

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BY FJORTOFT, R — DDC NR. 269905 — CONTRACT NR. AF 61(052)-374 — PROJ/TASK NR.

AFCRL-276
ALLIED RESEARCH ASSOCIATES, INC.
THE MOTION AND PREDICTABILITY OF STRATIFORM PRECIPITATION, FEBRUARY 1, 1961.
BY BOUCHER, R. J. — DDC NR. — CONTRACT NR. AF 19(604)-5204 — PROJ/TASK NR. 8620-862004

AFCRL-277
WEIZMANN INSTITUTE OF SCIENCE
OPTICAL DISPERSION OF GASES IN THE INFRARED REGION. THE DISPERSION THROUGH THE FIRST OVERTONE BAND OF HCl, NOVEMBER 1960.
BY KIMEL, S — DDC NR. 267528 — CONTRACT NR. AF 61(052)-57 — PROJ/TASK NR. 8603-860303

AFCRL-279
FLORIDA STATE UNIVERSITY
THE STRATOSPHERIC WARMING OVER NORTH AMERICA IN 1957, I. HEIGHT, TEMPERATURE, VORTICITY, AND VERTICAL MOTION AT THE 100-MB SURFACE, APRIL 1, 1961.
BY CRAIG, R A; LATEEF, M. A.; MITCHEM, R. A. — DDC NR. 254009 — CONTRACT NR. AF 19(604)-5471 — PROJ/TASK NR. 8628-86453

AFCRL-280
GENERAL ELECTRIC COMPANY
VACUUM THERMIONIC ENERGY CONVERTER, JULY 1960.
BY BEGGS, J. F. — DDC NR. — CONTRACT NR. AF 19(604)-5472 — PROJ/TASK NR. 6692

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GENERAL ELECTRIC COMPANY
TESTS OF A CESIUM THERMIONIC CONVERTER DESIGNED TO UTILIZE SOLAR ENERGY IN OUTER SPACE, AUGUST 1960.
BY WILSON, V. C.; LAWRENCE, J. — DDC NR. 260359 — CONTRACT NR. AF 19(604)-5472 — PROJ/TASK NR. 6692

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GENERAL ELECTRIC COMPANY
POTENTIAL DISTRIBUTIONS IN A LOW PRESSURE THERMIONIC CONVERTER, JULY 1960.
BY AUER, P. L. — DDC NR. 260360 — CONTRACT NR. AF 19(604)-5472 — PROJ/TASK NR. 6692

AFCRL-283
GENERAL ELECTRIC COMPANY
CESIUM ION NEUTRALIZATION OF THERMIONIC CONVERTERS, MARCH 1961.
BY HOUSTON, J. M.; GIBBONS, M. D. — DDC NR. 260361 — CONTRACT NR. AF 19(604)-5472 — PROJ/TASK NR. 6692

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GENERAL ELECTRIC COMPANY
THERMIONIC EMISSION FROM A TANTALUM CRYSTAL IN CESIUM OR RUBIDUM VAPOR, MARCH 1961.
BY WEBSTER, H. F. — DDC NR. 260362 — CONTRACT NR. AF 19(604)-5472 — PROJ/TASK NR. 6692

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RADIATION STUDIES FROM NUCLEAR EMULSIONS AND METALLIC COMPONENTS RECOVERED FROM POLAR SATELLITE ORBITS, MARCH 1961
Bf YAGODA, H — DDC NR. 255662 — CONTRACT NR. — PROJ/TASK NR. 8600-86003

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ALASKA, UNIVERSITY OF
EXPERIMENT LUXEMBOURG, DECEMBER 1960.
BY RUMI G. C.; BENSON, R. F. — DDC NR. 254226 — CONTRACT NR. AF 19(604)-3880 — PROJ/TASK NR. 7663

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SOUTHERN CALIFORNIA, UNIVERSITY OF
A LABORATORY STUDY OF GASES AND VAPORS EASILY PHOTOIONIZED IN THE UPPER ATMOSPHERE, FEBRUARY 15, 1961.
BY WEISSLER, G. L. — DDC NR. 262728 — CONTRACT NR. AF 19(604)-5699 — PROJ/TASK NR. 6695

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ALASKA, UNIVERSITY OF
EXPERIMENT LUXEMBOURG, DECEMBER 1960.
BY RUMI G. C.; BENSON, R. F. — DDC NR. — CONTRACT NR. AF 19(604)-3880 — PROJ/TASK NR. 7663

AFCRL-289
COLORADO UNIVERSITY OF
GEOMAGNETIC STORMS AND THE SPACE AROUND THE EARTH
APRIL 4, 1961.
REPRINTED FROM NATURE, VOL. 187, NO. 4740, PP. 824-827, SEPTEMBER 3, 1960
BY CHAPMAN, S. — DDC NR. 255065 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SWITCHING DEVICES FOR VERY HIGH CURRENTS, APRIL 1961.
BY CULLINGTON, E. H.; CHACE, W. G. — DDC NR. 259954 — CONTRACT NR. — PROJ/TASK NR. 8608-86086

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COLORADO, UNIVERSITY OF
IDEALIZED PROBLEMS OF PLASMA DYNAMICS RELATING TO GEOMAGNETIC STORMS, APRIL 4, 1961.
REPRINTED FROM REVIEWS OF MODERN PHYSICS, VOL. 32, NO. 4, 919-933, OCTOBER 1960
BY CHAPMAN, S — DDC NR. 255066 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

AFCRL-292
COLORADO, UNIVERSITY OF
THE EXTENDED SOLAR CORONA, APRIL 4, 1961.
BY CHAPMAN, S. — DDC NR. 255067 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

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COLORADO UNIVERSITY OF
THE AVERAGE MORPHOLOGY OF GEOMAGNETIC STORMS WITH SUDDEN COMMENCEMENT, APRIL 4, 1961.
BY SUGIURA M.; CHAPMAN, S. — DDC NR. 255069 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

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COLORADO, UNIVERSITY OF
IONIZATION ABOVE THE F-2 PEAK AS AFFECTED BY THE INTERPLANETARY GAS, APRIL 4, 1961.
BY CHAPMAN, S. — DDC NR. 255068 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

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BROWN UNIVERSITY
THE EFFECT OF A VERY STRONG MAGNETIC CROSSFIEDL ON STEADY MOTION THROUGH A SLIGHTLY CONDUCTING FLUID THREE-DIMENSIONAL CASE, MARCH 1961.
BY LUDFORD, G S S — DDC NR. 254574 — CONTRACT NR. AF 19(604)-7236 — PROJ/TASK NR. 8600

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HAWAII, UNIVERSITY OF
ANALYSES OF MONTHLY MEAN RESULTANT WINDS FOR STANDARD PRESSURE LEVELS OVER THE PACIFIC, MARCH 1961.
BY WIEDERANDERS, C J — DDC NR. 255480 — CONTRACT NR. AF 19(604)-7229 — PROJ/TASK NR. 8641-864119

AFCRL-297
FLORIDA STATE UNIVERSITY
A METHOD FOR ESTIMATING VERTICAL PROFILES OF WIND BELOW FLIGHT LEVEL, FEBRUARY 28, 1961.
BY GLEESON, T. A. — DDC NR. 255469 — CONTRACT NR. AF 19(604)-4986 — PROJ/TASK NR. 8624

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FLORIDA STATE UNIVERSITY
TEN-AND NINETY-PERCENTILE WIND PROFILES FOR TWENTY NORTHERN HEMISPHERE STATIONS, FEBRUARY 28, 1961.
BY GLESSON, T. A. — DDC NR. 257347 — CONTRACT NR. AG 19(604)-4986 — PROJ/TASK NR. 8624

AFCRL-298
GENERAL ELECTRIC COMPANY
A TITANIUM MATCHING SILICA-FREE CERAMIC, MARCH 1961.
BY LESCHEN, J. G. — DDC NR. 260363 — CONTRACT NR. AF 19(604)-5472 — PROJ/TASK NR. 6692

AFCRL-299
GENERAL ELECTRIC COMPANY
COMPATIBLE ALKALINE EARTH OXIDE SYSTEM FOR VACUUM THERMIONIC CONVERTERS, MARCH 1961.
BY GIBBONS, M. D. DDC NR. 260364
CONTRACT NR. AF 19(604)-5472
PROJ/TASK NR. 6692

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
REAL-TIME ANALOG-DIGITAL COMPUTATION, APRIL 1961.
BY CONNELLY, M. E DDC NR.
CONTRACT NR. AF 19(604)-6654
PROJ/TASK NR. 4649-46493

AFCRL-301
WESTINGHOUSE RESEARCH LABORATORIES
TEMPERATURE DEPENDENCE OF RAMAN RELAXATION OF CHROMIUM (PLUS3) IN MAGNESIUM OXIDE, MARCH 1961.
BY CASTLE, JR., J. G. DDC NR. 261420
FELDMAN, D. W. CONTRACT NR. AF 19(604)-5589
KLEMENS, P. G. PROJ/TASK NR. 4608-46087

AFCRL-302
SYLVANIA ELECTRIC PRODUCTS, INC.
NON-LOCAL ELECTRODYNAMICAL MODEL FOR EXTREMELY LOW FREQUENCY PROPAGATION IN THE UPPER IONOSPHERE MARCH 14, 1961.
BY CANTOR, A DDC NR. 260064
CONTRACT NR. AF 19(604)-7228
PROJ/TASK NR. 4618-46182

AFCRL-303
POLYTECHNIC INSTITUTE OF BROOKLYN
RADIATION FROM A POINT SOURCE IN AN ANISOTROPIC MEDIUM, NOVEMBER 2, 1960.
BY ARBEL, F. DDC NR.
CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5635-56350

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GENERAL ELECTRIC COMPANY
(U) OPERATIONS RESEARCH ON RECOGNITION . CONCEPTS OF OBJECT RECOGNITION FOR ACTION SELECTION APRIL 1961. SECRET
BY TURNER, R D DDC NR.
CONTRACT NR. AF 19(604)-6103
PROJ/TASK NR. 4691-46910

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GEOPHYSICS CORPORATION OF AMERICA
ATOMIC TRANSITION PROBABILITIES FOR UPPER ATMOSPHERE PHENOMENA, APRIL U961.
BY NAQVI, A M DDC NR. 257346
CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5561-46035

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GEOPHYSICS CORPORATION OF AMERICA
ATMOSPHERIC TURBULENCE, APRIL 1961.
BY PAPA, R J DDC NR. 257842
CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5561-46035

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GEOPHYSICS CORPORATION OF AMERICA
GENERATION AND TRANSMISSION OF ELECTROMAGNETIC WAVES IN THE TERRESTRIAL ATMOSPHERE, MAY 1961.
BY NAWROCKI, P J DDC NR. 257843
PAPA, R J CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5561-46035

AFCRL-308
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
DRIFT MEASUREMENTS AT KJELLER ON THE ONOSPHERIC F REGION REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOLUME 65, NO. 5, MAY 1960
BY BECKEN, J DDC NR.
MAEHLUM, B CONTRACT NR. AF 61(052)-228
PROJ/TASK NR. 5630

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(U) RECOGNITION OF NUCLEAR-PROPELLED VEHICLES, MARCH 31, 1961. SECRET
BY DDC NR. 323260
CONTRACT NR. AF 19(604)-6199
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AFCRL-310
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
COHERENT SCATTERING OF A METALLIC BODY IN THE PRESENCE OF AN IONIZED SHELL, MARCH 7, 1961 .
BY PETERS, JR., L DDC NR. 256359
SWARNER, W G CONTRACT NR. AF 19(604)-7270
PROJ/TASK NR. 4690-46900

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GEOPHYSICS CORPORATION OF AMERICA
(U) INVESTIGATION OF PHYSICAL PHENOMENA, FINAL REPORT MAY 1961, SECRET
BY CARPENTER, R O-B DDC NR. 323261
HURD, A G CONTRACT NR. AF 19(604)-7332
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AFCRL-312
NEW YORK UNIVERSITY
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BY BAZER, J. DDC NR. 260014
HOCHSTADT, H. CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5635-56350

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GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES, APRIL 5, 1961.
BY DDC NR. 257997
CONTRACT NR. AF 19(604)-7286
PROJ/TASK NR. 4619-46190

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STANFORD RESEARCH INSTITUTE
A NEW APPROACH TO THE EVALUATION OF HF AIRCRAFT ANTENNAS, MARCH 1961.
BY CLINE, J. F. DDC NR. 257079
CONTRACT NR. AF 19(604)-3458
PROJ/TASK NR. 4600-46007
PROJ/TASK NR. 5630-56300

AFCRL-315
TECHNICAL RESEARCH GROUP, INC.
A PRELIMINARY INVESTIGATION OF WAVEGUIDE STRUCTURES SUITABLE FOR ELECTROMECHANICAL SCANNING, FEBRUARY 9, 1961.
BY SIMMONS, A. J. DDC NR.
CONTRACT NR. AF 19(604)-3476
PROJ/TASK NR. 4600-46009

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FAR FIELD PATTERNS OF POLYGONAL APERTURE ANTENNAS, FEBRUARY 13, 1961.
BY KAY, A. F. DDC NR.
CONTRACT NR. AF 19(604)-5532
PROJ/TASK NR. 4506-46313

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PARKE MATHEMATICAL LABS., INC.
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BY DDC NR. 263945
CONTRACT NR. AF 19(604)-3471
PROJ/TASK NR. 5632-56323

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TRANSISTOR APPLICATIONS, INC.
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BY CARLSON, A. W. DDC NR. 258138
CONTRACT NR. AF 19(604)-4089
PROJ/TASK NR. 4610-46105

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GRANGER ASSOCIATES
STUDY OF OPTIMIZATION OF AIRBORNE DIRECTION FINDING SYSTEMS IN THE VHF-UHF FREQUENCY RANGES, MAY 1, 1961.
BY SKLAR, H. DDC NR. 256752
CONTRACT NR. AF 19(604)-5509
PROJ/TASK NR. 4615-46150

AFCRL-320
GENERAL ELECTRIC CO.
(U) DEIONIZATION RATES, FINAL REPORT, APRIL 28, 1961. CONFIDENTIAL
BY BORTNER, M H DDC NR. 323494
BAULKNIGHT, C W CONTRACT NR. AF 19(604)-7273
PROJ/TASK NR. 4618-46183

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CANTERBURY, UNIVERSITY OF (NEW ZEALAND)
THE IDENTIFICATION OF METEOR SHOWERS WITH APPLICATION TO SOUTHERN HEMISPHERE RESULTS, APRIL 10, 1961.
BY ELLYETT, C DDC NR.
KEAY, C S L CONTRACT NR. AF 64(500)-6
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AFCRL-322
PICKARD & BURNS, INC.
(U) LOW AND VERY LOW FREQUENCY CROSS-SECTION MEASUREMENTS, APRIL 1961. SECRET
BY NEUBURGER, A. DDC NR. 324552
CONTRACT NR. AF 19(604)-7268
PROJ/TASK NR. 4649

AFCRL-323
PLANNING RESEARCH CORPORATION
(U) FUTURE ENVIRONMENTS WHICH AFFECT TEAS, FEBRUARY 15, 1961. SECRET
BY GARFUNKEL, I M DDC NR.
CONTRACT NR. AF 19(604)-7351
PROJ/TASK NR. 4690-46902

AFCRL-324
CALIFORNIA, UNIVERSITY OF
THE EFFECTS OF RF ENERGY ON THE PUMPING SPEED OF A TITANIUM SPUTTER PUMP, APRIL 18, 1961.
BY FRY, J. F. DDC NR. 260599
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 5634-56342

AFCRL-325
STANFORD UNIVERSITY
SOME METHODS OF FAST-WAVE AMPLIFICATION IN PARAMETRIC ELECTRON-BEAM DEVICES, APRIL 1961.
BY SPALTER, J DDC NR. 260658
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

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NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS
BY ROHRBAUGH, J. H. DDC NR. 259679
CONTRACT NR. AF 19(604)-2673
PROJ/TASK NR. 5621-56216

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SOME METRIC CONSIDERATIONS IN PATTERN RECOGNITION, JULY 1961.
BY KALIN, T A DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56325

AFCRL-928
ADVANCED OPTICS, INC.
PRODUCTION OF MILLIMETER AND SUB-MILLIMETER ELECTROMAGNETIC WAVES BY THE INTERACTION OF PLASMA AND ELECTRON BEAMS WITH HIGH INTENSITY PULSED MAGNETS. PERIOD COVERING JANUARY 19, 1961 - APRIL 19, 1961
BY WARREN, R W — DDC NR., CONTRACT NR. AF 19(604)-7406, PROJ/TASK NR. 5581-46104

AFCRL-929
STANFORD RESEARCH INSTITUTE
APPLICATION OF ELECTRON-BEAM MACHINING TECHNIQUES TO SEMICONDUCTORS, APRIL 1961.
BY SHOULDERS, K R; PETERS, D W — DDC NR. 259547, CONTRACT NR. AF 19(604)-6114, PROJ/TASK NR. 4600-46008

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RADIATION ENGINEERING LAB.
INVESTIGATION OF WIDE ANGLE SCANNING VHF ANTENNA ARRAYS JANUARY 22, 1961.
BY — DDC NR., CONTRACT NR. AF 19(604)-6191, PROJ/TASK NR. 4506-46319

AFCRL-931
OHIO STATE UNIVERSITY
ON THE ANALYSIS OF RADIO ASTRONOMICAL OBSERVATIONS MADE WITH HIGH RESOLUTION RADIO TELESCOPE ANTENNAS, FEBRUARY 1961.
BY KO, H. C. — DDC NR. 258314, CONTRACT NR. AF 19(604)-6079, PROJ/TASK NR. 5631-56315

AFCRL-932
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
SCINTILLATIONS OF SIGNALS TRANSMITTED FROM EARTH SATELLITES OCTOBER 1960.
BY PRIMDAHL, J; TROIM, J — DDC NR. 261047, CONTRACT NR. AF 61(052)-344, PROJ/TASK NR. 5631-56315

AFCRL-933
SHOCKLEY TRANSISTOR
THIN COMPOSITIONAL LAYERS IN SILICON, JANUARY 16, 1961.
BY GOETZBERGER, A.; QUEISSER, H. — DDC NR., CONTRACT NR. AF 19(604)-5524, PROJ/TASK NR. 4600-46008

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AVCO CORPORATION
ON THE LIMITING VELOCITY FOR A ROTATING PLASMA, APRIL 1961.
BY LIN, S C — DDC NR., CONTRACT NR. AF 19(604)-7458, PROJ/TASK NR. 5581-46108

AFCRL-935
STANFORD RESEARCH INSTITUTE
LEAKY-WAVE ANTENNAS USING PERIODICALLY SPACED SMALL APERTURES, MARCH 1961.
BY GETSINGER, W. J. — DDC NR., CONTRACT NR. AF 19(604)-3502, PROJ/TASK NR. 4615-46151

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STANFORD RESEARCH INSTITUTE
PRECIPITATION CHARGING AND CORONA-GENERATED INTERFERENCE IN AIRCRAFT, APRIL 1961.
BY TANNER R. L.; NANEVICZ, J E — DDC NR. 261029, CONTRACT NR. AF 19(604)-3458, PROJ/TASK NR. 4600-46007, PROJ/TASK NR. 5630-56300

AFCRL-937
STANFORD RESEARCH INSTITUTE
TRANSMISSION THROUGH AN IONIZED MEDIUM IN THE PRESENCE OF A STRONG MAGNETIC FIELD, MAY 1961.
BY ROTHMAN H.; MORITA, T. — DDC NR. 259157, CONTRACT NR. AF 19(604)-3458, PROJ/TASK NR. 4600-46007, PROJ/TASK NR. 5630-56300

AFCRL-938
STANFORD RESEARCH INSTITUTE
RADIATION AND RECEPTION OF ELECTROMAGNETIC ENERGY FROM AIRCRAFT AND GUIDED MISSILES, APRIL 1961.
BY NANEVICZ, J. E. — DDC NR. 259171, CONTRACT NR. AF 19(604)-3458, PROJ/TASK NR. 4600-46007, PROJ/TASK NR. 5630-56300

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GENERAL TELEPHONE AND ELECTRONICS LABS., INC.
INVESTIGATION OF NONLINEAR PHENOMENA ASSOCIATED WITH IONIZED PLASMAS, MAY 1, 1961.
BY — DDC NR., CONTRACT NR. AF 19(604)-6083, PROJ/TASK NR. 5581-46104

AFCRL-940
RAYTHEON COMPANY
CHEMISTRY OF MAGNETIC OXIDES, PART I, PHASE EQUILIBRIA IN THE FERRITE REGION OF THE SYSTEM FE-CO-O, APRIL 12, 1961.
BY BOLTER, B. D.; PALADINO, A. E. — DDC NR. 257681, CONTRACT NR. AF 19(604)-5511, PROJ/TASK NR. 4600-46007

AFCRL-941
COLUMBIA UNIVERSITY
THE USE OF A CLASS OF NONLINEAR SYSTEMS IN THE PROBLEM OF OPTIMUM FILTERING, MAY 1, 1961.
BY TUNG, P. P. C. — DDC NR. 259196, CONTRACT NR. AF 19(604)-6140, PROJ/TASK NR. 5632-56320

AFCRL-942
NEW YORK UNIVERSITY
A NOTE ON THE EXPANSION COEFFICIENT OF GEOMETRICAL OPTICS, MAY 1961.
BY KLINE, M. — DDC NR., CONTRACT NR. AF 19(604)-5230, PROJ/TASK NR. 5635-56350

AFCRL-943
STANFORD UNIVERSITY
THE EFFECTS OF FLUCTUATION ON PROPAGATION THROUGH A PLASMA MEDIUM, APRIL 1961.
BY KINO G. S.; ALLEN, M. A. — DDC NR. 260522, CONTRACT NR. AF 19(604)-1930, PROJ/TASK NR. 4619-46191

AFCRL-944
GENERAL ELECTRIC COMPANY
INVESTIGATION FOR THE DEVELOPMENT OF CERAMIC BODIES FOR ELECTRON TUBES, MAY 8, 1961.
BY WISELY, H B — DDC NR. 259038, CONTRACT NR. AF 19(604)-7418, PROJ/TASK NR. 4619-46198

AFCRL-945
GENERAL ELECTRIC COMPANY
THE ELECTRICAL CONDUCTION MECHANISM IN ULTRATHIN, EVAPORATED METAL FILMS, JUNE 1961.
BY GRUNEBAUM, C. A.; WEBB, H. S. — DDC NR. 257621, CONTRACT NR. AF 19(604)-5466, PROJ/TASK NR. 5621-56210

AFCRL-947(A)
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, MARCH 20, 1961.
BY — DDC NR. 257587, CONTRACT NR. AF 19(604)-6621, PROJ/TASK NR. 4600-46008

AFCRL-947(B)
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, MARCH 1961.
BY HOLONYAK, JR., N — DDC NR. 257623, CONTRACT NR. AF 19(604)-6621, PROJ/TASK NR. 4600-46008

AFCRL-947(C)
GENERAL ELECTRIC COMPANY
TUNNEL DIODE CHARACTERISTICS AND CIRCUIT CONSIDERATIONS, MARCH 1961.
BY FISCH, F A — DDC NR. 257536, CONTRACT NR. AF 19(604)-6621, PROJ/TASK NR. 4600-46008

AFCRL-948
AF CAMBRIDGE RESEARCH LABORATORIES (IR-HOUSE)
THE DETERMINATION OF PLASMA PROPERTIES BY RADIATION TECHNIQUES A SURVEY, MAY 1961.
BY LONGBRIF, W S; STERNICK, S M; WERSKOVITZ, S B — DDC NR., CONTRACT NR., PROJ/TASK NR. 5634-56342

AFCRL-949
MINNESOTA, UNIVERSITY OF
STUDIES ON BASE NICKELS FOR OXIDE-COATED CATHODES, PERIOD COVERING OCTOBER 19, 1960 TO JANUARY 19, 1961.
BY ANDERSON, O. E. — DDC NR. 259059, CONTRACT NR. AF 19(604)-5890, PROJ/TASK NR. 5630-56307

AFCRL-950
SYLVANIA ELECTRONIC SYSTEMS
ELECTRODYNAMIC STUDY OF MAGNETIZED CURRENT CARRYING PLASMA, APRIL 16, 1961.
BY JOSHI, G M — DDC NR. 259090, CONTRACT NR. AF 19 (604)-7305, PROJ/TASK NR. 5631-56314

AFCRL-951
STANFORD RESEARCH INSTITUTE
MATERIALS PART I - FERROELECTRIC MATERIALS, MAY 1, 1961.
BY WRIGHT, L. K.; ROSEN, C. A.; TAIMUTY, S. I. — DDC NR., CONTRACT NR. AF 19(604)-6141, PROJ/TASK NR. 4600

AFCRL-951(I)
STANFORD RESEARCH INSTITUTE
EFFECTS OF RADIATION ON FERROELECTRIC AND FERRIMAGNETIC MATERIALS PART II - FERRIMAGNETIC MATERIALS, JUNE 15, 1961.
BY TAIMUTY, S. I.; WILLS, J. S. — DDC NR. 260669, CONTRACT NR. AF 19(604)-6141, PROJ/TASK NR. 4600-46005

AFCRL-952
POLYTECHNIC INSTITUTE OF BROOKLYN
ELECTRON COLLISION FREQUENCY DETERMINATION IN H2, MAY 1, 1961.
BY FITTERMAN, M; MENTZONI, M — DDC NR. 260606, CONTRACT NR. AF 19(604)-7216, PROJ/TASK NR. 4619-46191

AFCRL-953
FRIEDMAN, INC., MORRIS D.
ON THE THEORY OF NONSTATIONARY LIGHT SCATTERING, MAY 1961. REPRINTED FROM U.S.S.R. PHIL. ZH., VOL. 5, NO. 5, 1960. PP. 620-627
BY ELIMISHIN, I. A. — DDC NR. 262918, CONTRACT NR. AF 19(604)-5969, PROJ/TASK NR. 4600-46017

AFCRL-954
WOLFE RESEARCH AND DEVELOPMENT CORPORATION
ADAPTIVE PROGRAM EXPERIMENT I (APE-1) FINAL REPORT, MAY 19 1961.
BY BAKER, R P; ELAM, D — DDC NR., CONTRACT NR. AF 19 (604)-7308, PROJ/TASK NR. 5632

AFCRL-355
WESTINGHOUSE RESEARCH LABORATORIES
OPTICAL SATURATION OF F-CENTER SPIN RESONANCE, APRIL 1961.
BY MCAVOY, R. B. DDC NR.
FELDMAN, D. W. CONTRACT NR. AF 19(604)-5489
CASTLE, JR., J. G. PROJ/TASK NR. 4156-46210
WARREN, R. W.

AFCRL-356
HUGHES AIRCRAFT
STUDY OF CONTROL OF ELECTROMAGNETIC RADIATION FROM AIRCRAFT AND SPACE VEHICLES, APRIL 28, 1961.
BY DDC NR.
CONTRACT NR. AF 19(604)-3508
PROJ/TASK NR. 4619

AFCRL-357
AF CAMBRIDGE RESEARCH LABORATORIES(CIN-HOUSE)
ELECTRIC PROPULSION FOR SPACE VEHICLES, MAY 1961.
BY ONAY, M DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRL-358
STANFORD RESEARCH INSTITUTE
FLUSH-MOUNTED SURFACE-WAVE LAUNCHER, MARCH 1961.
BY ANDREASEN, M. G. DDC NR.
CONTRACT NR. AF 19(604)-5502
PROJ/TASK NR. 4619-46191

AFCRL-359
AMERICAN OPTICAL COMPANY
OPTICAL DIELECTRIC WAVEGUIDES, APRIL 1961.
BY SNITZER, E DDC NR. 261860
CONTRACT NR. AF 19(604)-7207
PROJ/TASK NR. 4600-46016

AFCRL-360
RADIO CORPORATION OF AMERICA
INVESTIGATION OF CARRIER INJECTION ELECTROLUMINESCENCE, MAY 16, 1961.
BY OBERFEN, A R DDC NR. 259969
FISCHER, A G CONTRACT NR. AF 19(604)-8018
MASON, A S PROJ/TASK NR. 4608-46088

AFCRL-361
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
IMAGING OF EXTENDED POLYCHROMATIC SOURCES AND GENERALIZED TRANSFER FUNCTIONS
REPRINTED FROM JOURNAL OF THE OPTICAL SOCIETY OF AMERICA VOL. 51, NO. 2, 149-151, FEBRUARY 1961
BY PARRENT, JR., G B DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600-46071

AFCRL-362
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON THE MATRIX FORMULATION OF THE THEORY OF PARTIAL POLARIZATION IN TERMS OF OBSERVABLES
REPRINT D FROM IL NUOVO CIMENTO, SERIES X, VOL. 19, PP. 930-987, FEBRUARY 1960
BY PARRENT, JR., G B DDC NR.
BYMAN, P CONTRACT NR.
PROJ/TASK NR. 4600-46017

KLEIN, R. D.
CAMPBELL, J.
SURYS, R.
RPIN, F.

AFCRL-364
NORTHEASTERN UNIVERSITY
TABLE OF CAPACITY AND SYMBOL PROBABILITIES OF A COMPLETE ERASURE CHANNEL, MAY 31, 1961.
BY SIEVS, R. DDC NR.
CONTRACT NR. AF 19(604)-3059
PROJ/TASK NR. 4609-46091

AFCRL-364
NORTHEASTERN UNIVERSITY
FINAL REPORT FOR CONTRACT NR. AF 19(604)-3059, MAY 3 , 1961.
BY CHANG, S. H. DDC NR. 264769
ROCHEFORT, J. S. CONTRACT NR. AF 19(604)-3059
LOB, W. H. PROJ/TASK NR. 4609-46091
RPIN, F. R.
STUART, R. D.

AFCRL-365
GENERAL ELECTRIC COMPANY
STUDY OF THE MAGNETIZATION OF THIN, EVAPORATED NICKEL FILMS IN A CHARGING ENVIRONMENT, MAY 16, 1961.
BY NEUGEBAUER, C. A. DDC NR.
CONTRACT NR. AF 19(604)-5566
PROJ/TASK NR. 5621-56210

AFCRL-366
FRANKLIN INSTITUTE
RESEARCH INVESTIGATION OF CATHODE EMISSIVE MATERIALS, APRIL 15, 1961.
BY DANFORTH, W. F. DDC NR. 262639
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 4156-46910

AFCRL-367
TRANSISTOR APPLICATIONS, INC.
RESEARCH DIRECTED TOWARD ANALYSIS AND DESIGN OF TRANSISTOR CIRCUITS, MAY 1961
BY CARLSON, A. W. DDC NR. 261899
CONTRACT NR. AF 19(604)-6089
PROJ/TASK NR. 4610-46109

AFCRL-368
ADAMS-RUSSELL CO., INC.
<U> ECM AND HF AIRCRAFT ANTENNA STUDY, SECRET MAY 1961.
BY RUSSELL, L DDC NR.
CONTRACT NR. AF 19(604)-6167
PROJ/TASK NR. 4619-46191

AFCRL-369
METAL HYDRIDES, INC.
SPECTROGRAPHIC ANALYSIS OF SEMICONDUCTOR AND RELATED MATERIALS MARCH 14, 1961.
BY MORRIS J. W. DDC NR. 259960
CONTRACT NR. AF 19(604)-5489
PROJ/TASK NR. 5620-56206

AFCRL-370
STANFORD UNIVERSITY
THE EFFECT OF THERMAL SPREAD ON THE TWO-STREAM RF GAIN FROM A NEUTRAL PLASMA BEAM, APRIL 21, 1961.
BY HOEKS, B. DDC NR. 261896
CONTRACT NR. AF 19(604)-5680
PROJ/TASK NR. 4619-46191

AFCRL-371
STANFORD UNIVERSITY
THE FREQUENCY OF NONLINEAR PLASMA OSCILLATIONS, MAY 10, 1961.
BY DENFELD, H. DDC NR. 261897
CONTRACT NR. AF 19(604)-5680
PROJ/TASK NR. 4619-46191

AFCRL-372
CANTERBURY, UNIVERSITY OF (NEW ZEALAND)
THE LATITUDE DEPENDENCE OF RADAR METEOR SHOWER OBSERVATIONS, MAY 17, 1961.
BY EFAY, C S L DDC NR. 260271
FLEYFIT, C CONTRACT NR. AF 61(500)-6
PROJ/TASK NR. 5691-56912

AFCRL-373
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE BACKSCATTER CROSS SECTIONS OF A FAMILY OF DARTS, APRIL 1961.
BY GOBB, R B DDC NR.
MACE, D R CONTRACT NR.
PROJ/TASK NR. 5639-56391

AFCRL-374
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RIDGE WAVEGUIDE RADIATORS FOR MISSILE ANTENNA APPLICATIONS JUNE 1961.
BY ROTMAN, W DDC NR. 267060
KARAS, N CONTRACT NR.
PROJ/TASK NR. 4600-46008

AFCRL-377
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
APPROXIMATING THE IMMEDIATE PATH OF A SATELLITE, JUNE 1961
BY REYNOLDS, G E DDC NR. AD6863
KERR, JR., D F CONTRACT NR.
PROJ/TASK NR. 4600-46019

AFCRL-378
RCA VICTOR COMPANY LTD.
TRANSMISSION AND REFLECTION OF ELECTROMAGNETIC WAVES AT A PLASMA BOUNDARY FOR ARBITRARY ANGLES OF INCIDENCE, MARCH 1961.
BY GRAF, E DDC NR. 260309
BACHYNSKI, M P CONTRACT NR. AF 19(604)-7291
PROJ/TASK NR. 5639-56390

AFCRL-379
STANFORD RESEARCH INSTITUTE
A DIELECTRIC-LOADED LEAKY-WAVE ANTENNA, MARCH 1961.
BY AASTED J. DDC NR. 260269
MOREY, R. C. CONTRACT NR. AF 19(604)-3502
PROJ/TASK NR. 4619-46191

AFCRL-380
CASE INSTITUTE OF TECHNOLOGY
QUARTERLY PROGRESS REPORT, PERIOD COVERING JANUARY 1, 1961 TO MARCH 31, 1961, BY THE CASE PROJECT STAFF.
BY DDC NR. 259811
CONTRACT NR. AF 19(604)-3807
PROJ/TASK NR. 5639-56391

AFCRL-381
RAYTHEON COMPANY
THE CHARACTERISTICS AND APPLICATION OF A SIMPLE QUARTZ MICROBALANCE, MAY 22, 1961.
BY WOLSEY, S DDC NR.
ZDANUK, E J CONTRACT NR. AF 19(604)-8004
PROJ/TASK NR. 5620-56200

AFCRL-382
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
EROPIRE ECHO AREA OF PLASMA CYLINDER CONFIGURATIONS MAY 19, 1961.
BY PETERS, JR., L DDC NR. 260366
CONTRACT NR. AF 19(604)-7270
PROJ/TASK NR. 4649-46490

AFCRL-383
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH APRIL 30, 1961.
BY BLANC, J DDC NR. 260767
BUBE, R H CONTRACT NR. AF 19(604)-6192
GOLD, R B PROJ/TASK NR. 4600-46008
GOLDSTEIN, B
HOFHEART, P R
LIEBMANN, W K
LOEBNER, E E
POOR, E W
RICHMAN, D
WEISBERG, L R

AFCRL-384 <I>
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
SOME PRINCIPLES OF LOW-NOISE ANTENNA DESIGN, FINAL ENGINEERING REPORT, VOL. I, DECEMBER 1, 1959 THROUGH NOVEMBER 30, 1960 DECEMBER 1, 1960
BY CALDECOTT, R DDC NR. 260112
CONTRACT NR. AF 19(604)-6194
PROJ/TASK NR. 4600-46015

AFCRL-384<II>
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
INVESTIGATION OF LOW-NOISE ANTENNA SYSTEM
VOL. II. PERIOD COVERING DECEMBER 1, 1960 TO NOVEMBER 30, DECEMBER 1, 1961.
BY — DDC NR.
CONTRACT NR. AF 19<604>-6134
PROJ/TASK NR. 4600-46019

AFCRL-385
COLORADO, UNIVERSITY OF
STUDIES OF FAST DRIFT RADIO BURSTS AND RELATED PHENOMENA
JUNE 1961.
BY MALVILLE, J. M. — DDC NR. 260601
CONTRACT NR. AF 19<604>-3872
PROJ/TASK NR. 5631-56315

AFCRL-386
POLYTECHNIC INSTITUTE OF BROOKLYN
PARTIAL SYMMETRY OF A BOOLEAN FUNCTION AND SYNTHESIS OF DIODE SYMMETRIC CIRCUITS, MAY 10, 1961.
BY MOW, W C W — DDC NR.
CONTRACT NR. AF 19<604>-6620
PROJ/TASK NR. 5632-56323

AFCRL-387
STANFORD RESEARCH INSTITUTE
A VARIATIONAL METHOD OF SYNTHESIZING ANTENNA POWER PATTERNS, MARCH 1961.
BY PROCTOR F. K., ABLOW, C. M. — DDC NR. 260244
CONTRACT NR. AF 19<604>-3502
PROJ/TASK NR. 4615-46151

AFCRL-388
STANFORD RESEARCH INSTITUTE
ECM ANTENNAS AND COMPONENTS FOR MISSILES AND SPACE VEHICLES, APRIL 1961.
BY GETSINGER, W. J. — DDC NR. 260247
CONTRACT NR. AF 19<604>-3502
PROJ/TASK NR. 4615-46151

AFCRL-389
GARRETT CORPORATION
POWER GENERATION, DISTRIBUTION AND AIR CONDITIONING STUDY FOR AUGMENTED FOURWHEELS SYSTEM, OCTOBER 31, 1961.
BY HERENDEEN, L, BLIKLEN, P — DDC NR.
CONTRACT NR. AF 19<604>-8015
PROJ/TASK NR. 2124-46518

AFCRL-390
ROYAL INSTITUTE OF TECHNOLOGY <SWEDEN>
SPEECH ANALYSIS AND SYNTHESIS, JANAURY 31, 1961.
BY FANT, C G M — DDC NR. 260482
CONTRACT NR. AF 61<052>-342
PROJ/TASK NR. 4610-46102

AFCRL-391
MOTOROLA INC.
UHF PHASE SHIFTER, FINAL REPORT, MARCH 15, 1961.
BY SAKIOTIS, N G, ALLEN, D E — DDC NR. 262711
CONTRACT NR. AF 19<604>-6171
PROJ/TASK NR. 4600-46016

AFCRL-392
TECHNOLOGICAL UNIVERSITY OF HANNOVER
ANNUAL SUMMARY REPORT, OCTOBER 27, 1960.
BY LARENZ, R W — DDC NR. 262970
CONTRACT NR. AF 61<052>-161
PROJ/TASK NR. 5630

AFCRL-393
STANFORD RESEARCH INSTITUTE
RIDGE WAVEGUIDE DIRECTIONAL COUPLERS, MAY 1961.
BY GETSINGER, W. J. — DDC NR. 260246
CONTRACT NR. AF 19<604>-3502
PROJ/TASK NR. 4615-46151

AFCRL-394
BENDIX CORPORATION
<U> DESIGN OF FCCM MODIFICATION FOR RADAR SET AN /FPN-34, JULY 1961 , SECRET
BY DAVISON, F A — DDC NR. 325151
CONTRACT NR. AF 19<604>-7386
PROJ/TASK NR. 4655

AFCRL-395
FRIEDMAN, INC., MORRIS D.
ON THE QUESTION OF THE DOPPLER EFFECT IN THE THEORY OF VAVILOV-CHERENKOV LUMINESCENCE, MAY 1961.
REPRINTED FROM IZV . VUZ. FIZ., NO. 4, 1960, PP. 56-59
BY KORSHUNOV, V A, SKORTSKII, G V — DDC NR. 262416
CONTRACT NR. AF 19<604>-8496
PROJ/TASK NR. 4649

AFCRL-396
FRIEDMAN, INC., MORRIS D.
METHOD OF INVESTIGATING RADIOWAVES IN THE TROPOSPHERE UNDER LARGE ANGLES, MAY 1961.
REPRINTED FROM IZV. VUZ. RAD-FIZ., VOL. 4, NO. 1, 1961, PP. 177-178
BY ZINICHEV, V A, RYZKOV, I A, IUDIN, O I — DDC NR. 262415
CONTRACT NR. AF 19<604>-8496
PROJ/TASK NR. 4649

AFCRL-397
FRIEDMAN, INC., MORRIS D.
USE OF A TWO-ELEMENT INTERFEROMETER TO INVESTIGATE WAVE FIELD FLUCTUATIONS, JUNE 1961.
REPRINTED FROM RADIOTEKH. I ELEKTR., VOL. 6, NO. 3, 1961, PP. 355-362
BY KARPEEV, G. A. — DDC NR. 262519
CONTRACT NR. AF 19<604>-5969
PROJ/TASK NR. 4600-46017

AFCRL-398
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> THE FUTURE OF NONCOOPERATIVE AND COOPERATIVE RECOGNITION SYSTEMS IN AEROSPACE DEFENSE, JUNE 1961, SECRET
BY KNIGHT, JR., J M — DDC NR. 325219
CONTRACT NR.
PROJ/TASK NR. 4691-46911

AFCRL-399
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
<U> RADIATION CHARACTERISTICS OF ROCKET PLUMES, JUNE 1961 SECRET
BY FALCONE, JR., V J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4691-46911

AFCRL-400
GENERAL ELECTRIC COMPANY
INVESTIGATION OF EMISSION FROM ELECTRODE SYSTEMS IN CESIUM VAPOR, MARCH 1961.
BY GIBBONS, M. D. — DDC NR. 260365
CONTRACT NR. AF 19<604>-5472
PROJ/TASK NR. 6692

AFCRL-401
GENERAL ELECTRIC COMPANY
CROSSED-FIELD THERMIONIC CONVERSION, MARCH 1961.
BY PETERS, P. H. — DDC NR. 260356
CONTRACT NR. AF 19<604>-5472
PROJ/TASK NR. 6692

AFCRL-402
NEW MEXICO, UNIVERSITY OF
ATMOSPHERIC OZONE, FINAL REPORT, SEPTEMBER 21, 1960.
BY REGENER, V H. — DDC NR. 254270
CONTRACT NR. AF 19<604>-1950
PROJ/TASK NR. 6688
PROJ/TASK NR. 8631

AFCRL-403
PENNSYLVANIA STATE UNIVERSITY
AN ANALYSIS OF THE ELECTRON DENSITIES IN REGION F OF THE IONOSPHERE, APRIL 1, 1961.
BY SCHMERLING, E. R., GRANT, D. — DDC NR. 254858
CONTRACT NR. AF 19<604>-4563
PROJ/TASK NR. 8609

AFCRL-404
KAMAN NUCLEAR
THE SIZE OF HEIGHT SYSTEMS OF AN ISOBARIC SURFACE, JULY 1961.
BY BUELL, C E — DDC NR. 261705
CONTRACT NR. AF 19<604>-7282
PROJ/TASK NR. 8624-86242

AFCRL-405
INTERMOUNTAIN WEATHER, INC.
A METHOD OF ESTIMATING INSOLATION LOSS DUE TO SOIL MOISTURE, MARCH 1961.
BY HALES, J V, LECLAIR, R R — DDC NR. 257430
CONTRACT NR. AF 19<604>-7333
PROJ/TASK NR. 8624-862402

AFCRL-407
WEIZMANN INSTITUTE OF SCIENCE
MESON PRODUCTION IN NUCLEUS-NUCLEUS COLLISIONS, NOVEMBER 15, 1960 .
BY ALEXANDER, G, AVIDAN, J, AVNI, A, YEKUTIELI, G — DDC NR. 267529
CONTRACT NR. AF 61<052>-371
PROJ/TASK NR. 8600

AFCRL-408
NAPLES, UNIVERSITY OF
SOME CONSIDERATIONS ON IONOSPHERIC SELFMODULATION AT OBLIQUE INCIDENCE, DECEMBER 1960.
BY CUTOLO, M — DDC NR. 267659
CONTRACT NR. AF 61<514>-1299
PROJ/TASK NR. 7663

AFCRL-409
OBSERVATOIRE DE PARIS-MEUDON, FRANCE
EXPERIMENTAL STUDY OF THE INFLUENCE OF THE MEAN ELECTRON ENERGY ON THE COMPOSITION OF THE N2 SPECTRUM IN THE LABORATORY AND THE AURORAS, <1960>
BY HERMAN, L — DDC NR. 256950
CONTRACT NR. AF 61<052>-88
PROJ/TASK NR. 7661

AFCRL-410
OBSERVATOIRE DE PARIS-MEUDON, FRANCE
NEW AFTERGLOW EMISSION ASSOCIATED WITH NITROGEN METASTABLE ATOMS
BY HERMAN, L — DDC NR. 257083
CONTRACT NR. AF 61<052>-88
PROJ/TASK NR. 7661

AFCRL-411
STOCKHOLM UNIVERSITY OF
NUMERICAL WEATHER PREDICTION JULY 1, 1959 - JUNE 30, 1960
BY DOOS, B R — DDC NR. 267599
CONTRACT NR. AF 61<514>-1128
PROJ/TASK NR. 7611-76128

AFCRL-412
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
INFRARED ABSORPTION BY MINOR ATMOSPHERIC CONSTITUENTS, DECEMBER 1960.
BY BURCH, D. F., SINGLETON, E. B., FRANCE W. L., WILLIAMS, D. — DDC NR. 260103
CONTRACT NR. AF 19<604>-2633
PROJ/TASK NR. 7670

AFCRL-414
STOCKHOLM, UNIVERSITY OF
NUMERICAL WEATHER PREDICTION, 1 JULY 1958-30 JUNE 1959
BY DOOS, B R
DDC NR. 267394
CONTRACT NR. AF 61(514)-1128
PROJ/TASK NR. 7611-8628

AFCRL-415(I)
REITER, REINHOLD (GERMANY)
RELATIONSHIPS BETWEEN ATMOSPHERIC ELECTRIC PHENOMENA AND SIMULTANEOUS METEOROLOGICAL CONDITIONS, VOLUME I, JULY 1960
BY REITER, R
DDC NR. 267430
CONTRACT NR. AF 61(052)-55
PROJ/TASK NR. 8620

AFCRL-415(II)
REITER, REINHOLD (GERMANY)
RELATIONSHIPS BETWEEN ATMOSPHERIC ELECTRIC PHENOMENA AND SIMULTANEOUS METEOROLOGICAL CONDITIONS, VOLUME II, JULY 1960.
BY REITER, R
DDC NR. 267431
CONTRACT NR. AF 61(052)-55.
PROJ/TASK NR. 8620

AFCRL-416
MCGILL UNIVERSITY
STUDIES IN ARCTIC AND STRATOSPHERIC METEOROLOGY, APRIL 1961.
BY HARE F. K.
BOVILLE, B. W.
DDC NR. 257298
CONTRACT NR. AF 19(604)-3865
PROJ/TASK NR. 7614

AFCRL-417
MCGILL UNIVERISTY
THE STRATOSPHERIC WIND REGIMES OF THE 1958-59 WINTER, 80 W CROSS SECTIONS, SEA-LEVEL TO 35KM, APRIL 1961.
PUBLICATION IN METEOROLOGY NO. 41
BY STEINER, H A
DDC NR. 257238
CONTRACT NR. AF 19(604)-8431
PROJ/TASK NR. 8628-862807

AFCRL-420
MARYLAND, UNIVERSITY OF
GEOMAGNETIC FIELD PERTURBATIONS DUE TO TRAPPED PARTICLES, APRIL 1961.
BY APEL, J. R.
DDC NR. 254337
CONTRACT NR. AF 19(604)-3861
PROJ/TASK NR. 8605

AFCRL-421
HEBREW UNIVERSITY
RESEARCH ON OPTICS OF SELECTIVE SURFACES, SEPTEMBER 1, 1959 TO AUGUST 31, 1960
BY TABOR, H
DDC NR. 268150
CONTRACT NR. AF 61(052)-279
PROJ/TASK NR. 6692

AFCRL-423
BALL BROTHERS RESEARCH CORPORATION
IRRADIATION MEASUREMENTS OF THE EARTHS ATMOSPHERE IN THE 5- TO 40- MICRON SPECTRAL REGION AT HIGH ALTITUDES, MARCH 1961.
BY EKREM, R. T.
FAIN, D. L.
KLUG, C. M.
HARRIS, M.
ROSENDAHL, G. R.
STACEY, D. S.
DDC NR. 255062
CONTRACT NR. AF 19(604)-5564
PROJ/TASK NR. 6683

AFCRL-424
MAX-PLANCK-INSTITUT FUR CHEMIE
CHLORINE 36 AS SPALLATION PRODUCT OF THE COSMIC RAYS IN METEORITES AND THE EXPOSURE AGE OF IRON METEORITES, MARCH 1, 1961.
BY VILCSEK, E
WANKE, H
DDC NR. 267992
CONTRACT NR. AF 61(052)-334
PROJ/TASK NR. 7667

AFCRL-425
AVCO CORPORATION
BRIGHT AND DARK RINGS, MARCH 1961.
BY PENNDORF, R. B.
DDC NR. 256969
CONTRACT NR. AF 19(604)-5743
PROJ/TASK NR. 7670-76794

AFCRL-427
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
EXPANSION AND DIFFUSION OF A LAYER OF HOT GAS IN THE PRESENCE OF THERMAL RADIATION, MARCH 1961.
BY CHOW, C. Y.
DDC NR. 259050
CONTRACT NR. AF 19(604)-5698
PROJ/TASK NR. 7673

AFCRL-430
GENERAL ELECTRIC COMPANY
RESEARCH ON THERMIONIC CONVERTERS, JUNE 1961.
BY STOUT, V. L.
BEGGS, J. E.
GIBBONS, M. D.
HOUSTON, J. M.
LESCHEN, J. G.
WEBSTER, H. F.
WILSON, V. C.
CRAWFORD, R. F.
HESSION, F. P.
HOWLETT, T. A.
DDC NR. 259880
CONTRACT NR. AF 19(604)-5472
PROJ/TASK NR. 6692

AFCRL-432
INTERMOUNTAIN WEATHER, INC.
THE USE OF INSOLATION IN FORECASTING THE DISSIPATION OF SUMMER STRATUS AT BURBANK, CALIFORNIA, MARCH 1961.
BY HALES, J V
FREY, D H
DDC NR. 257631
CONTRACT NR. AF 19(604)-7333
PROJ/TASK NR. 8624-862402

AFCRL-433
QUEEN-S UNIVERSITY, BELFAST
THE 1S-2S EXCITATION OF HYDROGEN ATOMS BY PROTON IMPACT
REPRINTED FROM PROCEEDINGS OF THE ROYAL SOCIETY, A, VOL. 258, PP. 237-244, 1960
BY KINGSTON, A E
MOISEIWITSCH, B L
SKINNER, H G
DDC NR.
CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7635

AFCRL-434
QUEEN-S UNIVERSITY, BELFAST
ATOMIC POLARIZABILITIES
REPRINTED FROM PROCEEDINGS OF THE PHYSICAL SOCIETY, VOL. LXXV, P. 169, 1960
BY PARKINSON, D
DDC NR.
CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7635

AFCRL-435
CALIFORNIA UNIVERSITY OF
LIGHT IN THE ATMOSPHERE, FEBRUARY 1961.
BY SEKERA, Z.
DDC NR. 256002
CONTRACT NR. AF 19(604)-2429
PROJ/TASK NR. 7621

AFCRL-436
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE
PROCEEDINGS OF THE THIRD ANNUAL ARCTIC PLANNING SESSION NOVEMBER 1960, APRIL 1961.
BY RIGSBY, G. P.
BUSHNELL, V. C.
DDC NR. 259953
CONTRACT NR.
PROJ/TASK NR. 7628

AFCRL-437
JOHANNES GUTENGERG-UNIVERSITAT
A RADIATION DIAGRAM FOR A SPHERICAL RECEIVER AND COMPARISONS WITH BLACK BALL MEASUREMENTS, JANUARY 1961.
BY MOLLER, F
ZDUNKOWSKI, W
DDC NR.
CONTRACT NR. AF 61(052)-357
PROJ/TASK NR. 7670

AFCRL-438
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CONTRIBUTIONS TO SATELLITE METEOROLOGY, VOLUME II, APRIL 1961.
BY VALOVCIN, F R
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4982-6698

AFCRL-439
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE PHOTOGRAMMETRIC CLOUD MEASUREMENT PROGRAM, DECEMBER 1960.
BY SHURZ, D. R.
HOULE, J. G.
DDC NR.
CONTRACT NR. AF 19(604)-4973
PROJ/TASK NR. 8620

AFCRL-440
NEW YORK UNIVERSITY
THE ENERGY EQUATION OF ATMOSPHERIC MOTIONS IN THE FREQUENCY DOMAIN, MARCH 1961.
BY CHIU, W C
DDC NR. 256049
CONTRACT NR. AF 19(604)-6146
PROJ/TASK NR. 8645-86453

AFCRL-441
GEORGIA INSTITUTE OF TECHNOLOGY
A STUDY OF THE ALTERATION OF WATER DROPLET SUPERCOOLING BY FORFIGN VAPORS, FEBRUARY 28, 1961.
BY HENDRIX, W. P.
HURD, F. K.
ORR, JR., C.
DDC NR.
CONTRACT NR. AF 19(604)-4970
PROJ/TASK NR. 8620

AFCRL-442
DARTMOUTH COLLEGE
STRUCTURAL-STRATIGRAPHIC STUDIES ON THE WARD HUNT ICE SELF, JANUARY 15, 1961.
BY LYONS, J B
LEAVITT, F G
DDC NR. 255445
CONTRACT NR. AF 19(604)-6188
PROJ/TASK NR. 7628

AFCRL-443
AMERICAN SCIENCE AND ENGINEERING, INC.
(U) INFRARED BREMSSTRAHLUNG, APRIL 24, 1961, SECRET RD
BY MANLEY, O. P.
DDC NR.
CONTRACT NR. AF 19(604)-5494
PROJ/TASK NR. 6683

AFCRL-444
THE WEIZMANN INSTITUTE OF SCIENCE
DESIGN AND CONSTRUCTION OF APPARATUS FOR AUTOMATIC DETERMINATION OF OPTICAL DISPERSION, JANUARY 1961.
BY TOPAZ, J
JAFFE, J H
DDC NR. 263405
CONTRACT NR. AF 61(052)-57
PROJ/TASK NR. 8603-860303

AFCRL-4452
AMERICAN SCIENCE AND ENGINEERING, INC.
(U) SPACE AND TIME DEPENDENCE OF NUCLEAR INFRARED SOURCES, JUNE 10, 1961, SECRET, RD
BY CARPENTER, J. W.
DDC NR.
CONTRACT NR. AF 19(604)-5494
PROJ/TASK NR. 6683

AFCRL-448
COLORADO, UNIVERSITY OF
AIR FORCE ROCKET INSTRUMENTATION, FINAL REPORT 1961
BY WILSHUSEN, F
DDC NR. 256981
CONTRACT NR. AF 19(604)-5559
PROJ/TASK NR. 7659

AFCRL-449
HARVARD UNIVERSITY
SOLAR RADIO EMMISSIONS AND GEOPHYSICAL DISTURBANCES DURING JULY 1959, MAY 1961.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 66, 651-653 NO. 2, FEBRUARY 1961
BY HUGHES, M. P.
DDC NR. 260103
CONTRACT NR. AF 19(604)-1394
PROJ/TASK NR. 7649

AFCRL-650
JOHNS HOPKINS UNIVERSITY
SEV RADIATIONS FROM THE BALLOON FLIGHT OF MARCH 8, 1960, FEBRUARY 1, 1961.
BY WHITE, R W — DDC NR. 261213
STRONG, J — CONTRACT NR. AF 19(604)-8176
PROJ/TASK NR. 8601

AFCRL-651
SMITHSONIAN INSTITUTE
THE SPACE DENSITY OF ATMOSPHERIC DUST IN THE ALTITUDE RANGE 50,000 TO 90,000 FEET, APRIL 14, 1961.
BY HODGE, P — DDC NR.
WRIGHT, F W — CONTRACT NR. AF 19(604)-6627
PROJ/TASK NR. 7667

AFCRL-653
UPPSALA, UNIVERSITY OF
THE RELATION BETWEEN LIGHTNING DISCHARGES AND WHISTLERS
REPRINTED FROM PLANET, SPACE SCI, PERGAMON PRESS 1959, V. 1 PP. 179-189
BY NORINDER, H — DDC NR.
EKUDSEN, F — CONTRACT NR. AF 61(052)-07
PROJ/TASK NR. 7669-76A39

AFCRL-654
UPPSALA, UNIVERSITY OF
SOME COMMENTS ON THE PENETRATION OF WHISTLERS THROUGH IONOSPHERIC LAYERS, JANUARY 22, 1960.
REPRINTED FROM PLANET, SPACE SCI, PERGAMON PRESS 1960, V. 2 PP. 261-267
BY NORINDER, H — DDC NR.
CONTRACT NR. AF 61(052)-07
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AFCRL-655
UPPSALA UNIVERSITY OF
LIGHTNING DISCHARGES AS ORIGIN OF WHISTLERS
REPRINTED FROM PROCEEDINGS OF THE FOURTH INTERNATIONAL CONFERENCE ON IONIZATION PHENOMENA IN GASES, 17-21 AUGUST 1959 EDITED BY N. ROBERT NILSSON
BY NORINDER, H — DDC NR.
EKUDSEN, F — CONTRACT NR. AF 61(052)-07
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AFCRL-656
UPPSALA, UNIVERSITY OF
LIGHTNING DISCHARGES AS A SOURCE OF WHISTLERS 1960.
REPRINTED FROM ARKIV FOR GEOFYSIK, UTGIVET AV, KUNGL. SVENSKA VETENSKAPSAKADEMIEN, BAND 3 NR 11
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AFCRL-657
ALLIED RESEARCH ASSOCIATES, INC.
INTERPRETATION OF SATELLITE OBSERVATIONS OF INFRARED RADIATION, APRIL 20, 1961.
BY WEILER, R. — DDC NR. 256238
CONTRACT NR. AF 19(604)-5968
PROJ/TASK NR. 6698-68B04

AFCRL-658
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
HORIZONTAL SOUNDING BALLOON FEASIBILITY STUDY, MAY 1961
BY SPALDING, T R — DDC NR. 259955
SOLOT, S B — CONTRACT NR.
PROJ/TASK NR. 7776-77T8B

AFCRL-659
BALL BROTHERS RESEARCH CORPORATION
DESIGN STUDY FOR AN IMPROVED OPERATIONAL RADIOMETER FINAL REPORT MARCH 1961.
BY JOHNSON, D S — DDC NR.
PAIN, D L — CONTRACT NR. AF 19(604)-8121
HERSHEY, R L — PROJ/TASK NR. 8649

AFCRL-660
PENNSYLVANIA STATE UNIVERSITY
A STUDY OF THE CHANGES IN THE F-REGION DURING SEVERE MAGNETIC STORMS, MARCH 1, 1961.
BY SOMAYAJULU, V. V. — DDC NR. 258961
CONTRACT NR. AF 19(604)-6563
PROJ/TASK NR. 8609

AFCRL-661
GEOPHYSICS CORPORATION OF AMERICA
RESEARCH DIRECTED TOWARD A THEORETICAL STUDY OF PHYSICAL PROCESSES ASSOCIATED WITH CHEMICAL RELEASES IN THE UPPER ATMOSPHERE, FINAL REPORT NO. 1, APRIL 10, 1961.
BY — DDC NR.
CONTRACT NR. AF 19(604)-7269
PROJ/TASK NR. 7671

AFCRL-662
MICHIGAN UNIVERSITY OF
ACCELERATION OF PLASMAS BY INDUCTIVELY GENERATED ELECTROMAGNETIC FIELDS, APRIL 1961.
BY MILLER, D. A. — DDC NR.
CONTRACT NR. AF 19(604)-6557
PROJ/TASK NR.

AFCRL-663
PENNSYLV, UNIVERSITY OF
INTENSITIES AND LINE SHAPES OF THE FUNDAMENTAL VIBRATION ROTATION BAND OF HF AND OTHER INFRARED STUDIES, MARCH 31, 1961.
BY DEEDS, W. F. — DDC NR. 257920
GAILAR, N. M. — CONTRACT NR. AF 19(604)-2201
MEGGET, W. F. — PROJ/TASK NR. 7670
HOLLADAY, T. M.
LOVELL, R. J.
MASON A. A.
NIELSEN, A. H.

AFCRL-666
SASKATCHEWAN, UNIVERSITY OF
EXPERIMENTS WITH MONOCHROMATIC ALL-SKY CAMERAS, NOVEMBER 1960.
BY RAMSDEN, D — DDC NR.
CONTRACT NR. AF 19(604)-7265
PROJ/TASK NR. 7661-76A12

AFCRL-667
SASKATCHEWAN, UNIVERSITY OF
VERTICAL DISTRIBUTION OF SODIUM IN THE UPPER ATMOSPHERE REPRINTED FROM CAN. J. PHYS, VOL 39, 196
BY BULLOCK, W R — DDC NR.
HUNTER, D M — CONTRACT NR. AF 19(604)-7265
PROJ/TASK NR. 7661-76A12

AFCRL-668
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AREA-DOSAGE RELATIONSHIPS AND TIME OF TRACER ARRIVAL IN THE GREEN GLOW PROGRAM MAY 1961.
BY ELLIOTT, W P — DDC NR. 261484
FRGELMANN, R J — CONTRACT NR.
NICKOLAS, P W — PROJ/TASK NR. 1468-B644

AFCRL-669
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EVALUATION OF ARCTIC ICE-FREE LAND SITES, ERRATA
CHRISTIAN LAND AND PEARY LAND, NORTH GREENLAND, 1960
JUNE 1961
BY DAVIES, W F — DDC NR. 269405
BRINSLEY, D R — CONTRACT NR.
PROJ/TASK NR. 7628-76284

AFCRL-672
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
A STUDY OF SACRAMENTO PEAK FLARES, II, FLARE AREAS AND IMPORTANCE CLASSIFICATIONS, MAY 1961
BY SMITH, H. J. — DDC NR.
BOOTON, W. D. — CONTRACT NR.
PROJ/TASK NR. 7628

AFCRL-672 (III)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A STUDY OF SACRAMENTO PEAK FLARES, II SYMPATHETIC FLARES
APRIL 1962,
BY SMITH, H. J. — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7628-76A39

AFCRL-672(IV)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A STUDY OF SCAR FNTO PEAK FLARES, IV FILAMENT DISAPPEARANCES, FLARE SPRAY AND LOOP PROMINENCES, OCTOBER 1962.
BY SMITH, H. J. — DDC NR.
BOOTON, W D — CONTRACT NR.
PROJ/TASK NR. 7628-76A39

AFCRL-673
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
INSTABILITY AND VERTICAL MOTIONS IN THE JET STREAM, MAY 1961.
BY KUETTNER, J P — DDC NR.
MCLEAN, G F — CONTRACT NR.
PROJ/TASK NR. 8624-84A40

AFCRL-674
GEOPHYSICS CORPORATION OF AMERICA
(U) INFRARED RADIATION GENERATED BY A NUCLEAR DETONATION MAY 10, 1961 , SECRET RD
BY STUBBS, H F — DDC NR. 323567
DEGGES, T C — CONTRACT NR. AF 29(601)-2606
WILFERT, A C — PROJ/TASK NR. 7200
BERGER, A W
DALGARNO, A
CARPENTER, R O-B
FRANZOSA, W
JONES, R
CASEY, M
PRESSMAN, J

AFCRL-675
TECHNICAL OPERATIONS, INC .
RESEARCH DIRECTED TOWARD THE IMPROVEMENT OF THE EFFICIENCY OF SILICON BATTERIES BY UTILIZATION OF UNABSORBED PHOTONS, MAY 1, 1961.
BY — DDC NR. 257695
CONTRACT NR. AF 19(604)-7376
PROJ/TASK NR. 4696

AFCRL-676
CALIFORNIA, UNIVERSITY OF
PRELIMINARY STUDY OF NUMERICAL ERRORS IN THE INTEGRATION OF A BAROTROPIC FLOW ON A SPHERICAL GRID, MARCH 15, 1961.
BY GATES, W L — DDC NR.
RIEGEL, C A — CONTRACT NR. AF 19(604)-6169
PROJ/TASK NR. 8628-86280

AFCRL-677
PENNSYLVANIA STATE UNIVERSITY
IONOSPHERIC RESEARCH, APRIL 30, 1961.
BY PRRARO, A. J. — DDC NR. 257173
CONTRACT NR. AF 19(604)-5875
PROJ/TASK NR. 7661

AFCRL-678
UPPSALA, UNIVERSITY OF
MULTIPLE LIGHTNING DISCHARGES FOLLOWED BY WHISTLERS, 1961 .
REPRINTED FROM ARKIV FOR GEOFYSIK, UTGIVET AV, KUNGL. SVENSKA VETENSKAPSAKADEMIEN, BAND 3 NR 12
BY NORINDER, H — DDC NR.
EKUDSEN, F — CONTRACT NR. AF 61(052)-07
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UPPSALA, UNIVERSITY OF
RECENT RESULTS IN THE INVESTIGATION OF THE RELATION BETWEEN LIGHTNING DISCHARGES AND WHISTLERS, APRIL 20, 1960. REPRINTED FROM PLANET. SPACE SCI. PERGAMON PRESS 1961. V 5, PP. 46-49
BY ÖRNDER, H — DDC NR.
KNUDSEN, E — CONTRACT NR. AF 61(052)-07
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UPPSALA, UNIVERSITY OF
OCCURRENCE OF DIFFERENT KINDS OF WHISTLER ACTIVITY, 1961. REPRINTED FROM ARKIV FOR GEOFYSIK, UTGIVET AV, KUNGL. SVENSKA VETENSKAPSAKADEMIEN, BAND 3 NR. 17
BY ÖRNDER, H — DDC NR.
KNUDSEN, E — CONTRACT NR. AF 61(052)-07
PROJ/TASK NR. 7663-76634

AFCRL-481
MICHIGAN COLLEGE OF MINING AND TECHNOLOGY
ANALYSIS OF DIFFRACTION PATTERNS ON THE GROUND CAUSED BY IONOSPHERIC IRREGULARITIES, MARCH 1961.
BY YERG, D. G. — DDC NR.
CONTRACT NR. AF 19(604)-3867
PROJ/TASK NR. 7663

AFCRL-482
SO. CALIFORNIA, UNIV OF
FLUORESCENCE INDUCED BY VACUUM ULTRAVIOLET RADIATION MARCH 20, 1961.
BY SCHOEN, R. I — DDC NR. 268005
JUDGE, D. L — CONTRACT NR. AF 19(604)-6119
WEISSLER, G. L — PROJ/TASK NR. 7639

AFCRL-486
GROUP FOR THE ADVANCEMENT OF SPECTROSCOPIC METHODS PARIS
ROTATION SPECTRUM OF MOLECULES WITH C3V SYMMETRY IN AN EXCITED VIBRATIONAL STATE VT = 1, JANUARY 25, 1961.
BY GRENIER-BESSON, M. L — DDC NR. 270586
AMAT, G — CONTRACT NR. AF 61(052)-369
PROJ/TASK NR. 8603

AFCRL-487
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RESEARCH DIRECTED TOWARD STUDY OF ATMOSPHERIC REACTIONS TO CHANGING CONDITIONS OF SOLAR ACTIVITY APRIL 1, 1961.
BY WILLETT, H. C. — DDC NR. 260366
CONTRACT NR. AF 19(604)-3056
PROJ/TASK NR. 7659

AFCRL-489
HAWAII, UNIVERSITY OF
THE SUBTROPICAL CYCLONE, APRIL 1961.
BY RAMAGE, C. S — DDC NR.
CONTRACT NR. AF 19(604)-6196
PROJ/TASK NR. 6698-66982

AFCRL-490
ROYAL SWEDISH ACADEMY OF SCIENCES
AN AUTOMATIC DIGITAL RECORDING AND REDUCING SYSTEM FOR GEOMAGNETIC STANDARD DATA, JANUARY 27, 1961.
BY HULTQVIST, B — DDC NR. 267762
THUNBERG, A — CONTRACT NR. AF 61(052)-237
LINDELL, S — PROJ/TASK NR. 8601
MEIKEILA, E E

AFCRL-491
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MEASUREMENT OF DROP SIZE DISTRIBUTION AND LIQUID WATER CONTENT IN NATURAL CLOUDS, JULY 31, 1960.
BY REILY, D. P. — DDC NR. 257866
CONTRACT NR. AF 19(604)-3050
PROJ/TASK NR. 8620

AFCRL-492
CHICAGO, UNIVERSITY OF
ON THE MESOMETEOROLOGICAL FIELD STUDIES NEAR FLAGSTAFF, ARIZONA, MAY 1961.
BY FUJITA, T — DDC NR. 257885
STYBER, K A — CONTRACT NR. AF 19(604)-7259
BROWN, P A — PROJ/TASK NR. 8620

AFCRL-493
MELPAR, INC.
ANALYSIS OF MESOSCALE STRUCTURE IN ANTICYCLONIC JET-STREAM FLOW, FINAL REPORT APRIL 30, 1961.
BY TWITCHELL, P F — DDC NR. 260258
LARE, M — CONTRACT NR. AF 19(604)-6122
BAGLEY, C — PROJ/TASK NR. 8668

AFCRL-4961I
CONVAIR
<U> MID-COURSE EXPERIMENTAL RESEARCH, APPENDIX II, DECEMBER 31, 1960. SECRET
BY — DDC NR.
CONTRACT NR. AF 19(604)-5556
PROJ/TASK NR. 5063

AFCRL-495
CONVAIR
<U> ROCKET PLUME RADIATION STUDIES, DECEMBER 31, 1960. SECRET
BY — DDC NR.
CONTRACT NR. AF 19(604)-5556
PROJ/TASK NR. 5063

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CONVAIR
BIANNUAL SCIENTIFIC REPORT, JUNE 30, 1959.
BY — DDC NR.
CONTRACT NR. AF 19(604)-5556
PROJ/TASK NR. 5063

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<U> ROCKET PLUME RADIATION STUDIES, JUNE 30, 1959. SECRET
BY — DDC NR.
CONTRACT NR. AF 19(604)-5556
PROJ/TASK NR. 5063

AFCRL-498
RADIO CORPORATION OF AMERICA
<U> INVESTIGATION OF TRANSPORTABLE SEARCH RADAR AND SIF EQUIPMENT JANUARY 19 - JUNE 19, 1961. CONFIDENTIAL
BY — DDC NR.
CONTRACT NR. AF 19(604)-8020
PROJ/TASK NR. 2124-46227

AFCRL-501
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS, MAY 25, 1961.
BY AFFLECK, J. H. — DDC NR. 262776
CONTRACT NR. AF 19(604)-6093
PROJ/TASK NR. 4619-46190

AFCRL-502
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ULTRA-HIGH PRESSURE RESEARCH JUNE 1961.
PRESENTED AT THE 53RD ANNUAL MEETING, AMERICAN INST. OF CHEMICAL ENGINEERS, WASHINGTON, D.C., 7 DECEMBER 1960
BY FIELD, W. G — DDC NR. 266232
CONTRACT NR.
PROJ/TASK NR. 4608-46087

AFCRL-503
SYRACUSE UNIVERSITY RESEARCH INSTITUTE
THREE PROOFS FOR THE FUNDAMENTAL THEOREM OF INFORMATION THEORY DISCRETE MEMORYLESS CHANNELS, JUNE 1961.
BY REZA, F M — DDC NR. 262868
CONTRACT NR. AF 19(604)-6169
PROJ/TASK NR. 5632-56323

AFCRL-504
TECHNICAL RESEARCH GROUP, INC.
APPLIED PROBLEMS IN ELECTROMAGNETIC THEORY, APRIL 1961.
BY FAY, A. E. — DDC NR.
CONTRACT NR. AF 19(604)-3476
PROJ/TASK NR. 4600-46009

AFCRL-505
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
STATIC AND DYNAMIC RESPONSES IN THE HOMOSTAT JENNY, JUNE 1961
BY WILLIAMS, M. E — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56324

AFCRL-506
ANDREW ALFORD CONSULTING ENGINEERS
A HIGH-GAIN STACKED-V ANTENNA WITH SLOTTED-WAVEGUIDE FEED, JULY 1961.
BY FLOOD, D. P. — DDC NR. 261129L
CONTRACT NR. AF 19(604)-1528
PROJ/TASK NR. 4601-46039

AFCRL-507
GENERAL ELECTRIC COMPANY
LUNAR TRAJECTORY STUDIES, JUNE 1961.
BY PETTY, A. — DDC NR. 261470
JUREVICH, I. — CONTRACT NR. AF 19(604)-4864
FARRIZE, M. — PROJ/TASK NR. 5632-56321
COFFIN, T.

AFCRL-508
HARVARD UNIVERSITY
FINAL REPORT ON CONTRACT APRIL 5, 1961.
BY JONES, R. V. — DDC NR. 261050
CONTRACT NR. AF 19(604)-1084
PROJ/TASK NR. 4600-46001

AFCRL-509
AVCO CORPORATION
EFFECTS OF CORPUSCULAR EMISSIONS ON THE POLAR IONOSPHERE FOLLOWING SOLAR FLARES JUNE 1961.
BY HILL, G. E. — DDC NR.
CONTRACT NR. AF 19(604)-6092
PROJ/TASK NR. 4603-46035

AFCRL-511
FRIEDMAN, INC., MORRIS D.
ON THE THEORY OF COMBINATION SCATTERING OF WAVES ON A ROUGH SURFACE, JUNE 1961.
REPRINTED FROM IZV. VUZ. RAD-FIZ., VOL. 4, NO. 1, 1961, PP. 58-66
BY BASS, F. G — DDC NR.
CONTRACT NR. AF 19(604)-8498
PROJ/TASK NR. 4649

AFCRL-512
FRIEDMAN, INC., MORRIS D.
ON THE CURRENT DISTRIBUTION IN AN ANTENNA WITH NONMECHANICAL BEAM SCANNING, JUNE 1961.
REPRINTED FROM IZV. VUZ. RADIOTEKH, VOL. 4, NO. 1, 1961, PP. 64-76
BY VENDIK, O. G. — DDC NR. 262520
CONTRACT NR. AF 19(604)-5049
PROJ/TASK NR. 4600-46017

AFCRL-513
RAYTHEON COMPANY
RESEARCH ON THE CHEMISTRY AND SINGLE CRYSTAL GROWTH OF MAGNETIC OXIDES, JUNE 5, 1961.
BY VAN HOOF, H. J. — DDC NR. 260769
PALADINO, A. E. — CONTRACT NR. AF 19(604)-5511
ROITER, B. D. — PROJ/TASK NR. 4608-46087
ROMANE, P.
MOZZI, R. L.

AFCRL-914
POLYTECHNIC INSTITUTE OF BROOKLYN
A NEW THEORY OF CASCADE SYNTHESIS. MAY 29, 1961.
BY YOULA, D. C. DDC NR. 261923
CONTRACT NR. AF 19(604)-4149
PROJ/TASK NR. 5635-56350

AFCRL-915
BROWN UNIVERSITY
DIELECTRIC COATED ANTENNA. JUNE 1961.
BY KONZEKANANI, S. DDC NR.
CONTRACT NR. AF 19(604)-6561
PROJ/TASK NR. 5635-56351

AFCRL-916
ROYAL SWEDISH ACADEMY OF SCIENCE
SOME CHARACTERISTICS OF A SWEPT FREQUENCY INTERFEROMETER FOR 35-65 MC/S. FEBRUARY 15, 1961.
BY MULTOVIST, B DDC NR. 262284
LISZKA, L CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631-56313

AFCRL-917
ROYAL SWEDISH ACADEMY OF SCIENCE
STUDIES OF HF- AND VHF- AURORAL ZONE PROPAGATION. FEBRUARY 1961.
BY LISZKA, L DDC NR. 262285
CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631-56313

AFCRL-918
ROYAL SWEDISH ACADEMY OF SCIENCE
INVESTIGATIONS OF RADIO TRANSMISSIONS FROM 1958 2 (SPUTNIK III) MADE AT KIRUNA GEOPHYSICAL OBSERVATORY. FEBRUARY 15, 1961.
BY LISZKA, L DDC NR. 262283
MULTOVIST, B CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631-56313

AFCRL-919
CORNELL UNIVERSITY
CONSTRUCTION OF THE DEPARTMENT OF DEFENSE IONOSPHERIC RESEARCH FACILITY. JUNE 30, 1961.
BY DDC NR. 260368
CONTRACT NR. AF 19(604)-6158
PROJ/TASK NR. 4781

AFCRL-920
RCA VICTOR COMPANY LTD .
WAVES IN WARM QUIESCENT PLASMAS. JUNE 1961.
BY JOHNSTON, T W DDC NR. 262351
CONTRACT NR. AF 19(604)-7266
PROJ/TASK NR. 5581-46304

AFCRL-921
CENTRO DI STUDIO PER LA FISICA DELLE. FLORENCE, ITALY
MAINTENANCE AND OPERATION OF A DOPPLER DATA RECORDING STATION. PART I DOPPLER EFFECT MEASUREMENTS. SEPTEMBER 1960
BY CHECCACCI, P F DDC NR. 261764
CONTRACT NR. AF 61(052)-182
PROJ/TASK NR. 5631-56315

AFCRL-921(2)
CENTRO DI STUDIO PER LA FISICA DELLE. FLORENCE, ITALY
MAINTENANCE AND OPERATION OF A DOPPLER DATA RECORDING STATIONS, PART II IONOSPHERIC MEASUREMENTS, 1960.
BY CHECCACCI, P F DDC NR. 260380
CONTRACT NR. AF 61 (052)-182
PROJ/TASK NR. 5631-56315

AFCRL-922
UPPSALA UNIVERSITY OF
COMBINED ANALYSIS OF DAYLIGHT PHOTOGRAPHS OF LIGHTNING PATHS AND SIMULTANEOUS OSCILLOGRAPHIC RECORDS
REPRINTED FROM RECENT ADVANCES IN ATMOSPHERIC ELECTRICITY
PERGAMON PRESS, 1959
BY NORINDER, H DDC NR. 262371
KNUDSEN, F CONTRACT NR. AF 61(052)-171
PROJ/TASK NR. 5630

AFCRL-923
UPPSALA UNIVERSITY OF
MULTIPLE STROKES IN LIGHTNING CHANNELS
REPRINTED FROM RECENT ADVANCES IN ATMOSPHERIC ELECTRICITY.
PERGAMON PRESS, 1959
BY NORINDER, H DDC NR. 262372
KNUDSEN, F CONTRACT NR. AF 61(052)-171
VOLLMER, R PROJ/TASK NR. 5630

AFCRL-924
UPPSALA, UNIVERSITY OF
CONTRIBUTION TO THE CALCULATION OF LIGHTNING SURGES INDUCED IN ELECTRIC TRANSMISSIONS LINES. JANUARY 1961.
BY LEVINE, J P DDC NR. 262376
CONTRACT NR. AF 61(052)-171
PROJ/TASK NR. 5630

AFCRL-925
CENTRO DI STUDIO PER LA FISICA DELLE. FLORENCE, ITALY
RESEARCH ON ELECTROMAGNETIC THEORY MARCH 1961.
BY CASINI, G C DDC NR. 261763
RONCHI, L CONTRACT NR. AF 61(052)-67
RUSSO, V PROJ/TASK NR. 4600-46017
SCHEGGI, A M
TASSINARIO, G P
ZACCAGNINI, C

AFCRL-926
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
A THEORETICAL INVESTIGATION OF A TRAVELING WAVE PARAMETRIC AMPLIFIER, MARCH 10, 1961.
BY SORENSSEN, A DDC NR. 260750
CONTRACT NR. AF 61(052)-484
PROJ/TASK NR. 5639-56350

AFCRL-927
DENMARK, TECHNICAL UNIVERSITY OF
GROUND WIRE SYSTEMS FOR LOW FREQUENCY ANTENNAS. DECEMBER 1960.
BY LARSEN, T DDC NR. 261705
CONTRACT NR. AF 61(052)-319
PROJ/TASK NR. 4600-46009

AFCRL-928
IONOSPHAREN-INSTITUT FREISACH, GERMANY
PROC RADIO PROPAGATION BETWEEN A SPACE VEHICLE AND THE EARTH IN THE PRESENCE OF THE IONOSPHERE
REPRINTED FROM SPACE RESEARCH 269-271
BY RAWER, K DDC NR. 262276
CONTRACT NR. AF 61(052)-165
PROJ/TASK NR. 1770

AFCRL-929
TRG, INCORPORATED
A LINE SOURCE FEED FOR A SHEPERICAL REFLECTOR. MAY 29, 1961.
BY KAY, A. F. DDC NR.
CONTRACT NR. AF 19(604)-5592
PROJ/TASK NR. 4506-46313

AFCRL-930
BOSTON UNIVERSITY
HIGHER ORDER CONSERVATION LAWS IN THE THEORY OF STATIONARY ELECTROMAGNETIC FIELDS. JUNE 1961.
BY ROMAN, P DDC NR. 261372
CONTRACT NR. AF 19(604)-8022
PROJ/TASK NR. 5635-56355

AFCRL-931(1)
PLESSET ASSOCIATES, INC.
COLLISION CROSS SECTIONS ATOMIC SCATTERING PROCESSES. AND HIGH RESOLUTION GROUND BASED SIMULTANEOUS MEASUREMENT OF IONOSPHERIC ELECTRON DENSITY AND COLLISION FREQUENCY. PART I JANUARY 30, 1961.
BY RICHEY, F DDC NR.
WEHNER, R S CONTRACT NR. AF 19(604)-8187
GERJUOY, E PROJ/TASK NR. 4618-46181

AFCRL-931(II)
PLESSET ASSOCIATES, INC.
QUALITATIVE CONSIDERATIONS CONCERNING THE HIGH ALTITUDE EXHAUST PLUME AND ITS INTERACTION WITH THE IONOSPHERE. PART II. JUNE 22, 1961.
BY REIFMAN, A DDC NR.
CONTRACT NR. AF 19(604)-6187
PROJ/TASK NR. 4618-46181

AFCRL-932
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS. MAY 1961.
BY DDC NR. 262686
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-933
FRIEDMAN, INC., MORRIS D.
ON THE CONSERVATION LAW AND EXPRESSION FOR THE ENERGY DENSITY IN THE ELECTRODYNAMICS OF ABSORBING AND DISPERSING MEDIA. JUNE 1961.
REPRINTED FROM IZV. VUZ. RAD-FIZ., VOL. 4, NO. 1. 1961.
PP. 74-89
BY GINZBURG, V L DDC NR. 262410
CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4649

AFCRL-934
FRIEDMAN, INC., MORRIS D.
SURFACE WAVES ON THE BOUNDARY OF A PLASMA IN A MAGNETIC FIELD. JULY 1961.
REPRINTED FROM RASPROST. RADIOVOLN I IONOSF., TRUDY. NIZMIRAN USSR, NO. 17(27). 1960. PP. 208-214
BY GINTSBURG, M. A. DDC NR. 262421
CONTRACT NR. AF 19(604)-5989
PROJ/TASK NR. 4630-46017

AFCRL-935
TRG, INCORPORATED
FINAL REPORT. JUNE 13, 1961.
BY KAY, A. F. DDC NR.
CONTRACT NR. AF 19(604)-5532
PROJ/TASK NR. 4506-46313

AFCRL-937
IONOSPHAREN-INSTITUT FREISACH, GERMANY
IONOSPHERIC PULSE TRANSMISSION OVER LARGE DISTANCES IDENTIFICATION OF TRACES. NOVEMBER 30, 1960.
BY FYFRIG, R DDC NR. 260833
RAWER, K CONTRACT NR. AF 61(052)-129
PROJ/TASK NR. 4601

AFCRL-938
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
DETERMINATION OF THE DIRECTION CORRESPONDING TO THE MAXIMUM RATE OF RADAR ECHOES FROM METEOR TRAILS. DECEMBER 1960.
BY CARRARA, N DDC NR.
CHECCACCI, P F CONTRACT NR. AF 61(052)-477
RONCHI, L PROJ/TASK NR. 5631-56312
SCHEGGI, A M

AFCRL-939
RESEARCH TECHNOLOGY ASSOCIATES, INC.
STUDY OF ELECTRON AND ION BEAMS UNDER OUTER SPACE CONDITIONS. MAY 12, 1961.
BY HARABIAN, J. DDC NR. 261389
CONTRACT NR. AF 19(604)-5864
PROJ/TASK NR. 4156-46310

AFCRL-941
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ELECTRONIC ANALOG MULTIPLIER JULY 1961
BY SLAC, E F DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4649-46491

AFCRL-942
TENNESSEE, UNIVERSITY OF
THE THEORY OF SINGLE-RING CIRCULAR ANTENNA ARRAYS, JULY 1, 1961.
BY MICKNAN, C. E., DDC NR. 262662
NEFF, H. P., CONTRACT NR. AF 19(604)-4967
TILLMAN, J. D., PROJ/TASK NR. 4600-46015

AFCRL-943
HUGHES AIRCRAFT COMPANY
MULTIPLE TARGET RESPONSE OF DATA PROCESSING ANTENNAS, MAY 31, 1961.
BY PEDINOFF, M. E., DDC NR.
KSIENSKI, A. A., CONTRACT NR. AF 19(604)-8386
PROJ/TASK NR. 4600-46008

AFCRL-944
NEW YORK UNIVERSITY
THE GEOMETRY OF REPRESENTATIONS FOR ACTIVE NETWORKS, MAY 26 1961.
BY STOCK, D. J. R., DDC NR. 264396
KAPLAN, L. J., CONTRACT NR. AF 19(604)-7486
PROJ/TASK NR. 9635-96350

AFCRL-945
NEW YORK UNIVERSITY
INTERPRETATIONS OF RICCATI EQUATIONS FOR SOME CIRCUITS, MAY 26, 1961
BY STOCK, D. J. R., DDC NR. 264397
KAPLAN, L. J., CONTRACT NR. AF 19(604)-7486
PROJ/TASK NR. 9635-96350

AFCRL-946
NEW YORK UNIVERSITY
RECTANGULAR TRANSFER MATRICES, JUNE 5, 1961.
BY KAPLAN, L. J., DDC NR. 264398
STOCK, D. J. R., CONTRACT NR. AF 19(604)-7486
PROJ/TASK NR. 9635-96350

AFCRL-947
RADIO CORPORATION OF AMERICA
VOCODER EVALUATION STUDIES, JUNE 30, 1962.
BY MEEKER, W. F., DDC NR.
NELSON, A. L., CONTRACT NR. AF 19(604)-6151
PROJ/TASK NR. 4610-46102

AFCRL-948
RADIO CORPORATION OF AMERICA
A GENERATOR OF PSEUDO-RANDOM BINARY NUMBERS, APRIL 1961.
BY JONES, D. M., DDC NR. 261353
CONTRACT NR. AF 19(604)-8079
PROJ/TASK NR. 4610-46104

AFCRL-949
CALIFORNIA, UNIVERSITY OF
CYCLOTRON-WAVE NONCONVECTIVE INSTABILITY, JULY 1, 1961.
BY TRIVELPIECE, A. W., DDC NR. 263777
NAKUM, B. J., CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 5635-56342

AFCRL-950(1)
GEOPHYSICS CORPORATION OF AMERICA
SURVEY AND EVALUATION OF PHENOMENA AND TECHNIQUES IN THE ULTRAVIOLET, VISIBLE AND SUBMILLIMETER REGION FOR APPLICATION TO DETECTION AND ASTROSURVEILLANCE, JULY 1, 1961.
BY CHAPMAN, F. W., DDC NR. 261485
CARPENTER, R. O-B, CONTRACT NR. AF 19(604)-7412
PRESSMAN, J., PROJ/TASK NR. 4649-46492
JONES, R. C.
BEDINGER, J. F.
MANRING, E. R.
NAQVI, A. M.
REINING, D. O.
WILFERT, A. C.

AFCRL-950(II)
GEOPHYSICS CORPORATION OF AMERICA
(U) SURVEY AND EVALUATION OF PHENOMENA AND TECHNIQUES IN THE ULTRAVIOLET, VISIBLE AND SUBMILLIMETER REGION FOR APPLICATION TO DETECTION AND ASTROSURVEILLANCE, JULY 1, 1961. PART II SECRET
BY CHAPMAN, F. W., DDC NR. 326628
CARPENTER, R. O-B, CONTRACT NR. AF 19(604)-7412
PRESSMAN, J., PROJ/TASK NR. 4649-46492
JONES, R. C.
BEDINGER, J. F.
MANRING, E. R.
NAQVI, A. M.
REINING, D. O.
WILFERT, A. C.

AFCRL-951
WASHINGTON UNIVERSITY OF
CURRENTS INDUCED ON THE SURFACE OF A CONDUCTING CIRCULAR CYLINDER BY A SLOT, SEPTEMBER 1961.
BY HASSERJIAN, G., DDC NR. 264488
ISHIMARU, A., CONTRACT NR. AF 19(604)-6098
HELD, G., PROJ/TASK NR. 5635-56350

AFCRL-953
GENERAL ELECTRIC CO.
LUNAR REFLECTION STUDIES, JULY 6, 1961.
BY DDC NR. 264312
CONTRACT NR. AF 19(604)-8634
PROJ/TASK NR. 4603-46133

AFCRL-954
RESEARCH CHEMICALS
THE PREPARATION OF HIGH PURITY RARE EARTH METALS, JUNE 1961.
BY LOVE, B., DDC NR.
CONTRACT NR. AF 19(604)-7491
PROJ/TASK NR. 4608-46006

AFCRL-955(I)
RADIO CORPORATION OF AMERICA
ELECTRONIC SPECTRA OF TRANSITION METAL IONS IN CYRSTALS, PART II, JUNE 1, 1961.
BY MCCLURE, D. S., DDC NR.
POLO, S. R., CONTRACT NR. AF 19(604)-5561
WEAKLIEM, H. A., PROJ/TASK NR. 5621-56211

AFCRL-955(II)
RADIO CORPORATION OF AMERICA
ELECTRONIC SPECTRA OF TRANSITION METAL IONS IN CRYSTALS, PART II, TABLES, JUNE 1, 1961.
BY MCCLURE, D. S., DDC NR.
POLO, S. R., CONTRACT NR. AF 19(604)-5561
WEAKLIEM, H. A., PROJ/TASK NR. 5621-56211

AFCRL-956
SYLVANIA ELECTRONIC SYSTEMS
NEW TECHNIQUES FOR MACHINE COMPUTATION OF THE Q-FUNCTION, TRUNCATED NORMAL DEVIATES, AND MATRIX EIGENVALUES, JULY 1961.
BY JOHANSEN, D. E., DDC NR. 269309
CONTRACT NR. AF 19(604)-7237
PROJ/TASK NR. 4600-46071

AFCRL-957(I)
PHILCO CORPORATION
POLYSTATION DOPPLER TRACKING, FINAL REPORT, VOLUME I, JUNE 1961.
BY BESAG, P. L., DDC NR.
CONTRACT NR. AF 19(604)-6647
PROJ/TASK NR. 4600-46019

AFCRL-957II
PHILCO CORPORATION
POLYSTATION DOPPLER TRACKING, FINAL REPORT, VOLUME II, JUNE 1961.
BY BESAG, P. L., DDC NR.
CONTRACT NR. AF 19(604)-6647
PROJ/TASK NR. 4600-46019

AFCRL-958
BOEING COMPANY
A TEETER-TOTTER APPROACH TO ARRAY SCANNING, AUGUST 1961
BY FAN, J. C., DDC NR.
OH, L. L., CONTRACT NR. AF 19(604)-6189
PROJ/TASK NR. 4600-46008

AFCRL-959
TECHNOLOGICAL UNIVERSITY OF HANNOVER
STRONG PLASMA SHOCK WAVES AND EXCITATION OF PLASMA OSCILLATIONS, OCTOBER 27, 1960.
BY ROLOFF, J., DDC NR. 262277
CONTRACT NR. AF 61(052)-161
PROJ/TASK NR. 4632

AFCRL-960
COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL
IONOSPHERIC PROPAGATION FIELD MEASUREMENTS WITH SPACE DIVERSITY AT THE RECEIVER NOVEMBER 25, 1960.
BY RIGGI, V., DDC NR. 261077
CONTRACT NR. AF 61(052)-442
PROJ/TASK NR. 4603

AFCRL-961
COMPAGNIE GENERALE DE T.S.F. (PARIS)
SUPERDIRECTIVE ANTENNAS AT LOW FREQUENCIES, FINAL REPORT, JANUARY 31, 1961.
BY SPITZ, E., DDC NR. 267074
CONTRACT NR. AF 61(052)-387
PROJ/TASK NR. 4600-46009

AFCRL-962
ROYAL SWEDISH ACADEMY OF SCIENCE
THE GREAT EARTH STORM IN NOVEMBER 1960 AS OBSERVED AT KIRUNA GEOPHYSICAL OBSERVATORY, FEBRUARY 7, 1961.
BY DARTNER, J., DDC NR. 261 06
EGELAND, A., CONTRACT NR. AF 61(052)-418
HULTQVIST, B., PROJ/TASK NR. 4608-46008

AFCRL-963
GENERAL ELECTRIC COMPANY
INVESTIGATION FOR THE DEVELOPMENT OF CERAMIC BODIES FOR
BY WISELY, H. R., DDC NR. 261667
CONTRACT NR. AF 19(604)-7410
PROJ/TASK NR. 4619-46190

AFCRL-964
STANFORD UNIVERSITY
OSCILLATIONS AND NOISE IN LOW-PRESSURE DC DISCHARGES, JUNE 1961.
BY CRAWFORD, F. W., DDC NR. 263869
KINO, G. S., CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-965
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
HARMONIC GENERATION IN FERROMAGNETIC ELLIPSOIDS OF
BY BENNETT, C. F., DDC NR. 267019
CONTRACT NR.
PROJ/TASK NR. 5633-56331

AFCRL-966
HUGHES RESEARCH LABORATORIES
STUDY OF MAGNETOHYDRODYNAMIC WAVES, FINAL REPORT JULY 12 1961.
BY CHANG, H. H. C., DDC NR. 262128
CONTRACT NR. AF 19(604)-7372
PROJ/TASK NR. 4649

AFCRL-967
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES, PERIOD COVERING APRIL 1, 1961-JUNE 30, 1961. JUNE 30, 1961.
BY DDC NR. 262250
CONTRACT NR. AF 19(604)-7286
PROJ/TASK NR. 4619-46190

AFCRL-969
FRIEDMAN, INC., MORRIS D.
ON THE QUESTION OF THE MEASUREMENT OF THE ELECTRON IN THE IONOSPHERE AND INTERPLANETARY SPACE. JULY 1961. REPRINTED FROM IZV. VUZ. RAD-FIZ., VOL. 3, NO. 6, 1960. PP. 949-956
BY MITIAKOVA, E E — DDC NR. 262619
MITIAKOV, N A — CONTRACT NR. AF 19(604)-8496
RAPOPORT, V O — PROJ/TASK NR. 4600

AFCRL-969
FRIEDMAN, INC ., MORRIS D.
LUNAR TIDAL FLUCTUATIONS IN THE IONOSPHERE. JULY 1961. REPRINTED FROM RASPROST, RADIOVOLN I IONOSF., TRUDY, NIZHNIAN USSR, NO. 17(27), 1960. PP. 282-286
BY ZAGHLIAFVA, V A — DDC NR. 262620
CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4600

AFCRL-970
FRIEDMAN, INC., MORRIS D.
CORRELATION FUNCTION OF THE AMPLITUDES OF SIGNALS SCATTERED FROM AN ABSOLUTELY ROUGH SCREEN. JULY 1961. REPRINTED FROM RASPROST, RADIOVOLN I IONOSF., TRUDY, NIZHNIAN USSR, NO. 17(27), 1960. PP. 287-291
BY VSEKHSVIATSKAIA, I S — DDC NR. 262621
TSEDILINA, E E — CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4600

AFCRL-971
FRIEDMAN, INC., MORRIS, D.
ANALYSIS OF THE SHAPE OF ATMOSPHERICS. JULY 1961. REPRINTED FROM RASPROST, RADIOVOLN I IONOSF., TRUDY NIZHNIAN USSR, NO. 17(27), 1960. PP. 3-26
BY BORODINA, S V — DDC NR. 262622
CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4600

AFCRL-972
STANFORD UNIVERSITY
ELECTRON BUNCHING IN LONG TRANSIT ANGLE CAVITIES. JULY 1961.
BY TURNER, C W. — DDC NR. 263850
CONTRACT NR. AF 19(604)-1030
PROJ/TASK NR. 4610-46191

AFCRL-973
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
FLUX DISTRIBUTION AND CADMIUM RATIOS OF WATER-MODERATED NEUTRONS PRODUCED BY THE LI7 (P,N) BE 7 REACTION. JULY 1961
BY LOWE, L F — DDC NR. 265467
AUREE, F A — CONTRACT NR.
PROJ/TASK NR. 4600-46085

AFCRL-974
CASE INSTITUTE OF TECHNOLOGY
NOTE ON INPUT SUSCEPTANCE OF A DISK LOADED WAVEGUIDE. JUNE 1, 1961.
BY EGGIMANN, W. H. — DDC NR. 262763
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5639-56351

AFCRL-975
COLORADO, UNIVERSITY OF
A VECTOR FORM OF COMPENSATION THEOREM AND ITS APPLICATION TO BOUNDARY-VALUE PROBLEMS. JUNE 15, 1961.
BY WITTRA, R. — DDC NR.
CONTRACT NR. AF 19(604)-6556
PROJ/TASK NR. 5639-56350

AFCRL-976
BAY STATE ELECTRONICS CORPORATION
FABRICATION OF TRANSISTORIZED AND MINIATURIZED RECEIVERS. JUNE 16, 1961.
BY BRAWLEY, JR., H. E. — DDC NR.
CONTRACT NR. AF 19(604)-5985
PROJ/TASK NR.

AFCRL-977
LOCKHEED CALIFORNIA CO.
(U) SATELLITE PARTICIPATION IN THE EMERGENCY MISSION SUPPORT SYSTEM, AUGUST 19, 1961.
BY WECHSLER, J W — DDC NR. 329367
BARTER, D W — CONTRACT NR. AF 19(604)-8076
DITE, W A — PROJ/TASK NR. 2124-46227
NEIGHBORS, F R
NEUMAN, J R

AFCRL-977
LOCKHEED-CALIFORNIA COMPANY
(U) SECURE COMMUNICATIONS FOR EMERGENCY MISSION SUPPORT SATELLITES, JANUARY 31, 1962. SECRET
BY WECHSLER, J W — DDC NR.
PERRY, C L — CONTRACT NR. AF 19(604)-8076
NEIGHBORS, F R — PROJ/TASK NR. 2124-46227
NEUMAN, J R

AFCRL-978
ROHSON METALS CORPORATION
MATERIALS FOR AND THE MECHANISM OF GETTERING MULTIPLE COMPONENT GASES, JUNE 30, 1961.
BY DOUCETTE, F J — DDC NR. 261732
CONTRACT NR. AF 19(604)-8490
PROJ/TASK NR. 4610-46190

AFCRL-979
GENERAL ELECTRIC COMPANY
(U) HARDENED POINT-TO-POINT COMMUNICATION ANTENNA CONFIGURATIONS, JUNE 1961. SECRET RD
BY WHISTLER, W T — DDC NR.
STAUFFER, J W — CONTRACT NR. AF 19(604)-7469
SCHROEDER, F G — PROJ/TASK NR. 4600-46319
BOOEN, R C
DEE, L M

AFCRL-980
FRIEDMAN, INC., MORRIS D.
ON THE PHASE CENTER OF ANTENNAS. JULY 1961. REPRINTED FROM RADIOTEKH., VOL. 16, NO. 3, 1961. PP. 9-12
BY VOLPERT, A. R. — DDC NR. 262922
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-981
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
A STUDY OF THE NOISE CHARACTERISTICS OF ANTENNAS DUE TO EXTERNAL THERMAL NOISE SOURCES NOVEMBER 1, 1961.
BY DANIELS, M M — DDC NR.
CALDECOTT, R — CONTRACT NR. AF 19(604)-6134
LAWRIE, R — PROJ/TASK NR. 4600-46319
BROWN, D

AFCRL-982
BROWN UNIVERSITY
ON THE IMPLICATIONS OF ELECTRON DIFFUSION THROUGH A HYPERSONIC SHOCK FRONT. MAY 1961.
BY METZEL, L. — DDC NR.
CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5639-56351

AFCRL-986
AVCO CORPORATION
SMALL-SCALE POLAR-CAP ABSORPTION AND RELATED GEOMAGNETIC EFFECT.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 66, NO. 5, MAY 1961
BY BOURKE, G. F. — DDC NR.
CONTRACT NR. AF 19(604)-4092
PROJ/TASK NR. 4609-46035

AFCRL-989
POLYTECHNIC INSTITUTE OF BROOKLYN
CHARACTERISTIC EXPONENTS OF MATHIEU FUNCTIONS JUNE 28, 1961
BY TAMIR, T — DDC NR. 263210
CONTRACT NR. AF 19(604)-7499
PROJ/TASK NR. 4600-46017

AFCRL-986
THIOKOL CHEMICAL CORPORATION
(U) RESEARCH PROGRAM ON IONIZATION IN A ROCKET PLUME, PERIOD COVERING APRIL 14, 1960 TO MAY 1961.
BY NICHOL, J J — DDC NR.
SIMINSKI, V J — CONTRACT NR. AF 19(604)-7286
SOCOLOWSKI, M J — PROJ/TASK NR. 4649

AFCRL-987
FRIEDMAN, INC., MORRIS D.
ON TAKING ACCOUNT OF THE TOPOLOGICAL CHARACTERISTICS OF THE GRATING FACTOR IN DESIGNING FOUR-ELEMENT COPHASAL ANTENNAS WITH REDUCED SIDE EMISSION LEVEL. AUGUST 1961. REPRINTED FROM RADIOTEKH., VOL. 16, NO. 3, 1961. PP. 13-21
BY AFKETOV, V. I. — DDC NR. 262923
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-988
FRIEDMAN, INC., MORRIS D.
CONCENTRATED EXCITATION OF A METAL CYLINDER WITH A DIELECTRIC COATING. AUGUST 1961. REPRINTED FROM IZV. VUZ. RADIOTEKH., VOL. 4, NO. 2, 1961. PP. 140-147
BY BOBROVNIKOV, M. S. — DDC NR. 262924
STAROVOITOVA, R. P. — CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-989
FRIEDMAN, INC., MORRIS D.
ON AN ANALOG OF THE DUHAMEL INTEGRAL FOR SIGNALS WITH BOUNDED SPECTRUM. AUGUST 1961. REPRINTED FROM IZV. VUZ. RADIOTEKH., VOL. 4, NO. 2, 1961. PP. 197-197
BY KAUSHANSKII, M. I. — DDC NR. 262925
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-990
FRIEDMAN, INC., MORRIS D.
GENERAL METHOD OF SEEKING THE OPTIMUM DISTRIBUTION FOR LINEAR ANTENNAS, AUGUST 1961. REPRINTED FROM DOKLADY AN USSR, VOL. 138, NO. 3, 1961. PP. 584-586
BY POKROVSKII, V. L. — DDC NR. 262926
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-991
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE LORENTZ TRANSFORMATIONS VIEWED FROM A NEW ANGLE, AUGUST 1961
BY DEWAN, E M — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5639-56351

AFCRL-992
MONTANA STATE COLLEGE
TRANSIENT BEHAVIOR IN INTERATIVE COMBINATIONAL SWITCHING NETWORKS, JULY 1961.
BY KILMER, W L — DDC NR.
CONTRACT NR. AF 19(604)-6619
PROJ/TASK NR. 5632-56123

AFCRL-993
ITT FEDERAL LABS.
RESEARCH AND DEVELOPMENT FOR GROWTH OF SINGLE CRYSTALS BY THERMAL FUSION UTILIZING RF HEATING MAY 1961.
BY MARINO, JR ., A J — DDC NR. 267127
CONTRACT NR. AF 19(604)-7219
PROJ/TASK NR. 9621-56211

AFCRL-994
WESTINGHOUSE RESEARCH LABORATORIES
ELECTRON SPIN RESONANCE IN SEMICONDUCTING RUTILE, JUNE 1961.
BY CHESTER, P. F. — DDC NR. 262697
CONTRACT NR. AF 19(604)-5589
PROJ/TASK NR. 9621-56211

AFCRL-995
GEOPHYSICS CORPORATION OF AMERICA
ATMOSPHERIC PROCESSES. AUGUST 9. 1961.
BY MAURocci, P — DDC NR. 263690
PAPA. R — CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 9561-06095

AFCRL-996
STANFORD RESEARCH INSTITUTE
INVESTIGATIONS OF ELECTRON DEVICE MATERIALS TECHNOLOGY
STUDIES OF BRAZING AND METALJOINING PROBLEMS. JULY 1961.
BY FEINSTEIN, L — DDC NR. 264650
CONTRACT NR. AF 19(604)-7323
PROJ/TASK NR. 4619-06100

AFCRL-997
GENERAL ELECTRIC COMPANY
SATELLITE TRACKING BY RADIO. AUGUST 1961.
BY ANDERSON, R. F. — DDC NR.
CONTRACT NR. AF 19(604)-6087
PROJ/TASK NR. 1770-17701

AFCRL-998
TRANSISTOR APPLICATIONS, INC.
RESEARCH DIRECTED TOWARD ANALYSIS AND DESIGN OF TRANSISTOR CIRCUITS. JULY 1961.
BY CARLSON, W. W. — DDC NR.
CONTRACT NR. AF 19(604)-6089
PROJ/TASK NR. 4610-06105

AFCRL-999
PARKE MATHEMATICAL LABS., INC.
INESSENTIAL CONTACTS IN MINIMAL RELAY NETWORKS. JULY 1961.
BY CALABI, L — DDC NR. 263946
RILEY, J A — CONTRACT NR. AF 19(604)-7403
PROJ/TASK NR. 5632-56323

AFCRL-600
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A STUDY OF SCARAMENTO PEAK FLARES. I DISTRIBUTION. AREAS AND GROWTH CURVES. APRIL 1961
BY SMITH, H J — DDC NR. 267020
CONTRACT NR.
PROJ/TASK NR. 7640-76490

AFCRL-601
CHICAGO, UNIVERSITY OF
INTERPLANETARY GAS. III. A HYDRODYNAMIC MODEL OF THE CORONA. 1961
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 133, NO. 2, 1961
BY CHAMBERLAIN, J. W. — DDC NR. 260971
CONTRACT NR. AF 19(604)-5044
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AFCRL-602
CHICAGO, UNIVERSITY OF
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BY BRANDT, J. C. — DDC NR. 260970
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AFCRL-603
CHICAGO, UNIVERSITY OF
THE RELATIONSHIP BETWEEN UNIQUE GEOMAGNETIC AND AURORAL EVENTS. 1961.
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BY WALLACE, L. — DDC NR. 260967
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AFCRL-607
HARVARD UNIVERSITY
SUPPRESSION OF REFLECTION FROM METALLIC SURFACES. DECEMBER 12, 1960.
BY WEINBERGER, H — DDC NR.
CONTRACT NR. AF 61(052)-279
PROJ/TASK NR. 6692

AFCRL-612
CHICAGO, UNIVERSITY OF
A CONTRIBUTION TO THE CLIMATOLOGY OF THE ARCTIC STRATOSPHERE, FEBRUARY 1961.
BY MCCLAIN, E. P — DDC NR. 259637
CONTRACT NR. AF 19(604)-7230
PROJ/TASK NR. 8641-86410

AFCRL-613
ALLIED RESEARCH ASSOCIATES, INC.
TIROS METEOROLOGY, MARCH 31, 1961.
BY GALSER, A.H. — DDC NR. 257965
CONTRACT NR. AF 19(604)-5581
PROJ/TASK NR. 6082

AFCRL-614
DUBLIN INSTITUTE FOR ADVANCED STUDIES
SUMMARY REPORT, AUGUST 31, 1960.
BY POLLAK, L W — DDC NR. 257090
CONTRACT NR. AF 61(052)-76
PROJ/TASK NR. 7690-76903

AFCRL-615
LIEGE, UNIVERSITY OF
DENSITY OF C2 MOLECULES IN THE HEAD OF COMET MRKOS 1955E. MARCH 10, 1961.
BY MOUZIAUX, L — DDC NR. 260916
CONTRACT NR. AF 61(052)-26
PROJ/TASK NR. 8604

AFCRL-616
JOHNS HOPKINS UNIVERSITY
RESEARCH IN GEOPHYSICAL FLUID DYNAMICS. FINAL REPORT. VOLUME I. MAY 1961.
BY BERTON, G S. — DDC NR. 258085
CONTRACT NR. AF 19(604)-2056
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AFCRL-617
TEXAS, A & M COLLEGE OF
A NUMERICAL EXPERIMENT ON MESOSCALE MOIST CONVECTION DECEMBER 1960.
BY IWAN, R L — DDC NR.
CONTRACT NR. AF 19(604)-6136
PROJ/TASK NR. 8622

AFCRL-619
BALL BROTHERS RESEARCH CORPORATION
DESIGN MODIFICATIONS AND PERFORMANCE CHARACTERISTICS OF MODELS 4 AND 5 RADIOMETERS JULY 29, 1960.
BY JOHNSON, D S — DDC NR.
HERSHEY, R L — CONTRACT NR. AF 19(604)-6121
PROJ/TASK NR. 8645

AFCRL-621
ILLINOIS, UNIVERSITY OF
POLARIZATION OF CHARACTERISTIC WAVES IN A MAGNETO-IONIC MEDIUM, MARCH 19, 1961.
BY DESCHAMPS, G. A. — DDC NR.
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 8659-865309

AFCRL-622
BOSTON UNIVERSITY
THE REACTIONS OF NITROGEN ATOMS WITH ORGANIC COMPOUNDS APRIL 7, 1961.
BY LICHTIN, N. N. — DDC NR. 260161
CONTRACT NR. AF 19(604)-5699
PROJ/TASK NR. 7699

AFCRL-623
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
CORRECTION TABLES FOR COMPUTING CORRECTIONS TO THE NORMAL GRAVITY, DETERMINED FROM THE INTERNATIONAL GRAVITY FORMULA, CAUSED BY CHANGES IN A, AND E, JUNE 1961.
BY MUELLER, I — DDC NR. 261683
CONTRACT NR. AF 19(604)-6201
PROJ/TASK NR. 7600-76002

AFCRL-624
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
UPWARD CONTINUATION OF GRAVITY VALUES BASED ON THE CYLINDRICAL COORDINATE SYSTEM JUNE 1961.
BY TSUBOI, C — DDC NR. 260906
CONTRACT NR. AF 19(604)-6201
PROJ/TASK NR. 7600-76002

AFCRL-625
HARVARD UNIVERSITY
THE DEVELOPMENT AND OPERATION OF A DYNAMIC SPECTRUM ANALYZER, APRIL 1961.
BY MAXWELL A. — DDC NR. 260762
BELL, B. — CONTRACT NR. AF 19(604)-1194
PROJ/TASK NR. 7669

AFCRL-626
PHYSICAL METEOROLOGICAL OBSERVATORY, DAVOS, SWITZERLAND
INVESTIGATION ON THE SPECTRAL INTENSITY OF ULTRAVIOLET SKY AND SUNLIGHT RADIATION (BETWEEN 297.9 MM AND 370 MM) UNDER DIFFERENT CONDITIONS OF CLOUDLESS WEATHER AT 1590 M A S. L., DECEMBER 1960.
BY ARNER, P — DDC NR. 261662
CONTRACT NR. AF 61(052)-56
PROJ/TASK NR.

AFCRL-628
SASKATCHEWAN, UNIVERSITY OF
A 600 - CHANNEL MEMORY UNIT FOR IMPROVING SIGNAL-TO-NOISE RATIOS, MAY 1961.
BY KADANOFF, A L — DDC NR.
HUNTER, D M — CONTRACT NR. AF 19(604)-7269
PROJ/TASK NR. 7661-76612

AFCRL-629
SASKATCHEWAN, UNIVERSITY OF
A BALLOON-BORNE SPECTROMETER FOR STUDY OF THE AIRGLOW REGION 2.0 MU
REPRINTED FROM CAN. J. PHYS. VOL. 39, 1961
BY ROBOM, J F — DDC NR.
JONES, A V — CONTRACT NR. AF 19(604)-7269
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AFCRL-630
SASKATCHEWAN, UNIVERSITY OF
OBSERVATION OF THE (B1 G-A1 G) TRANSITION IN O2
REPRINTED FROM CAN. J. PHYS. VOL. 39, 1961
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AFCRL-631
STANFORD RESEARCH INSTITUTE
DESIGN AND CONSTRUCTION OF APPARATUS FOR ELECTRON SCATTERING MEASUREMENTS, JUNE 22, 1961.
BY LORENTS D. C. — DDC NR. 259969
COOK, C. J. — CONTRACT NR. AF 19(604)-5475
PROJ/TASK NR. 7661

AFCRL-632
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CEDAR HILL METEOROLOGICAL RESEARCH FACILITY, JUNE 1961
BY STEVENS, D W — DDC NR. 259067 — CONTRACT NR. — PROJ/TASK NR. 7609-76951

AFCRL-633
LITTLE, INC., ARTHUR D.
DEVELOPMENT OF AN EXPLOSIVE SYSTEM FOR ACCELERATING A METAL PELLET, OCTOBER 1, 1960.
BY SYKES, W. G. — DDC NR. 2../932 — CONTRACT NR. AF 19(604)-5760 — PROJ/TASK NR. 7667

AFCRL-634
CHICAGO, UNIVERSITY OF
A QUASI-LINEAR MODEL OF PLASMA SHOCK STRUCTURE IN A LONGITUDINAL MAGNETIC FIELD
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AFCRL-635
BROWN UNIVERSITY
STABILITY OF VISCOUS FLOW BETWEEN ROTATING CYLINDERS IN THE PRESENCE OF A STRONG AXIAL MAGNETIC FIELD JUNE 1961
BY REID, W H — DDC NR. 259176 — CONTRACT NR. AF 19(604)-7236 — PROJ/TASK NR. 8600

AFCRL-636
BROWN UNIVERSITY
ON THE MOTION OF A CHARGED PARTICLE IN A TIME-DEPENDENT MAGNETIC FIELD, JUNE 1961.
BY LEE, E T Y — DDC NR. — CONTRACT NR. AF 19(604)-7236
REID, W H — PROJ/TASK NR. 8600

AFCRL-637
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ANNUAL REPORT 1960.
BY — DDC NR. 261933 — CONTRACT NR. — PROJ/TASK NR.

AFCRL-638
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
HOURLY RAWINSONDES FOR A WEEK, JULY 1961
BY COURT, A — DDC NR. — CONTRACT NR.
SALMELA, H A — PROJ/TASK NR. 8624-86240

AFCRL-639
DENMARK, TECHNICAL UNIVERSITY OF
INVESTIGATION OF NATURAL ATMOSPHERIC AUDIO-FREQUENCY ELECTROMAGNETIC SIGNALS (WHISTLER AND CHORUS PHENOMENA) FROM OBSERVING STATIONS AT SALTHOLM, DENMARK, AND GODHAVN, GREENLAND, MARCH 1, 1960 THROUGH FEBRUARY 28, 1961
BY RYBNER, J — DDC NR. 260166 — CONTRACT NR. AF 61(052)-298 — PROJ/TASK NR. 7669

AFCRL-640
COLORADO, UNIVERSITY OF
THE BALMER PASCHEN RATION IN THE CHROMOSPHERE AND THE EQUILIBRIUM POPULATIONS OF HYDROGEN ANGULAR-MOMENTUM STATES, JUNE 29, 1961.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 133, NO. 2, MARCH 1961
BY MOUSE, L L. — DDC NR. 260340 — CONTRACT NR. AF 19(604)-2140
ATMAY R. G — PROJ/TASK NR. 7669
ZIRIN, H.

AFCRL-641
COLORADO, UNIVERSITY OF
REGULAR MOTIONS IN THE IONOSPHERE ELECTRIC AND MAGNETIC RELATIONSHIPS, JUNE 29, 1961.
REPRINTED FROM BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, VOL. 42, NO. 2, FEBRUARY 1961, PP. 85-100
BY CHAPMAN, S. — DDC NR. 259929 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7669

AFCRL-642
COLORADO, UNIVERSITY OF
SOURCES OF SOLAR ULTRAVIOLET RADIATION, JUNE 29, 1961.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOLUME 66, NO. 2, FEBRUARY 1961
BY ATMAY, R. G — DDC NR. 260339 — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7669

AFCRL-643
QUEEN-S UNIVERSITY BELFAST
HYDROGEN ATOMS AND IONS IN THE THERMOSPHERE AND IONOSPHERE
BY BATES, D R — DDC NR. 271750 — CONTRACT NR. AF 61(052)-131
PATTERSON, T N L — PROJ/TASK NR. 7699

AFCRL-644
QUEEN-S UNIVERSITY, BELFAST
COLLISIONS INVOLVING THE CROSSING OF POTENTIAL ENERGY CURVES
REPRINTED FROM PROCEEDINGS OF THE ROYAL SOCIETY, A, VOL. 247, PP. 27-31, 1960
BY BATES, D R — DDC NR. — CONTRACT NR. AF 61(052)-131 — PROJ/TASK NR. 7699

AFCRL-645
QUEEN-S UNIVERSITY, BELFAST
THE 1S-2S EXCITATION OF HYDROGEN ATOMS BY ELECTRON IMPACT
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BY KINGSTON, A E — DDC NR. — CONTRACT NR. AF 61(052)-131
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SKINNER, H G

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NEW YORK UNIVERSITY
BOUNDS ON ELEMENTS OF THE S MATRIX FOR ELASTIC SCATTERING ONE DIMENSIONAL SCATTERING JUNE 1961
BY BARTRAM, R. — DDC NR. 264739 — CONTRACT NR. AF 19(604)-8559
SPRUCH, L. — PROJ/TASK NR. 7639

AFCRL-648
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MONTE CARLO APPLICATION TO MOLECULAR FLOWS MAY 1961.
BY HAVILAND, J. K. — DDC NR. 259672 — CONTRACT NR. AF 19(604)-5608 — PROJ/TASK NR. 7679

AFCRL-650
MANCHESTER, UNIVERSITY OF
RESEARCH ON LUNAR PHOTOMETRIC AND TOPOGRAPHIC ANALYSIS, OCTOBER 1960.
BY KOPAL, Z — DDC NR. 260126 — CONTRACT NR. AF 61(052)-168 — PROJ/TASK NR. 7621

AFCRL-651
FLORIDA STATE UNIVERSITY
THE STRATOSPHERIC WARMING OVER NORTH AMERICA IN 1957, II. HEIGHT, TEMPERATURE, VORTICITY, AND VERTICAL MOTION AT THE 50-MB SURFACE, JULY 1, 1961.
BY CRAIG, R. A. — DDC NR. 259735 — CONTRACT NR. AF 19(604)-5471
LATEEF, M. A. — PROJ/TASK NR. 8628-86653
MITCHEM, R. A.

AFCRL-652
ARCTIC INSTITUTE OF NORTH AMERICA
SOME BIOLOGICAL OCEANOGRAPHIC OBSERVATIONS IN THE CENTRAL NORTH POLAR SEA DRIFT STATION ALPHA 1957-1958, APRIL 1961.
BY ENGLISH, T. S. — DDC NR. 258895 — CONTRACT NR. AF 19(604)-3073 — PROJ/TASK NR. 7629

AFCRL-653
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) MISSILE-BORNE RADIOMETER MEASUREMENTS OF THE THERMAL EMISSION CHARACTERISTICS OF ICBM PLUMES, JULY 1961. SECRET
BY HUNTER, R. F. — DDC NR. 326444 — CONTRACT NR.
MARCOTTE, L. P. — PROJ/TASK NR. 6906-69065

AFCRL-654
STANFORD RESEARCH INSTITUTE
HIGH ALTITUDE WEATHER HAZARDS TO FLIGHT FINAL REPORT, JULY 1961.
BY NAGLE, R F — DDC NR. — CONTRACT NR. AF 19(604)-7397 — PROJ/TASK NR. 6331

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MICHIGAN, UNIVERSITY OF
(U) SECOND ANNUAL REPORT OF BALLISTIC MISSILE RADIATION ANALYSIS CENTER, 1 JULY 1960 - 30 JUNE 1961, JULY 1961. SECRET
BY ZISSIS, G J — DDC NR. 326911 — CONTRACT NR. AF 19(604)-7380 — PROJ/TASK NR. 6906

AFCRL-656
INSTITUT D-ASTROPHYSIQUE, COINTE-SCLESSIN (BELGIUM)
FAR ULTRAVIOLET SPECTRA OF ASTRONOMICAL BODIES
REVOLUTION JULY 1961.
PROCEEDINGS OF THE TENTH INTERNATIONAL ASTROPHYSICAL SYMPOSIUM, LIEGE, JULY 11-16, 1960
BY — DDC NR. — CONTRACT NR. AF 61(052)-396 — PROJ/TASK NR. 7601

AFCRL-657
OSLO, UNIVERSITY OF
I. FREQUENCY DRIFT AND FINE STRUCTURE OF 200-MC/S SOLAR BURSTS, II. OBSERVATIONS OF THE FINE STRUCTURE OF ENHANCED SOLAR RADIO RADIATION WITH A NARROW-BAND SPECTRUM ANALYSER 1960.
BY ELGAROY, O — DDC NR. 260160 — CONTRACT NR. AF 61(052)-186 — PROJ/TASK NR. 7609

AFCRL-658
OSLO, UNIVERSITY OF
VARIATIONS IN THE SOLAR BASE LEVEL RADIATION ON 200 MC/S, 1960.
BY HAUGE, O — DDC NR. 260161 — CONTRACT NR. AF 61(052)-186 — PROJ/TASK NR. 7609

AFCRL-659
UPPSALA, UNIVERSITY OF
ON THE PRESSURE DEPENDENCE OF THE COSMIC RAY INTENSITY RECORDED BY THE STANDARD NEUTRON MONITOR, APRIL 7, 1961.
BY LINDGREN, S — DDC NR. 260198 — CONTRACT NR. AF 61(514)-1312 — PROJ/TASK NR. 8610

AFCRL-660
NEW YORK UNIVERSITY
WIND VARIABILITY IN THE MESOSPHERE AS DETERMINED BY THE TRACKING OF FALLING OBJECTS AN EVALUATION AND PRELIMINARY RESULTS, MAY 1961.
BY MORGAN, JR., G M — DDC NR. 261713 — CONTRACT NR. AF 19(604)-8139
BRUCH, A — PROJ/TASK NR. 8624

AFCRL-661
UPPSALA UNIVERSITY OF
FORBUSH DECREASES, SEPTEMBER 1, 1956 TO DECEMBER 31, 1958.
BY SANDSTROM, A E — DDC NR. 260196 — CONTRACT NR. AF 61(514)-1312 — PROJ/TASK NR. 8600

AFCRL-662
COLUMBIA UNIVERSITY
ELASTIC WAVE PROPAGATION PERIOD COVERING JULY 16, 1958 TO FEBRUARY 28, 1961. MAY 29, 1961.
BY — DDC NR. — CONTRACT NR. AF 19(604)-6164 — PROJ/TASK NR. 7639

AFCRL-663
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
NEW VACUUM ULTRAVIOLET EMISSION CONTINUA IN THE RARE GASES
BY HUFFMAN, R E; MURT, W W; TANAKA, Y; NOVACK, R L — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7699-76967

AFCRL-665
CHICAGO, UNIVERSITY OF
THE OH NIGHTGLOW EMISSION.
REPR. FR. J. OF THE ATMOSPHERIC SCIENCES, V. 19, #1, PP. 1-16 JANUARY 1962
BY WALLACE, L. — DDC NR. — CONTRACT NR. AF 19(604)-3044 — PROJ/TASK NR. 7661

AFCRL-666
CHICAGO, UNIVERSITY OF
WAVELENGTHS OF THE MEINEL OH BANDS, JUNE 12, 1961.
BY OSTRIKER, J. P. — DDC NR. 260961 — CONTRACT NR. AF 19(604)-3044 — PROJ/TASK NR. 7661

AFCRL-667
OBSERVATOIRE DE PARIS-MEUDON, FRANCE
CALCULATION OF THE STARK EFFECT AND THE DIPOLE MOMENTS OF THE HYDROGEN ATOM USING THE PERTURBATION THEORY. (1960)
BY BANERJEA, F M; HERMAN, L — DDC NR. — CONTRACT NR. AF 61(052)-17 — PROJ/TASK NR. 7661-76614

AFCRL-668
OSLO, UNIVERSITY OF
SOME CHARACTERISTICS OF THE D-REGION IONIZATION DURING AURORAL ACTIVITY, 1960.
BY STOFFREGEN W; DERBLOM, H; OMHOLT, A — DDC NR. — CONTRACT NR. AF 61(052)-292 — PROJ/TASK NR. 7661

AFCRL-669
OSLO, UNIVERSITY OF
IONIZATION BY AURORAL PARTICLES, 1960.
BY OMHOLT, A — DDC NR. — CONTRACT NR. AF 61(514)-1129 — PROJ/TASK NR. 7661

AFCRL-670
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RULING OF LARGE DIFFRACTION GRATINGS UNDER INTERFEROMETRIC CONTROL, JUNE 30, 1961.
BY HARRISON, G R. — DDC NR. 260183 — CONTRACT NR. AF 19(604)-1965 — PROJ/TASK NR. 7649

AFCRL-672
DANISH METEOROLOGICAL INSTITUTE
CONTRACT FOR ARCTIC GEOMAGNETIC RESEARCH, APRIL 29, 1961.
BY OLSEN, J — DDC NR. — CONTRACT NR. AF 61(514)-1310 — PROJ/TASK NR. 7601

AFCRL-673
UPPSALA UNIVERSITY OF
STATISTICAL STUDIES OF THE PERFORMANCE OF COSMIC RAY RECORDING INSTRUMENTS, APRIL 5, 1961.
BY DYRING, F — DDC NR. 260197 — CONTRACT NR. AF 61(514)-1312 — PROJ/TASK NR. 8600

AFCRL-674
MICHIGAN UNIVERSITY OF
APPROXIMATE METHODS FOR CALCULATING THE STRUCTURE OF JETS FROM HIGHLY UNDEREXPANDED NOZZLES, JUNE 1961.
BY ADAMSON, JR., T C — DDC NR. — CONTRACT NR. AF 19(604)-7350 — PROJ/TASK NR. 6904

AFCRL-677
WEIZMANN INSTITUTE OF SCIENCE
PROPAGATION OF SOUND IN A RAREFIED GAS, JANUARY 15, 1961.
OFF-PRINT FROM SYMPOSIUM, PROVISIONAL INTERNATIONAL COMPUTATION CENTRE, 1960
BY PFEFFERIS, C L; ALTERMAN, Z; FINKELSTEIN, L — DDC NR. 260199 — CONTRACT NR. AF 61(052)-127 — PROJ/TASK NR.

AFCRL-678
SHEFFIELD, UNIVERSITY OF
THE TRIPLET STATE JANUARY 1961.
BY PORTER, G — DDC NR. 260179 — CONTRACT NR. AF 61(052)-32 — PROJ/TASK NR. 6696

AFCRL-679
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
A STUDY OF THE TOTAL ABSORPTION NEAR 4.7 MU BY TWO SAMPLES OF CO2 AS THEIR TOTAL PRESSURES AND CO2 CONCENTRATIONS WERE INDEPENDENTLY VARIED. JUNE 1961.
BY GRYVNAK, D A; WILLIAMS, D — DDC NR. 261264 — CONTRACT NR. AF 19(604)-8181 — PROJ/TASK NR. 7670-76709

AFCRL-680
GEOPHYSICS CORPORATION OF AMERICA
(U) RESEARCH DIRECTED TOWARD A THEORETICAL STUDY OF PHYSICAL PROCESSES ASSOCIATED WITH CHEMICAL RELEASES IN THE UPPER ATMOSPHERE, APPLICATION TO SIMULATE NUCLEAR WEAPONS EFFECT FINAL REPORT NO. 2, JULY 1, 1961. SECRET RD
BY — DDC NR. — CONTRACT NR. AF 19(604)-7269 — PROJ/TASK NR. 7671

AFCRL-681
MICHIGAN, UNIVERSITY OF
STARK EFFECTS IN THE NEAR INFRARED SPECTRA OF SIMPLE POLYATOMIC MOLECULES MAY 1961.
BY BAKER, P D — DDC NR. — CONTRACT NR. AF 19(604)-8129 — PROJ/TASK NR. 8603

AFCRL-682
ARIZONA, UNIVERSITY OF
LUNAR STUDIES RESEARCH JUNE 21, 1961.
BY KUIPER, G P — DDC NR. — CONTRACT NR. AF 19(604)-7260 — PROJ/TASK NR. 8642

AFCRL-684
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
BIBLIOGRAPHY OF LUNAR AND PLANETARY RESEARCH - 1960 (WITH ANNOTATIONS). JULY 1961.
BY SALISBURY, J W; SALISBURY, L. T. — DDC NR. 265171 — CONTRACT NR. — PROJ/TASK NR. 7698

AFCRL-685
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
FLIGHT INFORMATION AND EXPERIMENTAL RESULTS OF INFLATABLE FALLING SPHERE SYSTEM FOR MEASURING UPPER-AIR DENSITY AUGUST 1961.
BY FAUCHER, R A; PROCUNIER, R W; STARK, C R — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 6698-66900

AFCRL-686
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EVALUATION OF CONTROL MONITOR AN/GSA-11 PROTOTYPE AUGUST 1961
BY MERCHEL, R S — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 6650-66503

AFCRL-687
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ON THE MAGNETICALLY DRIVEN T-TYPE SHOCK TUBE OF RECTANGULAR GEOMETRY, JUNE 1961.
BY COOPER, L. Y. — DDC NR. 261004 — CONTRACT NR. AF 19(604)-6551 — PROJ/TASK NR. 8608

AFCRL-688
HARVARD UNIVERSITY
SPECTRAL OBSERVATIONS OF SOLAR RADIO BURSTS, I, RECEIVING EQUIPMENT, AUGUST 1961.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 133, NO. 2, MARCH 1961
BY THOMPSON, A R — DDC NR. 261766 — CONTRACT NR. AF 19(604)-8180 — PROJ/TASK NR. 7649-76492

AFCRL-689
CALIFORNIA UNIVERSITY OF
NON-GEOSTROPHIC THEORY OF ATMOSPHERIC WAVES, APRIL 1961.
BY HOLMBOE, J. — DDC NR. — CONTRACT NR. AF 19(604)-3064 — PROJ/TASK NR. 7611 — PROJ/TASK NR. 8626

AFCRL-690
CALIFORNIA, UNIVERSITY OF
NUMERICAL STUDIES OF PLANETARY CIRCULATIONS, JUNE 30, 1961.
BY MINTZ, Y. — DDC NR. 261158 — CONTRACT NR. AF 19(604)-6961 — PROJ/TASK NR. 8624

AFCRL-691
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) INFRARED STUDIES OF ICBM PLUMES USING MILLILE-BORNE SPECTROMETERS, SEPTEMBER 1961. SECRET
BY HUNTER, R. E.; MARCOTTE, L. P. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 6676-66612

AFCRL-693
HARVARD UNIVERSITY
MAJOR FLARES AND GEOMAGNETIC ACTIVITY AUG 1961
ASTROPHYSICS, VOL. 5, NO. 7
BY BELL, B. — DDC NR. 261355 — CONTRACT NR. AF 19(604)-6962 — PROJ/TASK NR. 7649

AFCRL-694
CHICAGO, UNIVERSITY OF
PRECIPITATION IN THE 1960 FLAGSTAFF MESOMETEOROLOGICAL NETWORK, JULY 1961.
BY STYBER, R A — DDC NR. 261156 — CONTRACT NR. AF 19(604)-7259 — PROJ/TASK NR. 8620

AFCRL-695
DUBLIN INSTITUTE FOR ADVANCED STUDIES
THE INFLUENCE OF PRESSURE AND TEMPERATURE ON THE COUNTING OF CONDENSATION NUCLEI, PART I INFLUENCE OF PRESSURE
REPRINTED FROM THE REVIEW GEOFISICA PURA E APPLICATA-MILANO VOL. 47, 1960/III, PP. 123-141
BY POLLAK, L W; METNIEKS, A L — DDC NR. — CONTRACT NR. AF 61(052)-26 — PROJ/TASK NR. 7690-76903

AFCRL-696
MICHIGAN COLLEGE OF MINING AND TECHNOLOGY
ANALYSIS OF DIFFRACTION PATTERNS ON THE GROUND CAUSED BY IONOSPHERIC IRREGULARITIES, JUNE 1961.
BY YERG, D. G. — DDC NR. 261344 — CONTRACT NR. AF 19(604)-3867 — PROJ/TASK NR. 7601

AFCRL-697
HAWAII, UNIVERSITY OF
OPTICAL ASTRONOMICAL SEEING A REVIEW. MAY 1961.
BY WINDUSH, W. H. DDC NR. 269402
CONTRACT NR. AF 19(604)-2292
PROJ/TASK NR. 7600

AFCRL-698
STANFORD RESEARCH INSTITUTE
AN INVESTIGATION TO ESTABLISH THE TRUE NATURE OF CLOUD COVER. JUNE 1961.
BY SEREBRENY, S M DDC NR. 262969
BLACKMER, JR., R H CONTRACT NR. AF 19(604)-7312
PROJ/TASK NR. 8624

AFCRL-699
MCGILL UNIVERSITY
IMPROVEMENTS IN WEATHER-RADAR GREY SCALE. JULY 1961.
BY RAMATH, P Y DDC NR. 262594
CONTRACT NR. AF 19(604)-6617
PROJ/TASK NR. 8672

AFCRL-700
AVCO-EVERETT RESEARCH LAB.
A SURVEY OF SHOCK TUBE RESEARCH RELATED TO THE AEROPHYSICS PROBLEM OF HYPERSONIC FLIGHT JULY 1961.
BY LIN, S C DDC NR.
CONTRACT NR. AF 19(604)-7458
PROJ/TASK NR. 5561-05500

AFCRL-701
STANFORD RESEARCH INSTITUTE
(U) FLARE INVESTIGATIONS. JULY 28, 1961. SECRET
BY GORDON, D A DDC NR. 329669
CONTRACT NR. AF 19(604)-7339
PROJ/TASK NR. 4691-06911

AFCRL-702
RADIO CORPORATION OF AMERICA
MORE ABOUT THRESHOLD LOGIC. JULY 14, 1961.
BY WINDER, R O DDC NR.
CONTRACT NR. AF 19(604)-8423
PROJ/TASK NR. 5632-56321

AFCRL-703
CHALMERS UNIVERSITY OF TECHNOLOGY
ON THE COUPLING BETWEEN WAVES IN INHOMOGENEOUS SYSTEMS (1961)
BY RYDBECK, O E H DDC NR. 269804
CONTRACT NR. AF 61(052)-159
PROJ/TASK NR. 4618

AFCRL-704
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE FORMALIZATION OF THE FOUNDATIONS OF GEOMETRY WITHIN THE SYSTEM OF SYMBOLIC LOGIC R. SEPTEMBER 1961.
BY RESNIK, M D DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56929

AFCRL-705
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A YEAR-S STUDY OF THE INDEX OF IONOSPHERIC STORMINESS REPRINTED FROM PROCEEDINGS OF THE I.R.E. FIFTH MILECON. NATIONAL CONVENTION ON MILITARY ELECTRONICS. WASHINGTON, D.C., 26-28 JUNE 1961
BY MARSH, H S DDC NR.
CORRIER, R J CONTRACT NR.
SWIRBALUS, R A PROJ/TASK NR. 5631-56913
CAMERON, W M
MURPHY, R S

AFCRL-706
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PRIMARY PATTERN MEASURE OF A LINE SOURCE FEED FOR A SPHERICAL REFLECTOR. AUGUST 1961.
BY ALTSHULER, E E DDC NR. 267016
CONTRACT NR.
PROJ/TASK NR. 4600-46015

AFCRL-707
FRIEDMAN, INC., MORRIS D.
PLANE WAVE INCIDENCE ON A SELECTIVE REFLECTING SURFACE. AUGUST 1961.
REPRINTED FROM ELEKTROSVIAZ, VOL. 15, NO. 5, 1961, PP. 8-17
BY TALYZIN, N. V. DDC NR. 262427
CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-708
FRIEDMAN, INC., MORRIS D.
ON THE QUESTION OF THE LIMITS OF APPLICABILITY OF THE SMOOTH PERTURBATIONS METHOD IN THE PROBLEM OF RADIATION PROPAGATION THROUGH A MEDIUM WITH INHOMOGENEITIES. AUGUST 1961.
REPRINTED FROM IZV. VUZ. RAD-FIZ., VOL. 4, NO. 2, 1961, PP. 370-377
BY PISAREVA, V V DDC NR. 262429
CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4649

AFCRL-709
FRIEDMAN, INC., MORRIS D.
PHASE AND AMPLITUDE FLUCTUATIONS DURING VERY DISTANT ELECTROMAGNETIC WAVE PROPAGATION OVER THE EARTH-S SURFACE AUGUST 1961
REPRINTED FROM IZV. VUZ. RAD-FIZ. VOL. 4, NO. 2, 1961. PP. 377-379
BY BASS, F G DDC NR. 262424
KANER, E A CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4649

AFCRL-710
FRIEDMAN, INC., MORRIS D.
APPLICATION OF CONFORMAL MAPPING TO THE SIMPLEST PROBLEMS OF WAVE PROPAGATION IN INHOMOGENEOUS MEDIA. AUGUST 1961.
REPRINTED FROM ZH. VYCHISL. MATE. MATE. FIZ., VOL. 1, NO. 2 1961, PP. 246-254
BY IVANOV, V I DDC NR. 262425
CONTRACT NR. AF 19(604)-8496
PROJ/TASK NR. 4649

AFCRL-711
WASHINGTON, UNIVERSITY OF
FREQUENCY SCANNING ANTENNAS. APRIL 1961.
BY ISHIMARU, A. DDC NR. 269221
TUAN, H. S. CONTRACT NR. AF 19(604)-6098
PROJ/TASK NR. 5635-56350

AFCRL-712
WESTINGHOUSE RESEARCH LABORATORIES
LOCALIZED MODES AND SPIN-LATTICE INTERACTIONS. SEPTEMBER 22, 1961.
BY KLEMENS, P. G. DDC NR.
CONTRACT NR. AF 19(604)-5589
PROJ/TASK NR. 5621-56711

AFCRL-713
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
COMPREHENSIVE REPORT ON PREDICTIVE SYNTACTIC ANALYSIS. SEPTEMBER 1961.
BY SHERRY, M E DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56929

AFCRL-714
SOUTHERN UNIVERSITY OF
RADIATION FROM A PLASMA-CLAD AXIALLY-SLOTTED CYLINDER. MAY 1962.
BY RUSCH, W V T DDC NR.
CONTRACT NR. AF 19(604)-8195
PROJ/TASK NR. 4642-464202

AFCRL-715
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
MEMORANDUM ON THE AVERAGE RADAR ECHO AREA OF ORBITING SATELLITES. JUNE 23, 1961.
BY POTTS, R DDC NR. 264033
CONTRACT NR. AF 19(604)-7270
PROJ/TASK NR. 4649-46490

AFCRL-716
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
STEP-BY-STEP DECODING IN GROUPS WITH A WEIGHT FUNCTION (PART I) AUGUST 1961.
BY PRANGE, E DDC NR. 268092
CONTRACT NR.
PROJ/TASK NR. 5632-56929

AFCRL-717
HUGHES AIRCRAFT COMPANY
RADAR SYSTEM APPLICATION OF SIMULTANEOUS SCAN ANTENNAS. JULY 1961.
BY VOOOPIA, S N DDC NR. 326665
CONTRACT NR. AF 19(604)-8008
PROJ/TASK NR. 4600-46019

AFCRL-718
WASHINGTON, UNIVERSITY OF
PROPAGATION IN BOUNDED ANISOTROPIC MEDIA.
BY BOS, L. J. V. DDC NR. 268777
WELD, G. CONTRACT NR. AF 19(604)-8098
ISHIMARU, A. PROJ/TASK NR. 5635-56350
REYNOLDS, D.

AFCRL-719
PARKE MATHEMATICAL LABS., INC.
AN EXISTENCE PROOF FOR FREE BOOLEAN RINGS. AUGUST 1961.
BY RILEY, J A DDC NR. 267673
CONTRACT NR. AF 19(604)-7493
PROJ/TASK NR. 5632-56929

AFCRL-720
PLESSEY ASSOCIATES, INC.
(U) QUALITATIVE CONSIDERATIONS CONCERNING THE HIGH ALTITUDE EXHAUST PLUME AND ITS INTERACTION WITH THE IONOSPHERE. JUNE 22, 1961. SECRET
BY REIFMAN, A DDC NR. 325358
CONTRACT NR. AF 19(604)-6187
PROJ/TASK NR. 4618-46181

AFCRL-721
RADIO CORPORATION OF AMERICA
INVESTIGATION OF CARRIER INJECTION ELECTROLUMINESCENCE AUGUST 19, 1961
BY PIKHTA, A G DDC NR. 264699
MASON, A S CONTRACT NR. AF 19(604)-8018
PROJ/TASK NR. 4608-46088

AFCRL-722
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE SACKFIRE ANTENNA, A NEW TYPE OF DIRECTIONAL LINE SOURCE AUGUST 1961.
BY EMERENSPECK, H W DDC NR. 267019
CONTRACT NR.
PROJ/TASK NR. 4600-46015

AFCRL-723
PARKE MATHEMATICAL LABS., INC.
A STUDY OF THE SUM AND THE PRODUCT OF TWO CODES. AUGUST 1961.
BY CALABI, L DDC NR.
DARST, R CONTRACT NR. AF 19(604)-7493
PROJ/TASK NR. 5632-56929

AFCRL-724
ROYAL SWEDISH ACADEMY OF SCIENCE
THE INFLUENCE OF SOLAR DISTURBANCES ON VERY LOW FREQUENCY RADIO WAVE PROPAGATION OVER A LONG HIGH-LATITUDE PATH. APRIL 19, 1961.
BY EGELAND, A DDC NR. 269899
HULTQVIST, B CONTRACT NR. AF 61(052)-618
OSTNER, J PROJ/TASK NR. 4509-95005

AFCRL-725
ROYAL SWEDISH ACADEMY OF SCIENCE
DISTANCE DEPENDENCE OF THE SIGNAL STRENGTH FOR OBLIQUE 90 MC/S AURORAL REFLECTIONS. APRIL 20, 1961.
BY EGELAND, A DDC NR. 269901
CONTRACT NR. AF 61(052)-618
PROJ/TASK NR. 4509-95005

AFCRL-726
ROYAL SWEDISH ACADEMY OF SCIENCE
FADING RATE OF AURORAL REFLECTIONS AT 98.8 MC/S. APRIL 29, 1961.
BY ROELAND, A — DDC NR. 269900 — CONTRACT NR. AF 61(052)-418 — PROJ/TASK NR. 4909-99099

AFCRL-727
ENGINEERING SUPERVISION COMPANY
INVESTIGATION OF STRESS DISTRIBUTION AND STRENGTH CHARACTERISTICS OF LOAD MAGNIFICATION ANVILS FOR ULTRA HIGH PRESSURE APPARATUS. MARCH 31, 1961.
BY — DDC NR. 260626 — CONTRACT NR. AF 19(604)-7438 — PROJ/TASK NR. 5620-56202

AFCRL-728
ENGINEERING SUPERVISION COMPANY
INVESTIGATION OF STRESS DISTRIBUTION AND STRENGTH CHARACTERISTICS OF LOAD MAGNIFICATION ANVILS FOR ULTRA HIGH PRESSURE APPARATUS. JUNE 30, 1961.
BY — DDC NR. 260627 — CONTRACT NR. AF 19(604)-7438 — PROJ/TASK NR. 5620-56202

AFCRL-729
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A NOTE ON SEMICONDUCTOR DEVICE FABRICATION . AUGUST 1961.
BY BERMAN, I — DDC NR. 268039 — CONTRACT NR. — PROJ/TASK NR. 4600-46008

AFCRL-731
CHALMERS UNIVERSITY OF TECHNOLOGY
ON THE PROBLEM OF OVERTAKING IN A VELOCITY DISTRIBUTED ELECTRON STREAM. 1960.
BY WILHELMSSON, K H B — DDC NR. 271734 — CONTRACT NR. AF 61(052)-159 — PROJ/TASK NR. 4618-5630

AFCRL-732
UPPSALA, UNIVERSITY OF
ANALYSIS OF MAGNETIC FIELD VARIATIONS IN THE VICINITY OF LIGHTNING DISCHARGES. APRIL 30, 1961.
BY NORINDER, H — DDC NR. 264682 — CONTRACT NR. AF 61(052)-171 — PROJ/TASK NR. 5630

AFCRL-733
UPPSALA UNIVERSITY OF
LIGHTNING DISCHARGE PATHS PHOTOGRAPHED IN DAYLIGHT AND ANALYSED BY SIMULTANEOUS VARIATIONS OF MAGNETIC FIELD COMPONENTS, 1961.
ARKIV FOR GEOFYSIK BAND 3 NR 19
BY NORINDER, H; KRUMSPN, F — DDC NR. 264181 — CONTRACT NR. AF 61(052)-171 — PROJ/TASK NR. 5630

AFCRL-734
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
ON THE SPORADIC E IONIZATION IN AND NEAR THE AURORAL ZONE APRIL 1961.
BY HAEHLUM, B — DDC NR. 263943 — CONTRACT NR. AF 61(052)-220 — PROJ/TASK NR. 5630

AFCRL-735
TECHNOLOGICAL UNIVERSITY OF HANNOVER
THE COUPLING MECHANISMS BETWEEN LONGITUDINAL AND TRANSVERSAL WAVES IN A PLASMA, JANUARY 9, 1961.
BY RINKEWARDT, G; FAHL, CM; LARENZ, R W — DDC NR. 260772 — CONTRACT NR. AF 61(052)-161 — PROJ/TASK NR. 5630

AFCRL-736
CENTRO RADIOELETTRICO SPERIMENTALE (ROME)
EXPERIMENTS ON BACKSCATTER OF H . F. RADIOWAVES FROM OPEN AND COASTAL SEA, MARCH 1, 1961.
BY RANZI, I — DDC NR. 268083 — CONTRACT NR. AF 61(052)-139 — PROJ/TASK NR. 5630-56302

AFCRL-737
ROME, UNIVERSITY OF
AN EXACT MODAL SOLUTION FOR A RECTANGULAR GUIDE LOADED WITH LONGITUDINALLY MAGNETIZED FERRITE, JANUARY 2, 1961.
BY RANZILAI, G; GEROSA, G — DDC NR. 263958 — CONTRACT NR. AF 61(052)-101 — PROJ/TASK NR. 4600-46016

AFCRL-738
PISA, UNIVERSITY OF
RECOVERY OF INFORMATION TRANSFERRED INTO PHASE MODULATION IN IONOSPHERIC WAVE PATHS, FEBRUARY 1961.
BY TIBERIO, U; MARCIANTI, M; SALARDI, G — DDC NR. 264910 — CONTRACT NR. AF 61(052)-359 — PROJ/TASK NR. 5631-56319

AFCRL-739
STANFORD UNIVERSITY
CALCULATIONS OF SIGNAL-TO-NOISE RATIOS FOR SOLAR RADAR ECHOES, JULY 10, 1961.
BY HOH, P — DDC NR. 265367 — CONTRACT NR. AF 19(604)-7436 — PROJ/TASK NR. 4603-46037

AFCRL-740
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH JULY 31, 1961.
BY BLANC, J; RUBE, A M; EKSTROM, L; GOLDSTEIN, A; HERBART, P G; LIFSHAHN, W K; LOEBNER, E E; POOR, F W; RICHMAN, D; WEISBERG, L R — DDC NR. 266498 — CONTRACT NR. AF 19(604)-6152 — PROJ/TASK NR. 4608-46088

AFCRL-741
SYLVANIA ELECTRONIC SYSTEMS
ADDITIONAL COMPUTATION ON THE PERFORMANCE OF ANTENNA SYSTEMS IN SCATTER-TYPE RECEPTION. AUGUST 1961.
BY COHAN, W M; JOHANSEN, D P — DDC NR. 264903 — CONTRACT NR. AF 19(604)-7237 — PROJ/TASK NR. 4600-46071

AFCRL-742
SYLVANIA ELECTRIC SYSTEMS
THEORY OF ANTENNA PERFORMANCE IN SCATTER-TYPE RECEPTION. FINAL REPORT. OCTOBER 1961.
BY JOHANSEN, D E — DDC NR. — CONTRACT NR. AF 19(604)-7237 — PROJ/TASK NR. 4600-46071

AFCRL-743(A)
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES. JULY 7, 1961.
BY — DDC NR. 263819 — CONTRACT NR. AF 19(604)-6623 — PROJ/TASK NR. 4600-46008

AFCRL-743(B)
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES. JULY 7, 1961.
BY HOLONYAK, JR, N; BEVACQUA, S F — DDC NR. 263818 — CONTRACT NR. AF 19(604)-6623 — PROJ/TASK NR. 4600-46008

AFCRL-744
POLYTECHNIC INSTITUTE OF BROOKLYN
MODAL ANALYSIS AND SYNTHESIS OF ELECTROMAGNETIC FIELDS. JULY 27, 1961.
BY FELSEN, L A; MARCUVITZ, N — DDC NR. — CONTRACT NR. AF 19(604)-7400 — PROJ/TASK NR. 4600-46017

AFCRL-745
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
LARGE SPHERICAL ANTENNAS FOR AEROSPACE RESEARCH, AUGUST 1961.
BY ALTSHULER, E E — DDC NR. 267016 — CONTRACT NR. — PROJ/TASK NR. 4600-46019

AFCRL-746
MICHIGAN UNIVERSITY OF
STUDIES IN NON-LINEAR MODELING III ON THE INTERACTION OF ELECTROMAGNETIC FIELDS WITH PLASMA. FINAL REPORT JULY 31 1961.
BY CHEN, K M; ELEINMAN, R E; METZNER, J; RUEHR, O G; SENGUPTA, D — DDC NR. 267391 — CONTRACT NR. AF 19(604)-7428 — PROJ/TASK NR. 4700

AFCRL-747
CASE INSTITUTE OF TECHNOLOGY
DRIVING POINT IMPEDANCE SYNTHESIS USING IMPEDANCE OPERATORS. AUGUST 1, 1961.
BY MURDOCH, J. B. — DDC NR. — CONTRACT NR. AF 19(604)-3887 — PROJ/TASK NR. 5639-56351

AFCRL-748
CHALMERS UNIVERISTY OF TECHNOLOGY
A THEORY OF INCOHERENT SCATTERING OF RADIO WAVES BY A PLASMA IN A UNIFORM MAGNETIC FIELD. 1961.
BY FARLEY, D T; DOUGHERTY, J P; BARRON, D W — DDC NR. 271739 — CONTRACT NR. AF 61(052)-451 — PROJ/TASK NR. 5561-46305

AFCRL-749
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
ANNUAL SUMMARY REPORT. JUNE 1, 1961.
BY PETERS, JR., L; POTTS, B; SWARNER, W G — DDC NR. 264034 — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 4649-46490

AFCRL-750
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
ON THE ORIGIN OF ..VERY-LOW-FREQUENCY EMISSIONS.. AUGUST 15 1961.
BY UNZ, H — DDC NR. 264489 — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 4649-46490

AFCRL-751
OHIO STATE UNIVERSITY
EXPERIMENTAL PROGRAM TO DETERMINE PROPERTIES OF IONIZATION WHICH IS PRODUCED BY SPACE VEHICLES. FINAL REPORT. JUNE 30, 1961.
BY — DDC NR. 264039 — CONTRACT NR. AF 19(604)-7274 — PROJ/TASK NR. 4690-46900

AFCRL-752
TYCO, INC.
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH. AUGUST 17, 1961.
BY KLAVSKY, A I — DDC NR. 269967 — CONTRACT NR. AF 19(604)-6803 — PROJ/TASK NR. 4600-46008

AFCRL-753
HAZELTINE TECHNICAL DEVELOPMENT CENTER, INC.
A STUDY OF DISPLAY SYSTEMS FOR USE IN THE AUGMENTED 6-WHEELS PROJECT. JULY 1961.
BY FIGHTS, R C; VICKERS, T K; MILLER, W F — DDC NR. 266529 — CONTRACT NR. AF 19(604)-7986 — PROJ/TASK NR. 7124

AFCRL-754
WESTINGHOUSE RESEARCH LABORATORIES
VARIABLE MICROWAVE COUPLING FOR LOW TEMPERATURE SPECTROSCOPY. SEPTEMBER 18, 1961.
BY MCAVOY, B. R. — DDC NR. — CONTRACT NR. AF 19(604)-5589 — PROJ/TASK NR. 5621-56211

AFCRL-765
NORTHEASTERN UNIVERSITY
TRANSFORM METHODS FOR NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS. SEPTEMBER 19, 1961.
BY HACH, JR., R. E. DDC NR. 264391
CONTRACT NR. AF 19(604)-4973
PROJ/TASK NR. 9632-96322

AFCRL-766
NORTHEASTERN UNIVERSITY
METHODS OF ANALYSIS OF COMPLEX SYSTEMS. MARCH 21, 1961
BY DOLANSKY, L. DDC NR. 263096
CONTRACT NR. AF 19(604)-4973
PROJ/TASK NR. 9632-96322

AFCRL-767
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN EXPERIMENTAL AIRBORNE 50 MCPS IONOSPHERIC SCATTER COMMUNICATION CIRCUIT, OCTOBER 1961.
BY AMES, L. A DDC NR.
DAGLE, E. F CONTRACT NR.
ORANGE, A. S PROJ/TASK NR. 4610-46100
WULFSBERG, K. N

AFCRL-768
PICKARD & BURNS, INC.
(U) RADIO FREQUENCY MEASUREMENTS FIREFLY 1960 TESTS. AUGUST 1961. SECRET
BY WHITMAN, L DDC NR. 326966
CONTRACT NR. AF 19(604)-7377
PROJ/TASK NR. 4649

AFCRL-769
FRIEDMAN, INC., MORRIS D.
ON FINDING ASYMPTOTES OF SOLUTIONS OF SHORTWAVE DIFFRACTION PROBLEMS.
REPRINTED FROM ZH. VYCHISL. MATE. MATE. FIZ., VOL. 1, NO. 2, 1961, PP. 226-269
BY POVZNER, A. IA. DDC NR.
SUKHAREVSKII, I. V. CONTRACT NR. AF 19(604)-5969
PROJ/TASK NR. 4600-46017

AFCRL-760
JOHNS HOPKINS UNIVERSITY
INSTABILITIES AND NOISE IN MAGNETICALLY CONFINED PLASMAS. PERIOD ENDING AUGUST 31, 1961.
BY SCOTTO, M. DDC NR.
DENBURG, D. CONTRACT NR. AF 19(604)-5668
PARZEN, P. PROJ/TASK NR. 9634-96342

AFCRL-761
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE KINETICS OF AIR IN A HYPERSONIC SHOCK WAVE, AUGUST 1961
BY ATALLAH, S DDC NR. 267017
CONTRACT NR.
PROJ/TASK NR. 9561-46308

AFCRL-762
CORNELL AERONAUTICAL LABORATORY, INC.
PROJECT TEAS, LIMITED WAR, THREAT EVALUATION AND ACTION SELECTION 1970-1980, EXECUTIVE SUMMARY, SEPTEMBER 1961.
BY BRAUNSTEIN, M L DDC NR. 267131
ROTH, E W CONTRACT NR. AF 19(604)-7361
PROJ/TASK NR. 4690-46901

AFCRL-763
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THEORETICAL AND EXPERIMENTAL RESEARCH ON THERMOELECTRICITY. JULY 15, 1961.
BY DDC NR. 264491
CONTRACT NR. AF 19(604)-6159
PROJ/TASK NR. 9621-96212

AFCRL-764
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE CARBON VAPOR LAMP A THERMAL RADIATION SOURCE FOR IMAGE FURNACES, SEPTEMBER 1961.
BY PLOETZ, G P DDC NR.
COE, H F CONTRACT NR.
LARSEN, L C PROJ/TASK NR. 4619-46190

AFCRL-765
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
DETERMINATION OF ELECTRON DENSITY USING THE MICROWAVE CAVITY TECHNIQUE, SEPTEMBER 1961.
BY MCELHANEY, A R DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4619-46191

AFCRL-766
GEOPHYSICS CORPORATION OF AMERICA
STUDY OF THE INTERACTION OF ELECTROMAGNETIC RADIATION AND HYDROMAGNETIC WAVES AND SHOCKS IN AN IONIZED MEDIUM
SEPTEMBER 14, 1961
BY * MENZEL, D H DDC NR. 263930
ACCARDO, C A CONTRACT NR. AF 19(604)-715,
LAYZER, D PROJ/TASK NR. 4649-46494
BROWN, W P

AFCRL-767
HELPAR INC.
(U) STUDIES ON OPTIMUM STRUCTURES FOR HARDENED ANTENNA SITES, FINAL REPORT, AUGUST 1961. SECRET RD
BY TAYLOR, P F DDC NR.
LAMESTON, L R CONTRACT NR. AF 19(604)-7357
TUTTLE, L P PROJ/TASK NR. 4506-46313
MEYER, W A PROJ/TASK NR. 4600-46009
JOHNS, S B

AFCRL-768
WASHINGTON, UNIVERSITY OF
AZIMUTH RADIATION PATTERN SYNTHESIS FOR CIRCULAR APERTURE ANTENNAS AUGUST 1961.
BY ISHIMARU, A. DDC NR.
BOSSE, R. G. CONTRACT NR. AF 19(604)-4098
PROJ/TASK NR. 9639-96390

AFCRL-769
ELECTROMAGNETIC RESEARCH CORPORATION
PROJECT NEPTUNE - INVESTIGATION OF THE COMMUNICATIONS POTENTIALITIES OF THE TRADE WIND INVERSION DUCT, AUGUST 15 1961.
BY BONDURANT, F A DDC NR.
FATZIN, J C CONTRACT NR. AF 19(604)-7435
SATZIN, M PROJ/TASK NR. 4601-46032
WASHBURN, JR., A B
WOLFF, F A

AFCRL-770
GULTON INDUSTRIES, INC.
HIGH TEMPERATURE DIELECTRIC MATERIALS, AUGUST 31, 1961.
BY LUPFER, D. A. DDC NR.
CONTRACT NR. AF 19(604)-7330
PROJ/TASK NR. 4154-46211

AFCRL-771
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS, AUGUST 24, 1961.
BY AFFLECK, J. H. DDC NR. 264693
CONTRACT NR. AF 19(604)-4093
PROJ/TASK NR. 4619-46190

AFCRL-772
STANFORD RESEARCH INSTITUTE
EQUILIBRIA IN GROUP III-V SEMICONDUCTORS CONTAINING GROUP IV SUBSTITUENTS, JUNE 12, 1961.
BY SCOTT, A B DDC NR.
CONTRACT NR. AF 19(604)-7231
PROJ/TASK NR. 5620-56204

AFCRL-773
POLYTECHNIC INSTITUTE OF BROOKLYN
INVESTIGATIONS ON GUIDING AND RADIATING MICROWAVE STRUCTURES, AUGUST 23, 1961.
BY OLINER, A A. DDC NR. 268728
CONTRACT NR. AF 19(604)-2031
PROJ/TASK NR. 4600-46017

AFCRL-774
GENERAL ELECTRIC COMPANY
INVESTIGATION FOR THE DEVELOPMENT OF CERAMIC BODIES FOR ELECTRON TUBES, SEPTEMBER 13, 1961.
BY WISELY, W R DDC NR. 264924
CONTRACT NR. AF 19(604)-7410
PROJ/TASK NR. 4619-46190

AFCRL-775
OXFORD, UNIVERSITY OF
PREPARATION OF SINGLE CRYSTALS OF YTTRIUM GALLIUM GARNET AND YTTRIUM ALUMINIUM GARNET, AND INVESTIGATION OF PARAMAGNETIC RESONANCE SPECTRA OF FOUR RARE EARTH IONS IN THESE GARNETS, MAY 1961.
BY BALL, M DDC NR. 265205
GARTON, G CONTRACT NR. AF 61(052)-12
RYAN, D PROJ/TASK NR. 5620-56204
WOLF, W P

AFCRL-776
GENERAL ELECTRIC RESEARCH LAB.
INVESTIGATION OF SEMICONDUCTING PROPERTIES OF II-VI COMPOUNDS, AUGUST 24, 1961.
BY AVERY, M DDC NR. 264310
PIPER, W W CONTRACT NR. AF 19(604)-8512
PROJ/TASK NR. 4608-46088

AFCRL-777
POLYTECHNIC INSTITUTE OF BROOKLYN
THE ELECTROMAGNETIC FIELD OF A SOURCE-EXCITED PLASMA SLAB, SEPTEMBER 1961.
BY TAMIR, T. DDC NR.
CONTRACT NR. AF 19(604)-6161
PROJ/TASK NR. 9639-96390

AFCRL-778
BOSTON UNIVERSITY
IMPLICATIONS OF THE SECOND ORDER CONSERVATION LAW IN THE THEORY OF STATIONARY ELECTROMAGNETIC FIELDS, SEPTEMBER 1961
BY ROMAN, P DDC NR.
NIRMAJ, T CONTRACT NR. AF 19(604)-8022
PROJ/TASK NR.

AFCRL-779
MERRIMAC RESEARCH AND DEVELOPMENT, INC.
EXTREMELY BROAD BAND FERRITE DEVICES, FINAL REPORT
SEPTEMBER 5, 1961.
BY FRIEDMAN, D S DDC NR.
ROSEN, J CONTRACT NR. AF 19(604)-7280
PROJ/TASK NR.

AFCRL-780
PICKARD & BURNS, INC.
NON-LINEAR TECHNIQUES IN ANTENNA THEORY, FINAL REPORT, SEPTEMBER 1961.
BY BANO, M P DDC NR.
CONTRACT NR. AF 19(604)-7279
PROJ/TASK NR.

AFCRL-781
COLUMBIA UNIVERSITY
PROPAGATION OF ELECTROMAGNETIC SURFACE WAVES ALONG CYLINDRICAL COLUMNS WITH ARBITRARY RADIAL PERMITTIVITY VARIATION, AUGUST 31, 1961.
BY VIGANTS, A. DDC NR.
CONTRACT NR. AF 19(604)-3879
PROJ/TASK NR. 9639-96390

AFCRL-782
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
ON THE THEORY OF HYBRID WHISTLERS, AUGUST 17, 1961.
BY UNZ, H DDC NR. 269689
CONTRACT NR. AF 19(604)-7278
PROJ/TASK NR. 4649-46490

AFCRL-783
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
ON THE EVALUATION OF ELECTRON DENSITY DISTRIBUTION IN THE OUTER IONOSPHERE BY SATELLITE RADIO SIGNALS, AUGUST 21, 1961
BY UNZ, H
DDC NR. 265490
CONTRACT NR. AF 19<604>-7270
PROJ/TASK NR. 4649-46490

AFCRL-784
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
SIMPLIFIED ANALYSIS OF IONOSPHERIC H'<F> RECORDS, USING WAVE REFRACTIVE INDEX, AUGUST 23, 1961.
BY UNZ, H
DDC NR. 265491
CONTRACT NR. AF 19<604>-7270
PROJ/TASK NR. 4649-46490

AFCRL-787
MICHIGAN, UNIVERSITY OF
STUDIES IN RADAR CROSS SECTIONS XLVI THE CONVERGENCE OF LOW FREQUENCY EXPANSIONS IN SCALAR SCATTERING BY SPHEROIDS AUGUST 1961.
BY SENIOR, T B A
DDC NR.
CONTRACT NR. AF 19<604>-6655
PROJ/TASK NR. 5635-56351

AFCRL-788
CASE INSTITUTE OF TECHNOLOGY
QUARTERLY PROGRESS REPORT, PERIOD COVERING APRIL 1, 1961 TO JUNE 30, 1961, BY THE CASE PROJECT STAFF.
BY
DDC NR.
CONTRACT NR. AF 19<604>-3887
PROJ/TASK NR. 5635-56351

AFCRL-789
RADIO CORPORATION OF AMERICA
MAXIMIZING THE PERFORMANCE OF PHOTOCONDUCTORS, SEPTEMBER 14 1961.
BY ANDERSON, W M
BLANC, J
BUBE, R H
DREEBEN, A B
LIND, E L
MACDONALD, H E
DDC NR.
CONTRACT NR. AF 19<604>-6353
PROJ/TASK NR. 4608-46088

AFCRL-790
CASE INSTITUTE OF TECHNOLOGY
ALTERNATE FORMS OF RICHARDS THEOREM, MAY 31, 1961.
BY WAGNER, W, S,
DDC NR.
CONTRACT NR. AF 19<604>-3887
PROJ/TASK NR. 5635-56351

AFCRL-791
BROWN UNIVERSITY
PROPAGATION ON MODULATED CORRUGATED RODS AUGUST 1961.
BY WANG, C, C,
KORNHAUSER, E, T,
DDC NR.
CONTRACT NR. AF 19<604>-4561
PROJ/TASK NR. 5635-56351

AFCRL-792
RADIO CORPORATION OF AMERICA
MAJORITY LOGIC BY GEOMETRIC METHODS, JULY 13, 1961.
BY MILLER, H S
WINDER, R O
DDC NR.
CONTRACT NR. AF 19<604>-8423
PROJ/TASK NR. 5632-56321

AFCRL-793
RADIO CORPORATION OF AMERICA
MAJORITY GATE NETWORKS, AUGUST 24, 1961.
BY AMAREL, S
COOKE, G
WINDER, R O
DDC NR.
CONTRACT NR. AF 19<604>-8423
PROJ/TASK NR. 5632-56321

AFCRL-796
WASHINGTON, UNIVERSITY OF
TABLES OF THE ANGER AND LOMMEL-WEBER FUNCTIONS, 1962.
BY BERNARD, G, D,
ISHIMARA, A
DDC NR.
CONTRACT NR. AF 19<604>-4098
PROJ/TASK NR. 5635-56350

AFCRL-797
WASHINGTON, UNIVERSITY OF
FREQUENCY SCANNING OF SLOW WAVE ANTENNAS, AUGUST 1961.
BY ISHIMARU, A,
HSIEH, C,
DDC NR.
CONTRACT NR. AF 19<604>-4098
PROJ/TASK NR. 5635-56350

AFCRL-798
WASHINGTON, UNIVERSITY OF
PATTERN SYNTHESIS WITH A FLUSH-MOUNTED LEAKY-WAVE ANTENNA ON A CONDUCTING CIRCULAR CYLINDER, SEPTEMBER 1961.
BY ISHIMARU, A,
BEICH, F, R,
DDC NR.
CONTRACT NR. AF 19<604>-4098
PROJ/TASK NR. 5635-56350

AFCRL-799
RUTGERS, UNIVERSITY
DEVELOPMENT OF ELECTRONIC VERNEUIL FURNACE,
JUNE 15, 1961.
BY BAUER, W, H,
LONGO, C, V,
MALEK, K,
DDC NR.
CONTRACT NR. AF 19<604>-5902
PROJ/TASK NR. 4608

AFCRL-800
TEXAS, A & M COLLEGE OF
UTILIZATION OF AN/CPS-9 RADAR IN WEATHER ANALYSIS AND FORECASTING FINAL REPORT, JUNE 1961
BY SANFORD, T F
DDC NR. 263541
CONTRACT NR. AF 19<604>-6136
PROJ/TASK NR. 8622

AFCRL-801
SERVICE BUREAU CORPORATION
A DESCRIPTION OF SEVERAL PROGRAMS TO CONVERT IBM 705 METEOROLOGICAL DATA TAPES INTO A MORE EFFICIENT FORM FOR AN IBM 704, JULY 1961.
BY
DDC NR.
CONTRACT NR. AF 19<604>-5739
PROJ/TASK NR. 8642

AFCRL-802
TEXAS INSTRUMENTS INCORPROATED
ANALYSIS AND REDUCTION OF DATA RECORDED UNDER PROJECT COWBOY, JULY 11, 1961.
BY WYLIE, R W
DDC NR. 261745
CONTRACT NR. AF 19 <604>-8078
PROJ/TASK NR. 8100-2

AFCRL-804
STANFORD RESEARCH INSTITUTE
FORCED OSCILLATIONS OF AN ELASTIC HALF-SPACE, FINAL REPORT MAY 31, 1961
BY FLAMMER, C
HERNDON, J R
STALLYBRASS, M P
DDC NR. 259794
CONTRACT NR. AF 19<604>-6123
PROJ/TASK NR. 7639

AFCRL-805
DURHAM, UNIVERSITY OF
RESEARCH ON THERMAL CONVECTION IN ROTATING FLUIDS, JANUARY 1961.
BY HIDE, R
DDC NR. 269965
CONTRACT NR. AF 61<052>-216
PROJ/TASK NR. 8604

AFCRL-806
OSLO, UNIVERSITY OF
RESEARCHES IN THE FIELD OF SOLAR RADIO NOISE, SUNSPOTS, PROMINENCES AND FLARES, JANUARY 21, 1961.
BY
DDC NR. 268163
CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649

AFCRL-807
CHICAGO, UNIVERSITY OF
HEAT EXCHANGE AND CYCLONE DEVELOPMENT ON THE NORTH ATLANTIC OCEAN, JUNE 1961.
BY BRADBURY, D L
PEDERSEN, K
PETTERSSEN, S
DDC NR.
CONTRACT NR. AF 19<604>-7230
PROJ/TASK NR. 8641-86410

AFCRL-808
CHICAGO, UNIVERSITY OF
ON THE VERTICAL CIRCULATION PRODUCED BY RELEASE OF LATENT HEAT IN A STATIC AND QUASI-GEOSTROPHIC ATMOSPHERE, JUNE 1961.
BY PEDERSEN, K
DDC NR.
CONTRACT NR. AF 19<604>-7230
PROJ/TASK NR. 8641-86410

AFCRL-809
GROUP FOR THE ADVANCEMENT OF SPECTROSCOPIC METHODS PARIS
THEORETICAL STUDY OF THE ANOMALOUS ROTATIONAL STRUCTURE OF THE LEVEL 0311 IN THE ROTATION-VIBRATION SPECTRUM OF C13 316, JANUARY 25, 1961.
BY AMAT, G
ANDRADE, M H
SILVA, E
DDC NR.
CONTRACT NR. AF 61<052>-369
PROJ/TASK NR. 8603

AFCRL-810
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
MAXIMUM WINDS AND MISSILE RESPONSE, AUGUST 1961.
BY SALMELA, H A
COURT, A
DDC NR. 265173
CONTRACT NR.
PROJ/TASK NR. 8624-86242

AFCRL-811
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
METEOROLOGICAL EVALUATION AND APPLICATION OF RAINFALL RADIOACTIVITY DATA, AUGUST 1961.
BY STOREY, P, B,
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8628

AFCRL-816
WENTWORTH INSTITUTE
EXCITATION OF SPECTRA BY ION BOMBARDMENT, JULY 1961.
BY GHOSH, S, N,
DDC NR.
CONTRACT NR. AF 19<604>-5734
PROJ/TASK NR.

AFCRL-818
HARVARD UNIVERSITY
AREOGRAPHIC COORDINATES FOR 1958, AUGUST 1961.
BY DE VAUCOULEURS, G
DDC NR.
CONTRACT NR. AF 19<604>-7461
PROJ/TASK NR. 9783

AFCRL-819
TEXAS, UNIVERSITY OF
USE OF THE PHOTODIELECTRIC RESPONSE OF SEMICONDUCTORS TO DETECT INFRARED AND VISIBLE RADIATION, MAY 1961.
BY HARTWIG, W, H,
DDC NR.
CONTRACT NR. AF 19<604>-5717
PROJ/TASK NR. 7698

AFCRL-820
MANCHESTER, UNIVERSITY OF
LABORATORY SIMULATION OF LUNAR LUMINESCENCE, MARCH 1961.
BY KOPAL, Z
DDC NR. 272119
CONTRACT NR. AF 61<052>-379
PROJ/TASK NR. 8602

AFCRL-821
QUEEN-S UNIVERSITY, BELFAST
RESONANCE CHARGE TRANSFER BETWEEN HC1S> AND H6 USING AN APPROXIMATION BASED ON AN EXPANSION IN ATOMIC EIGENFUNCTIONS, <SHORT TITLE> CHARGE TRANSFER - ATOMIC EIGENFUNCTION APPROXIMATION <1961>
BY MCCARROLL, R
DDC NR. 271903
CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

AFCRL-822
QUEEN-S UNIVERSITY, BELFAST
THE EXCITATION OF THE 2S STATE OF ATOMIC HYDROGEN BY ELECTRON IMPACT <1961>
BY MOISEIWITSCH, B L
DDC NR. 271745
CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

AFCRL-825
COLORADO, UNIVERSITY OF
IMPULSIVE PHENOMENA OF THE SOLAR ATMOSPHERE, I. SOME OPTICAL EVENTS ASSOCIATED WITH FLARES SHOWING EXPLOSIVE PHASE, AUGUST 8, 1961.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 133, NO. 3, MAY 1961
BY ATHAY, R. G. DDC NR. 262118
MORETON, G. E. CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-826
COLORADO, UNIVERSITY OF
MAGNETIC STORMS THEIR GEOMETRICAL AND PHYSICAL ANALYSIS AND THEIR CLASSIFICATION, AUGUST 8, 1961.
BY CHAPMAN, S. DDC NR. 262117
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-827
COLORADO, UNIVERSITY OF
THE RING CURRENT, GEOMAGNETIC DISTURBANCE AND THE VAN ALLEN RADIATION BELTS, AUGUST 8, 1961.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 66, NO. 5, MAY 1961
BY AKASOFU, S. I. DDC NR. 262116
CHAPMAN, S. CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-828
COLORADO, UNIVERSITY OF
SUDDEN COMMENCEMENT OF GEOMAGNETIC STORMS, AUGUST 8, 1961.
REPRINTED FROM PLANETARY AND SPACE SCIENCE, VOL. 2, NO. 2, 1960
BY AKASOFU, S. I. DDC NR. 262115
CONTRACT NR. AF 19(604)-2160
PROJ/TASK NR. 7669

AFCRL-829
ONONDAGA ASSOCIATES, INC.
DEVELOPMENT OF FOAM INSULATION FOR PROTECTION OF ARCTIC AIRFIELDS, FINAL REPORT AUGUST 1961.
BY AIDUN, A. B. DDC NR. 267120
GROVE, JR., C. S. CONTRACT NR. AF 19(604)-6633
WOODCOCK, A. E. PROJ/TASK NR. 7628

AFCRL-830
EPPLEY LABORATORY, INC.
A NEW APPROACH TO THE MEASUREMENT OF TERRESTRIAL RADIATION, JULY 1961.
BY DRUMMOND, A. J. DDC NR. 269139
CONTRACT NR. AF 19(604)-5887
PROJ/TASK NR. 1786

AFCRL-831
NEW YORK UNIVERSITY
MATERIALS FOR THERMOELECTRIC GENERATORS, JULY 1961.
BY MILLER, P. DDC NR. 266934
ERMANIS F. CONTRACT NR. AF 19(604)-3902
CADOFF, I. PROJ/TASK NR. 6692

AFCRL-832
POLYTECHNIC INSTITUTE OF BROOKLYN
PROJECT SUN PHOTOREDUCING DYE SYSTEMS, JUNE 1961.
BY OSTER, G. DDC NR.
OSTER, G. K. CONTRACT NR. AF 19(604)-4065
WOLMERSON, A. PROJ/TASK NR. 6696
MILLICH F.
SCHATZ, P.

AFCRL-833
WEIZMANN INSTITUTE OF SCIENCE
TERRESTRIAL SPECTROSCOPY, APRIL 5, 1961.
BY PEREIRS, C. L. DDC NR. 268194
ALTERMAN, A CONTRACT NR. AF 61(052)-509
JAROSCH, H PROJ/TASK NR. 8692

AFCRL-834
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
AN EXAMPLE OF CHROMOSPHERIC STRIATION OBSCURATION BY A GREAT FLARE, AUGUST 1960.
BY SMITH, H. J. DDC NR. 269222
BOOTON, R. D. CONTRACT NR.
PROJ/TASK NR. 7669

AFCRL-835
STANFORD, UNIVERSITY
(U) IONIZATION PERTURBATIONS IN THE UPPER ATMOSPHERE CREATED BY CHEMICAL RELEASES(FIREFLY/SHOREPUFF PROGRAMS, 1958-1960), JULY 31, 1961. CONFIDENTIAL
BY GALLAGHER P. B. DDC NR. 525070
BARNES, R. A. CONTRACT NR. AF 19(604)-2079
PROJ/TASK NR. 7639

AFCRL-836
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RESEARCH DIRECTED TOWARD THE INVESTIGATION OF RADAR TECHNIQUES FOR SEVERE STORM IDENTIFICATION AND THE MEASUREMENT OF PRECIPITATION GROWTH, AUGUST 1961.
BY AUSTIN, P. M. DDC NR. 263025
CONTRACT NR. AF 19(604)-2291
PROJ/TASK NR. 7641

AFCRL-837
PENNSYLVANIA STATE UNIVERSITY
A REVIEW OF THE MACROSCOPIC EQUATIONS FOR A NON-REACTING PLASMA, JULY 1, 1961.
BY CHANDRA, S. DDC NR. 262800
CONTRACT NR. AF 19(604)-6563
PROJ/TASK NR. 8609

AFCRL-838
HARVARD UNIVERSITY
ECLIPSE OVER THE MEDITERRANEAN, SEPTEMBER 1961.
REPRINTED FROM SKY AND TELESCOPE, VOL. XXI, NOS. 4, 5, 6, APRIL MAY AND JUNE 1961
BY MENZEL, D. H. DDC NR. 263863
CONTRACT NR. AF 19(604)-6962
PROJ/TASK NR. 7649

AFCRL-839
PENNSYLVANIA STATE UNIVERSITY
UPPER ATMOSPHERE DYNAMICAL MOTIONS WITH SPECIAL CONSIDERATION OF THE CORIOLIS FORCE AND INCLUDING THE EFFECTS OF ELECTRIC FIELDS, AUGUST 1, 1961.
BY CHANDRA, S. DDC NR. 267799
CONTRACT NR. AF 19(604)-6561
PROJ/TASK NR. 8609

AFCRL-840
AMERICAN SCIENCE AND ENGINEERING, INC.
(U) FEASIBILITY STUDY OF PHOSPHOR LUMINESCENCE IN VAN ALLEN LAYER, JUNE 9, 1961. SECRET
BY DAVIDSON, G. DDC NR.
CARPENTER, J. W CONTRACT NR. AF 19(604)-8681
GIACCONI, R PROJ/TASK NR. 8643

AFCRL-842
NEW YORK UNIVERSITY
DROP COALESCENCE, FINAL REPORT JULY 1961.
BY SCHOTLAND, R. M DDC NR. 261980
HALE, J. L CONTRACT NR. AF 19(604)-8164
PROJ/TASK NR. 8620

AFCRL-843
WEIZMANN INSTITUTE OF SCIENCE
ROTATIONAL MULTIPLETS IN THE SPECTRUM OF THE EARTH, JULY 5, 1961.
BY PEREIRS, C. L. DDC NR. 268194
ALTERMAN, A CONTRACT NR. AF 61(052)-509
JAROSCH, H PROJ/TASK NR. 8692

AFCRL-844
ALASKA, UNIVERSITY OF
EXPERIMENT LUREMBURG, AUGUST 1961.
BY FLOCK, W. L. DDC NR. 266916
ARNSON, R. F. CONTRACT NR. AF 19(604)-3882
PROJ/TASK NR. 7661

AFCRL-845
GENERAL MILLS ELECTRONICS GROUP
INDIA BALLOON PROGRAM, JULY 28, 1961.
BY DIETSCHE, D. A DDC NR. 269101
CONTRACT NR. AF 19(604)-5118
PROJ/TASK NR. 5010-5012

AFCRL-846
BARBER & COLMAN COMPANY
AN ATLAS OF INFRARED SPECTRA OF FLAMES, PART ONE, INFRARED SPECTRA OF HYDROCARBON FLAMES IN THE 1-5 MU REGION JULY 1961.
BY RYAN, L. R. DDC NR.
PENZIAS, G. J CONTRACT NR. AF 19(604)-6120
TOURIN, R. H PROJ/TASK NR.

AFCRL-846(II)
BARBER & COLMAN COMPANY
AN ATLAS OF INFRARED SPECTRA OF FLAMES, PART TWO.
HYDROGEN-OXYGEN FLAMES 4-15 MU, AMMONIA-OXYGEN 1-15 MU, HYDRAZINE-OXYGEN 1-5 MU, AND FLAMES BURNING AT REDUCED PRESSURES, OCT 1961.
BY PENZIAS, G. J DDC NR.
GILLMAN, S CONTRACT NR. AF 19(604)-6120
LIANG, F. T PROJ/TASK NR.
TOURIN, R. H

AFCRL-847
ELECTROMAGNETIC RESEARCH CORPORATION
DETERMINATION OF IONOSPHERE PARAMETERS BY MEANS OF A SATELLITE ANTENNA-TYPE PROBE III, PERTURBATION ANALYSIS AND ADMITTANCE MEASUREMENT SYSTEM JUNE 30, 1961.
BY ZACHARY, W. W DDC NR. 263267
WOLFF, E. A CONTRACT NR. AF 19(604)-6856
KATZIN, M PROJ/TASK NR. 4776

AFCRL-850
OKLAHOMA, UNIVERSITY OF
EFFECT OF CONFIGURATION INTERACTIONS ON DISSOCIATION ENERGY AND HYPERFINE STRUCTURE CONSTANTS OF THE NO MOLECULE, SEPTEMBER 1961.
BY TANAZAKI, M. DDC NR.
SAKAMOTO, M. CONTRACT NR. AF 19(604)-5576
MIYATA, K. PROJ/TASK NR. 7639-76350
LIN, C. C.

AFCRL-851
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE FORMATION OF IONS IN THE UPPER ATMOSPHERE, NOVEMBER 1961.
BY HUFFMAN, R. E DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7639-76367

AFCRL-852
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
STUDIES IN LUNAR TOPOGRAPHY, DECEMBER 1961
BY KOPAL, Z DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8602-86020

AFCRL-853
ISRAEL INSTITUTE OF TECHNOLOGY
SOLID STATE LOGARITHMIC PULSE AMPLIFIER, APRIL 1961.
BY OPHIR, D DDC NR.
GALIL, U CONTRACT NR. AF 61(052)-196
PROJ/TASK NR. 8600

AFCRL-856
UPPSALA UNIVERSITY OF
COSMIC RAY INTENSITY VARIATIONS DURING 1960, APRIL 26, 1961
BY SANDSTROM, A. E DDC NR. 260199
DYRING, F CONTRACT NR. AF 61(514)-1912
GROMEVIST, B. O PROJ/TASK NR. 8600
LINDGREN, S

AFCRL-855
OBSERVATOIRE DE MEUDON <FRANCE>
RADIATION IN A PLASMA - I - CERENKOV EFFECT, DECEMBER 5, 1960.
BY COHEN, M H
DDC NR.
CONTRACT NR. AF 61<052>-432
PROJ/TASK NR. 8606

AFCRL-856
SOUTHAMPTON UNIVERSITY OF
RESEARCH ON ELECTRONICALLY EXCITED STATES AND THEIR REACTIONS, MAY 20, 1961.
BY COOKSON, R C
DDC NR.
CONTRACT NR. AF 61<052>-191
PROJ/TASK NR. 6694

AFCRL-857
UPPSALA UNIVERISTY OF
COSMIC RAY FLUCTUATIONS IN THE NUCLEONIC AND MESON COMPONENTS IN UPPSALA DURING NOVEMBER 10-22, 1960, MAY 25, 1961.
BY DYRING, E
DDC NR. 268200
CONTRACT NR. AF 61<514>-1312
PROJ/TASK NR. 8600

AFCRL-858
MANCHESTER UNIVERSITY OF
LUNAR PHOTOMETRIC AND TOPOGRAPHIC ANALYSIS, DECEMBER 1960.
BY KOPAL, Z
DDC NR.
CONTRACT NR. AF 61<052>-380
PROJ/TASK NR. 8602

AFCRL-859
NAPLES, UNIVERSITY OF
IONOSPHERIC SELFMODULATION AT VERTICAL INCIDENCE THROUGH THE METHOD OF MODULATED PULSES, MAY 1961.
BY CUTOLO, M
DDC NR. 272164
CONTRACT NR. AF 61<514>-1299
PROJ/TASK NR. 7663

AFCRL-860
MANCHESTER COLLEGE OF SCIENCE & TECHNOLOGY
SPECTROPHOTOMETRIC STUDY OF THE LUNAR SURFACE MARCH 1961.
BY KOPAL, Z
DDC NR. 272573
CONTRACT NR. AF 61<052>-378
PROJ/TASK NR. 8602

AFCRL-861
LONDON, UNIVERSITY OF
RESEARCH ON THE VERTICAL DISTRIBUTION OF ATMOSPHERIC OZONE BY METHODS OF INFRA-RED SPECTROGRAPHY AND RELATED PROBLEMS, MAY 1961.
BY SHEPPARD, P A
DDC NR. 271983
CONTRACT NR. AF 61<052>-84
PROJ/TASK NR. 8603

AFCRL-862
RIAS
INVESTIGATION OF THE HEAVY COMPONENT OF THE PRIMARY COSMIC RADIATION, FINAL REPORT, JUNE 1961.
BY HANSON, H.
WITTEN, L
DDC NR. 265299
CONTRACT NR. AF 19<604>-3868
PROJ/TASK NR. 8600

AFCRL-863
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
INITIAL STUDIES ON UNDERGROUND NUCLEAR DETECTION WITH SEISMIC DATA PREPARED BY A NOVEL DIGITIZATION SYSTEM, JUNE 30, 1961.
BY SIMPSON, JR., S M
DDC NR. 271184
CONTRACT NR. AF 19<604>-7378
PROJ/TASK NR. 8100-2

AFCRL-864
UTAH STATE UNIVERSITY
<U> THERMAL RADIATION FROM ROCKET PLUMES, JUNE 30, 1961.
SECRET
BY BAKER, D J
BROWN, F R
FINCHUM, W A
DDC NR.
CONTRACT NR. AF 19<604>-7423
PROJ/TASK NR. 4904

AFCRL-865
CENTURY GEOPHYSICAL CORPORATION
EVALUATION OF PRESSURE DETECTOR AS A DEEP WELL SEISMOMETER, AUGUST 23, 1961.
BY BRODING, R. A.
HEARN, D. P.
DDC NR. 263878
CONTRACT NR.
PROJ/TASK NR. 7652

AFCRL-866
COLORADO UNIVERSITY OF
COMMENTS ON TIDAL WINDS IN THE HIGH ATMOSPHERE, SEPTEMBER 1961.
REPRINTED FROM PLANET. SPACE SCI. PERGAMON PRESS, 1961, VOL. 5, PP. 196-201
BY HAURWITZ, B.
DDC NR. 264668
CONTRACT NR. AF 19<604>-5488
PROJ/TASK NR. 8604

AFCRL-867
COLORADO UNIVERSITY OF
WAVE FORMATIONS IN NOCTILUCENT CLOUDS, SEPTEMBER 1961.
REPRINTED FROM PLANET. SPACE SCI. PERGAMON PRESS, 1961, VOL. 5, PP. 92-98
BY HAURWITZ, B.
DDC NR.
CONTRACT NR. AF 19<604>-5488
PROJ/TASK NR. 8604

AFCRL-869
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A NUMERICAL METHOD FOR COMPUTING RADIATIVE TEMPRATURE CHANGES NEAR THE EARTH-S SURFACE, SEPTEMBER 1961.
BY ELLIOTT, W P
STEVENS, D W
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7655-76554

AFCRL-870
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
LOCATION OF A LUNAR BASE, OCTOBER 1961.
BY SALISBURY, J W
CAMPEN, JR., C F
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7698

AFCRL-873
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ON THE METAMORPHISM OF SNOW,
REPRINTED FROM THE REPORT OF THE INTERNATIONAL GEOLOGICAL CONGRESS, XXI SESSION, NORDEN 1960
BY KINGERY, W. D.
DDC NR.
CONTRACT NR. AF 19<604>-5994
PROJ/TASK NR. 8623

AFCRL-874
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ICE ALLOYS,
REPRINTED FROM SCIENCE, JULY 21, 1961,
VOL. 134, NO. 3473, PP. 164-168
BY KINGERY, W. D.
DDC NR.
CONTRACT NR. AF 19<604>-5994
PROJ/TASK NR. 8623

AFCRL-875
MCGILL UNIVERSITY
WATER BALANCE AND HEAT FLUX OF THE ARCTIC OCEAN SEPTEMBER 1961.
PUBLICATION IN METEOROLOGY NO. 44
BY VOWINCKEL, E
ORVIG, S
DDC NR. 264715
CONTRACT NR. AF 19<604>-7415
PROJ/TASK NR. 8623-862303

AFCRL-876
SASKATCHEWAN, UNIVERSITY OF
TEMPERATURES DEDUCED FROM AURORA AND AIRGLOW SPECTRA, JANUARY 1961.
BY HUNTEN, D M
DDC NR.
CONTRACT NR. AF 19<604>-7265
PROJ/TASK NR. 7661-76A12

AFCRL-877
SASKATCHEWAN, UNIVERSITY OF
AN AURORAL EMISSION IN THE 2.0--2.2 MU REGION
REPRINTED FROM JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS, 1960, VOL. 18, PP. 341 TO 343
BY NOXON, J F
JONES, A V
DDC NR.
CONTRACT NR. AF 19<604>-7265
PROJ/TASK NR. 7661-76A12

AFCRL-880
HARVARD UNIVERSITY
MEASUREMENT OF WEAK ABSORPTION BY MOLECULES,
REPRINTED FROM JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, VOL. 51, NO. 5, 526-530, MAY 1961
CONTRACT NR. AF 19<604>-4984
PROJ/TASK NR. 7673-76733

AFCRL-882
HARVARD UNIVERSITY
CLASSIFICATION OF SOLAR PROMINENCES - XII - SUMMARY FOR 1944 TO 1954, OCTOBER 1961.
BY MENZEL, D. H.
JONES, F. S.
DDC NR.
CONTRACT NR. AF 19<604>-4962
PROJ/TASK NR. 7649

AFCRL-883
CONVAIR
<U> SURVEY OF POTENTIAL ROCKET PLUME CONSTITUENTS, JULY 1961. CONFIDENTIAL
BY LUDWIG, C. B.
SULZMANN, K. G. P.
DDC NR.
CONTRACT NR. AF 19<604>-5554
PROJ/TASK NR. 5043

AFCRL-885
HOWELL ASSOCIATES, INC .
THE STEREONEPHOGRAPH A DEVICE TO MAP CLOUDSCAPES FROM AERIAL PHOTOGRAPHS, OCTOBER 30, 1961.
BY HOWELL, W F
DDC NR.
CONTRACT NR. AF 19<604>-7281
PROJ/TASK NR. 6698-66982

AFCRL-894
OBSERVATOIRE DE MEUDON <FRANCE>
THE FOUR MODES OF PROPAGATION OF ADIABATIC WAVES IN A PLASMA , RESEARCH ON A THEORY OF MAGNETOGAS DYNAMICS DECEMBER 5, 1960.
BY DELCROIX, J L
DENISSE, J F
PIHAN, J M
QUEMADA, D
DDC NR.
CONTRACT NR. AF 61<052>-432
PROJ/TASK NR. 8606

AFCRL-897
COLUMBIA UNIVERSITY
LONG-RANGE SOUND TRANSMISSION IN THE ARCTIC OCEAN,
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 66, NO. 7, JULY 1961
BY KUTSCHALE, H.
DDC NR.
CONTRACT NR. AF 19<604>-2030
PROJ/TASK NR. 7628

AFCRL-898
HARVARD UNIVERSITY
APPARATUS FOR THE STUDY OF THE PROPERTIES OF ANTENNAS IN A CONDUCTING MEDIUM MAY 20, 1961.
BY IIZUKA, K
KING, R W P
DDC NR. 265099
CONTRACT NR. AF 19<604>-7262
PROJ/TASK NR. 7661-76615

AFCRL-899
QUEEN-S UNIVERSITY, BELFAST
THE AURORA OF 27 NOVEMBER 1959 AT COLLEGE, ALASKA, INCLUDING OBSERVATIONS OF A HIGH ALTITUDE RED ARC, <1960>
BY REES, M H
DEEHR, C S
DDC NR. 271746
CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

AFCRL-900
NEW YORK UNIVERSITY
ERROR PROBABILITY OF CASCADED BINARY COMMUNICATION LINKS PERTURBED BY ADDITIVE GAUSSIAN NOISE AND RAYLEIGH FADING SEPTEMBER 15, 1961.
BY GOLDMAN, H D; SOMMER, R C
DDC NR.
CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 4610-46104

AFCRL-901
TRANSITRON ELECTRONIC CORPORATION
RESEARCH AND DEVELOPMENT ON HIGH PURITY SILICON CARBIDE CRYSTALS SIC JUNCTIONS AND SIC ACTIVE DEVICES.
BY GLOOR, M.
DDC NR. 265430
CONTRACT NR. AF 19(604)-4989
PROJ/TASK NR. 4608-46088

AFCRL-902
GENERAL ELECTRIC COMPANY
INVESTIGATION OF ANTENNA BEAM SCANNING SEPTEMBER 30, 1961.
BY TOTTEN, H O; JONES, R J
DDC NR.
CONTRACT NR. AF 19(604)-6659
PROJ/TASK NR. 4506-46313

AFCRL-903
SOUTHERN CALIFORNIA, UNIVERSITY OF
SURFACE WAVES ON A PLASMA-CLAD CYLINDER, SEPTEMBER 1961.
BY RUSCH, W V T
DDC NR.
CONTRACT NR. AF 19(604)-6195
PROJ/TASK NR. 4600-46008

AFCRL-904
WESTINGHOUSE ELECTRIC CORPORATION
OPTICAL FREQUENCY MODULATION TECHNIQUES, SEPTEMBER 1961.
BY GOODELL, J R
DDC NR.
CONTRACT NR. AF 19(604)-8501
PROJ/TASK NR. 4610-46108

AFCRL-905
CENTRO DI STUDIO PER LA FISCIO DELLE, FLORENCE, ITALY
METEOR DATA BULLETIN NO. 3, JUNE 1960.
BY CARRARA, N; CHECCACCI, P F; CONSORTINI, A; ABBOZZO, L R; SCHAFFNER, M; VERNIANI, F
DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASK NR. 5630

AFCRL-906
CENTRO DI STUDIO PER LA FISCIO DELLE FLORENCE, ITALY
METEOR DATA BULLETIN NO. 4, JULY 1960.
BY CARRARA, N; CHECCACCI, P F; CONSORTINI, A; ABBOZZO, L R; SCHAFFNER, M; VERNIANI, F
DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASK NR. 5630

AFCRL-907
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
METEOR DATA BULLETIN NO. 5, AUGUST 1960.
BY CARRARA, N; CHECCACCI, P F; CONSORTINI, A; ABBOZZO, L R; SCHAFFNER, M; VERNIANI, F
DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASK NR. 5630

AFCRL-908
CENTRO DI STUDIO PER LA FISICA DELLE, FLORENCE, ITALY
METEOR DATA BULLETIN NO. 6, NOVEMBER 1960.
BY CARRARA, N; CHECCACCI, P F; CONSORTINI, A; ABBOZZOL L R; SCHAFFNER, M; VERNIANI, F
DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASK NR. 5630

AFCRL-909
CENTRO DI STUDIO PER LA FISICO DELLE FLORENCE, ITALY
METEOR DATA BULLETIN NO. 7, DECEMBER 1960 .
BY CARRARA, N; CHECCACCI, P F; CONSORTINI, A; ABBOZZO, L R; SCHAFFNER, M; VERNIANI, F
DDC NR.
CONTRACT NR. AF 61(052)-227
PROJ/TASK NR. 5630

AFCRL-911
CENTRO RADIOELETTRICO SPERIMENTALE (ROME)
BACKSCATTER OF H. F . RADIO WAVES FROM COASTAL AND CONTINENTAL GROUND RELIEFS, APRIL 15, 1961.
BY RANZI, I
DDC NR. 268075
CONTRACT NR. AF 61(052)-139
PROJ/TASK NR. 5630-56302

AFCRL-912
CENTRO RADIOELETTRICO SPERIMENTALE (ROME)
BACKSCATTER SOUNDING DURING IONOSPHERIC STORMS, MAY 15, 1961.
BY RANZI, I; DOMINICI, P
DDC NR. 268084
CONTRACT NR. AF 61(052)-139
PROJ/TASK NR. 5630-56302

AFCRL-913
CENTRO RADIOELETTRICO SPERIMENTALE (ROME)
RADIOCOMMUNICATION BY BACKSCATTER, JUNE 30, 1961.
BY RANZI, I
DDC NR. 268010
CONTRACT NR.
PROJ/TASK NR. 5630-56302

AFCRL-914
STANFORD RESEARCH INSTITUTE
(U) ACANIA MISSILE LAUNCH OBSERVATIONS, OCTOBER 1961.
SECRET
BY DOLPHIN, JR., L T; LONG, R A; HUBBARD, J R
DDC NR. 326052
CONTRACT NR. AF 19(604)-8047
PROJ/TASK NR.

AFCRL-915
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS, SEPTEMBER 1961.
BY CHODOROW, M.
DDC NR.
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-916
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE ELLIPSOIDAL THERMAL IMAGER, OCTOBER 1961.
BY STONE, N; PLOETZ, G P; COX, H
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4619-46190

AFCRL-917
TUFTS UNIVERSITY
VIBRATIONAL SPECTROSCOPY IN OPTICS AND SPECTROSCOPY, NOVEMBER 1, 1961.
BY FREEMAN, D. F.
DDC NR.
CONTRACT NR. AF 19(604)-4063
PROJ/TASK NR. 5620-56204

AFCRL-918
GENERAL DYNAMICS
(U) INVESTIGATIONS OF PHYSICAL PHENOMENA RESULTING FROM MOLECULAR INTERACTIONS WITH HIGH ALTITUDE VEHICLES, SEPTEMBER 1961. SECRET
BY MEDVED, D B
DDC NR.
CONTRACT NR. AF 19(604)-7331
PROJ/TASK NR. 4691

AFCRL-920
HUGHES AIRCRAFT COMPANY
THE NEGATIVE CONDUCTANCE SLOT AMPLIFIER, MAY 24, 1961.
BY PEDINOFF, M E
DDC NR. 266528
CONTRACT NR. AF 19(604)-8386
PROJ/TASK NR. 4600-46008

AFCRL-922
BRANDEIS UNIVERSITY
MAGNETIC PROPERTIES OF SPINS IN SOLIDS AT LOW CONCENTRATIONS, DECEMBER 1, 1961.
BY KAPLAN, J.
DDC NR.
CONTRACT NR. AF 19(604)-4107
PROJ/TASK NR. 5621-56211

AFCRL-923
RAYTHEON COMPANY
STUDIES IN IONOSPHERIC PROPAGATION, FINAL REPORT, JUNE 30, 1961.
BY HOOGASIAN, H.
DDC NR.
CONTRACT NR. AF 19(604)-5230
PROJ/TASK NR. 4603-46033

AFCRL-924
MINNESOTA, UNIVERSITY OF
STUDIES ON BASE NICKELS FOR OXIDE-COATED CATHODES, APRIL 15, 1958-FEBRUARY 28, 1961.
BY ANDERSON, D. E.
DDC NR. 267372
CONTRACT NR. AF 19(604)-3890
PROJ/TASK NR. 5630-56307

AFCRL-926
PARIS, UNIVERSITY OF
AUTOMATIC RECORDING OF THE DOPPLER-FIZEAU EFFECT, OF THE AMPLITUDE AND DETAIL OF THE SIGNAL TRANSMITTED BY THE ARTIFICIAL SATELLITES, OCTOBER 1, 1958 - JUNE 30, 1961
BY VASSY, E J
DDC NR.
CONTRACT NR. AF 61(052)-155
PROJ/TASK NR. 1770

AFCRL-927
UPPSALA, UNIVERSITY OF
SOME FEATURES OF THUNDERSTORM ACTIVITY, 1961.
ARKIV FOR GEOFYSIK BAND 3 NR 18
BY NORINDER, H; KNUDSEN, E
DDC NR. 267949
CONTRACT NR. AF 61(052)-171
PROJ/TASK NR. 5631-56311

AFCRL-928
FORD MOTOR COMPANY
INVESTIGATION AND FUNDAMENTAL STUDY OF CRYOSAR OPERATION APPLICATION, SEPTEMBER 30, 1961.
BY LAMBERT, JR., L
DDC NR. 266255
CONTRACT NR. AF 19(604)-8458
PROJ/TASK NR. 4608-46088

AFCRL-929
CHALMERS UNIVERSITY OF TECHNOLOGY
COHERENT NON-LINEARITIES IN A MAGNETOIONIC MEDIUM 1961
BY EASTMAN, L F
DDC NR. 272406
CONTRACT NR. AF 61(052)-451
PROJ/TASK NR. 5561

AFCRL-930
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A SIMPLE WIDEBAND 90L PHASE SPLITTER FOR SPEECH OR MUSIC OCTOBER 1961.
BY KRIGER, L V
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4610-46102

AFCRL-931
RAYTHEON COMPANY
(U) HF RADAR OBSERVATIONS OF MISSILE LAUNCHES, OCTOBER 1961. SECRET
BY EDWARDS, L. C.
DDC NR. 326735
CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR. 4649-46491

AFCRL-932
STANFORD UNIVERSITY
(U) VLF MEASUREMENTS OF MISSILE LAUNCHINGS, OCTOBER 6, 1961
SECRET
BY BROWN, R J
DDC NR.
CONTRACT NR. AF 19(604)-8615
PROJ/TASK NR. 4610

AFCRL-933
STANFORD RESEARCH INSTITUTE
INVESTIGATION OF A SQUARE-MESH WIRE-GRID MODIFIED-LUNEBURG LENS ANTENNA, SEPTEMBER 1961<
BY ANDREASEN, M G — DDC NR. 268004
TANNER, R L — CONTRACT NR. AF 19(604)-8059
PROJ/TASK NR. 4600-46313

AFCRL-934
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
INVESTIGATION OF DEPENDENCE OF MICROWAVE HARMONIC GENERATION UPON NONLINEARITIES IN FERRIMAGNETIC MATERIALS, SEPTEMBER 15, 1961.
BY HILL, R. M. — DDC NR.
HERRMANN, G. F. — CONTRACT NR. AF 19(604)-551
BERGMAN, R. S. — PROJ/TASK NR. 4608-46087

AFCRL-935
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES. PERIOD COVERING JULY 1, 1961 - SEPTEMBER 30, 1961, OCTOBER 11, 1961.
BY POLANYI, T G — DDC NR.
CONTRACT NR. AF 19(604)-7286
PROJ/TASK NR. 4619-46190

AFCRL-936
MOTOROLA SEMICONDUCTOR PRODUCTS, INC.
RESEARCH AND DEVELOPMENT FOR NON-DENDRITIC RIBBON CRYSTAL GROWTH, SEPTEMBER 14, 1961.
BY NORMAN, H W — DDC NR.
FORNEY, M F — CONTRACT NR. AF 19(604)-8351
PROJ/TASK NR. 4608-46088

AFCRL-937
AVCO EVERETT RESEARCH LAB.
RADIATION FROM THE NON-EQUILIBRIUM SHOCK FRONT, OCTOBER 1961.
BY TEARE, J D — DDC NR. 266918
GEORGIEV, S — CONTRACT NR. AF 19(604)-7458
ALLEN, R A — PROJ/TASK NR. 5561-46308

AFCRL-938
AVCO-EVERETT RESEARCH LABORATORY
ESCAPE-VELOCITY SHOCK TUBE WITH ARC-HEATED DRIVER, MARCH 21 1962.
PRESENTED AT SECOND NATIONAL SYMPOSIUM ON HYPERVELOCITY TECHNIQUES, DENVER COLORADO, MARCH 20-21, 1962
BY CAMM, J C — DDC NR.
CONTRACT NR. AF 19(604)-7458
PROJ/TASK NR. 5561-46308

AFCRL-939
ROCKETDYNE
<U> INVESTIGATION OF THE MODULATORY CHARACTERISTICS OF ROCKET EXHAUST FLAMES, FINAL REPORT, OCTOBER 1961. SECRET
BY NEWTON, J F — DDC NR.
CONTRACT NR. AF 19(604)-7336
PROJ/TASK NR. 4649

AFCRL-940
STANFORD RESEARCH INSTITUTE
STUDY OF THE EFFECTS OF ENVIRONMENTAL CONDITIONS ON THE BREAKDOWN OF ANTENNAS AT LOW PRESSURES ON A SUPERSONIC VEHICLE, SEPTEMBER 1961.
BY CHOWN, J. B. — DDC NR. 267163
KEENAN, M. G. — CONTRACT NR. AF 19(604)-5489
PROJ/TASK NR. 4600-46008

AFCRL-941
MICHIGAN, UNIVERSITY OF
<U> VLF SCATTERING FROM A MISSILE TRAIL, OCTOBER 1961. SECRET
BY CHU, C M — DDC NR.
LARUE, J J — CONTRACT NR. AF 19(604)-7257
MILLER, E K — PROJ/TASK NR. 4649-46491
WREN, A W

AFCRL-942
AVCO-EVERETT RESERCH LABORATORY
HIGH SPEED INFRARED BOLOMETER, MARCH 1962.
BY CAMAC, M — DDC NR.
FEINBERG, R — CONTRACT NR. AF 19(604)-7458
PROJ/TASK NR. 5561-46308

AFCRL-943
STANFORD RESEARCH INSTITUTE
PATTERN MEASUREMENTS ON AN EXPERIMENTAL COMPOUND INTERFEROMETER ANTENNA, OCTOBER 1961.
BY GABRIEL, W F — DDC NR. 268180
CONTRACT NR. AF 19(604)-8059
PROJ/TASK NR. 4600-46313

AFCRL-944
HRB-SINGER, INC.
HUMAN ENGINEERING ANALYSIS OF THE AUGMENTED FOUR-WHEELS SYSTEM, OCTOBER 1, 1961.
BY GATES, S H — DDC NR.
GRANT, G — CONTRACT NR. AF 19(604)-7990
KING, R B — PROJ/TASK NR. 2124

AFCRL-945
GENERAL ELECTRIC COMPANY
OPERATIONS RESEARCH ON RECOGNITION, THE GENERALIZED SEARCH PROCESS NOVEMBER 1961.
BY TURNER, R D — DDC NR.
CONTRACT NR. AF 19(604)-6103
PROJ/TASK NR. 4691-46910

AFCRL-946
LIGHTNING & TRANSIENTS RESEARCH INSTITUTE
ARTIFICIAL ATMOSPHERICS GENERATION-II.
BY NEWMAN, M. M. — DDC NR.
CONTRACT NR. AF 19(604)-2421
PROJ/TASK NR. 4662

AFCRL-947
KANSAS STATE UNIVERSITY
THE PREPARATION AND PROPERTIES OF THIN FILMS OF SEMICONDUCTORS SEPTEMBER 1, 1961 .
BY DALE, E B — DDC NR.
CONTRACT NR. AF 19(604)-7218
PROJ/TASK NR. 5621-56210

AFCRL-948
ENGINEERING SUPERVISION COMAPNY
INVESTIGATION OF STRESS DISTRIBUTION AND STRENGTH CHARACTERISTICS OF LOAD MAGNIFICATION ANVILS FOR ULTRA HIGH PRESSURE APPARATUS, SEPTEMBER 30, 1961.
BY — DDC NR. 266867
CONTRACT NR. AF 19(604)-7438
PROJ/TASK NR. 5620-56202

AFCRL-949
BROWN UNIVERSITY
EQUIVALENT CIRCUIT PARAMETER FOR AN INHOMOGENEOUS BIFURCATED WAVEGUIDE, SEPTEMBER 1961.
BY CRONSON, H. M. — DDC NR.
CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5635-56351

AFCRL-950
AVCO CORPORATION
RECEPTION OF WWV IN ARCTIC DURING IONOSPHERIC DISTURBANCE OCTOBER 1961.
BY HILL, G. E. — DDC NR.
CONTRACT NR. AF 19(604)-4092
PROJ/TASK NR. 4603-46035

AFCRL-951
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
COMPLETENESS THEOREMS FOR THE SUBORDINATE PROOF FORMULATIONS OF THE PROPOSITIONAL AND PREDICATE CALCULI, NOVEMBER 1961.
BY RESNIK, M K — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56325

AFCRL-952
CENTRO DI STUDIO PER LA FISICA DELLE FLORENCE, ITALY
THE VOLUME DENSITY OF RADAR ECHOES FROM METEOR TRAILS, IN THE CASE OF UNIFORM DISTRIBUTION OF THE HELIOCENTRIC RADIANTS, JULY 1961.
BY CARRARA, N — DDC NR.
CHECCACCI, P F — CONTRACT NR. AF 61(052)-477
RONCHI, L — PROJ/TASK NR. 5631-56312
TASSINARIO, G

AFCRL-953
LABORATORY FOR ELECTRONICS, INC.
INVESTIGATION OF MAGNETOHYDRODYNAMIC INTERACTION IN THE LOWER IONOSPHERE, JULY 1, 1960- JUNE 30, 1961
BY LANZA, G — DDC NR.
FEUERSTEIN, E — CONTRACT NR. AF 19(604)-7401
PROJ/TASK NR. 5561-46305

AFCRL-955
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS,
BY ROHRBAUGH, J. H. — DDC NR.
CONTRACT NR. AF 19(604)-2673
PROJ/TASK NR. 5621-56316

AFCRL-956
NEW HAMPSHIRE, UNIVERSITY OF
RESEARCH IN SATELLITE TRACKING TECHNIQUES AND THE DEVELOPMENT OF AN INTEGRAL PARAMETRIC AMPLIFIER ANTENNA, SEPTEMBER 30, 1961.
BY FROST, A. D. — DDC NR.
CONTRACT NR. AF 19(604)-3892
PROJ/TASK NR. 4600-46019

AFCRL-957
MOTOROLA, INC.
RESEARCH AND DEVELOPMENT FOR SURFACE PROTECTION FOR SILICON DEVICES, OCTOBER 1961.
BY GNAEDINGER, JR., R J — DDC NR.
COOPER, H W — CONTRACT NR. AF 19(604)-8358
FLASCHEN, S S — PROJ/TASK NR. 4608-46088

AFCRL-958
RONSON METALS CORPORATION
MATERIALS FOR AND THE MECHANISM OF GETTERING MULTIPLE COMPONENT GASES, OCTOBER 13, 1961.
BY DOUCETTE, F I — DDC NR.
CONTRACT NR. AF 19(604)-8430
PROJ/TASK NR. 4619-46190

AFCRL-959
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
THEORETICAL PERFORMANCE BOUNDS FOR VARIABLE DATA RATE TRANSMISSION ON FADING CIRCUITS, NOVEMBER 1961.
BY PIERCE, J N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4610-46105

AFCRL-961
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A CERAMIC GRID FOR HIGH POWER ELECTRON TUBES, NOVEMBER 1961
BY MATTHEWSON, A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4619-46190

AFCRL-962
RAYTHEON COMAPNY
MICROWAVE LOSSES IN STRONTIUM TITANATE ABOVE THE PHASE TRANSITION, NOVEMBER 1961.
BY RUPPRECHT, G — DDC NR.
BELL, R O — CONTRACT NR. AF 19(604)-8005
PROJ/TASK NR. 4600-46016

AFCRL-963<I>
VITRO LABORATORIES
<U> STUDY OF INTENT CRITERIA. FINAL REPORT, PART I, NOVEMBER 14, 1961. SECRET
BY BLOOD, R M — DDC NR.
WERTHEIMER, F — CONTRACT NR. AF 19<604>-6626
PROJ/TASK NR. 4691-46911

AFCRL-964
NORTHEASTERN UNIVERSITY
CIRCUIT APPLICATION OF TUNNEL DIODES, OCTOBER 31, 1961.
BY KING, W F — DDC NR.
SCOTT, R E — CONTRACT NR. AF 19<604>-7271
PROJ/TASK NR. 5621-56211

AFCRL-965
GILFILLAN BROTHERS, INC.
INVESTIGATION OF DIGITAL /HYBRID ATC AIDS FOR MOBILE RAPCON CONTROLLERS, NOVEMBER 6, 1961.
BY FRITCH, V J — DDC NR.
JUBB, J R — CONTRACT NR. AF 19<604>-8363
KAISER, R L — PROJ/TASK NR. 2124-46518
UDALOV, S P

AFCRL-966
NEW YORK UNIVERSITY
ANALYSIS OF FIVE MODULATION TECHNIQUES FOR CASCADED BINARY COMMUNICATION LINKS PERTURBED BY ADDITIVE GAUSSIAN NOISE AND RAYLEIGH FADING, NOVEMBER 6, 1961.
BY GOLDMAN, H D — DDC NR.
SOMMER, R C — CONTRACT NR. AF 19<604>-6168
PROJ/TASK NR. 4610-46104

AFCRL-967
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
USEFUL PROPERTIES OF THE MAJORITY BINOMIAL PROBABILITY FUNCTION, NOVEMBER 1961.
BY BUCHANAN, R L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4608

AFCRL-969
AVCO CORPORATION
MEDIUM-FREQUENCY GROUNDWAVE COMMUNICATION OVER LARGE DISTANCES DURING AURORAL AND MANMADE BLACKOUT, OCTOBER 1961.
BY HERMAN, J. R. — DDC NR.
CONTRACT NR. AF 19<604>-4092
PROJ/TASK NR. 4603-46035

AFCRL-970
REMINGTON RAND UNIVAC
THE PREPARATION AND CHARACTERISTICS OF THIN FERROMAGNETIC FILMS, NOVEMBER 1961.
BY MATHIAS, J. S. — DDC NR.
FREITAG, W. — CONTRACT NR. AF 19<604>-4978
KRIESSMAN, C. J. — PROJ/TASK NR. 5633-56332

AFCRL-971
CASE INSTITUTE OF TECHNOLOGY
SURFACE CURRENT MEASUREMENTS WITH AN ELECTRIC PROBE, BY OCTOBER 18, 1961.
BY PLONSEY, R. — DDC NR.
CONTRACT NR. AF 19<604>-3887
PROJ/TASK NR. 5635-56351

AFCRL-972
CASE INSTITUTE OF TECHNOLOGY
QUARTERLY PROGRESS REPORT, PERIOD COVERING JULY 1, 1961 TO SEPTEMBER 30, 1961, BY THE CASE PROJECT STAFF.
BY — DDC NR.
CONTRACT NR. AF 19<604>-3887
PROJ/TASK NR. 5635-56351

AFCRL-973
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH OCTOBER 31, 1961.
BY BLANC, J — DDC NR.
BUBE, R H — CONTRACT NR. AF 19<604>-6152
GOLDSTEIN, B — PROJ/TASK NR. 4608-46088
LIEBMANN, W K
RICHMAN, D
WISBERG, L R

AFCRL-974
RADIO CORPORATION OF AMERICA
REDUNDANCY IN UNIPOLAR TRANSISTOR CIRCUITS, NOVEMBER 1 1961
BY WALLMARK, J T — DDC NR.
REVESZ, A G — CONTRACT NR. AF 19<604>-8040
PROJ/TASK NR. 5633-56332

AFCRL-975
EITEL-MCCULLOUGH, INC.
PULSE HEATING OF MATERIALS BY HIGHLY CONCENTRATED ELECTRON BEAMS, OCTOBER 1961.
BY HEIL, O — DDC NR.
VOGEL, S — CONTRACT NR. AF 19<604>-8810
PROJ/TASK NR. 4619-46190

AFCRL-976
PLANNING RESEARCH CORPORATION
CONSIDERATION OF STATE-OF-THE-ART OF DISPLAY EQUIPMENT FOR USE IN A TEAS SIMULATION RESEARCH FACILITY, OCTOBER 30, 1961.
BY FOX, R K — DDC NR.
CONTRACT NR. AF 19<604>-7351
PROJ/TASK NR. 4690-46902

AFCRL-977
LOCKHEED ELECTRONICS COMPANY
RESEARCH DIRECTED TOWARD DESIGN AND DEVELOPMENT OF EXPERIMENTAL DATA PROCESSING EQUIPMENT NOVEMBER 1961.
BY — DDC NR.
CONTRACT NR. AF 19<604>-6104
PROJ/TASK NR. 4690-46902

AFCRL-978
GEOPHYSICS CORPORATION OF AMERICA
PLASMA REACTION STUDIES, DECEMBER 5, 1961.
BY NAWROCKI, P J — DDC NR.
PAPA, R — CONTRACT NR. AF 19<604>-7405
PROJ/TASK NR. 5561-46035

AFCRL-979
RADIO CORPORATION OF AMERICA
INVESTIGATION OF CARRIER INJECTION ELECTROLUMINESCENCE NOVEMBER 15, 1961.
BY FISCHER, A G — DDC NR.
MASON, A S — CONTRACT NR. AF 19<604>-8018
PROJ/TASK NR. 4608-46088

AFCRL-980<A>
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, OCTOBER 24, 1961.
BY HALL, R N — DDC NR.
CONTRACT NR. AF 19<604>-6623
PROJ/TASK NR. 4608-46088

AFCRL-980<B>
GENERAL ELECTRIC COMPANY
APPLICATION OF TUNNELING TO ACTIVE DIODES, OCTOBER 30, 1961
BY HOLONYAK, JR., N — DDC NR.
JILLSON, D C — CONTRACT NR. AF 19<604>-6623
BEVACQUA, S F — PROJ/TASK NR. 4608-46088

AFCRL-981
SINDEL S.P.A.
PROPAGATION CHARACTERISTICS OF A MAGNETO-IONIC DUCT, MAY 1, 1, 1961.
BY FORMATO, I D — DDC NR. 268504
GILARDINI, I A — CONTRACT NR. AF 61<052>-145
PROJ/TASK NR. 5630

AFCRL-982
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE
FLORENCE, ITALY
DIFFRACTION OF AN EVANESCENT WAVE BY A METAL-STRIP GRATING, EXPERIMENTAL RESULTS, JULY 1961.
BY RUSSO, V — DDC NR.
TASSINARIO, G — CONTRACT NR.
DI FRANCIA, G T — PROJ/TASK NR. 9760

AFCRL-983
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ON TWO MATRIX SYSTEMS DERIVED FROM A POLYNOMIAL OF EVEN ORDER WITH REAL COEFFICIENTS, DECEMBER 1961.
BY HAASE, K H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56323

AFCRL-984
SINDEL, S.P.A.
MICROWAVE DETERMINATION OF AFTERGLOW TEMPERATURES AND ELECTRON COLLISION FREQUENCIES IN NITROGEN AND OXYGEN, APRIL 30, 1961.
BY FORMATO, I D — DDC NR. 268506
GILARDINI, I A — CONTRACT NR. AF 61<052>-39
PROJ/TASK NR. 5633-56330

AFCRL-985
NORTH AMERICAN AVIATION, INC.
<U> INVESTIGATION OF THE EFFECTS OF ADVANCED AIRCRAFT DESIGN UPON THE EMS CONCEPT . OPERATIONS ANALYSIS, AUGUST 15, 1961. SECRET
BY — DDC NR.
CONTRACT NR. AF 19<604>-8025
PROJ/TASK NR. 2124-46227

AFCRL-986
OXFORD, UNIVERSITY OF
E .S. R IN THE LANTHANON HEX-ANTIPYRENE IODIDES, JUNE 1961.
BY BAKER, J M — DDC NR. 271743
RUBINS, R S — CONTRACT NR. AF 61<052>-125
PROJ/TASK NR. 5620-56203

AFCRL-987
OXFORD UNIVERSITY OF
MAGNETIC PROPERTIES OF SOME RARE EARTH IONS IN GARNETS SEPTEMBER 1961.
BY WOLF, W P — DDC NR.
BALL, M — CONTRACT NR. AF 61<052>-125
HUTCHINGS, M T — PROJ/TASK NR. 5620-56203
LEASK, M J M
WYATT, A F G

AFCRL-988
LABORATOIRE DE PHYSIQUE DE 1-ECOLE NORMALE SUPERIEURE <FRANCE>
IMPACK IONIZATION IN ZINC-DOPED GERMANIUM AT LOW TEMPERATURES <1961>
BY ZYLBERSZTEJN, A — DDC NR.
CONTRACT NR. AF 61<052>-403
PROJ/TASK NR. 4619-46190

AFCRL-989
TENNESSEE, UNIVERSITY OF
ELECTRONIC SCANNING OF CIRCULAR ANTENNA ARRAYS, DECEMBER 1, 1961.
BY NEFF, H. P. — DDC NR.
STEPHENS, D. R. — CONTRACT NR. AF 19<604>-4967
TILLMAN, J. D. — PROJ/TASK NR. 4600-46015

AFCRL-990
RHODE ISLAND, UNIVERSITY OF
EXTREMELY LOW FREQUENCY RECEPTION AT KINGSTON, RHODE ISLAND NOVEMBER 15, 1961.
BY FITCHEN, F — DDC NR.
POLJ, C — CONTRACT NR. AF 19<604>-7252
PROJ/TASK NR. 4603-46139

AFCRL-991
RHODE ISLAND, UNIVERSITY OF
A MATHEMATICAL ANALYSIS OF A SURFACE WAVE ANTENNA OF FINITE LENGTH, NOVEMBER 1961.
BY KANE, J — DDC NR. — CONTRACT NR. AF 19(604)-7983 — PROJ/TASK NR. 5635-56351

AFCRL-992
NATIONAL BUREAU OF STANDARDS
REFLECTION OF ELECTROMAGNETIC WAVES FROM INHOMOGENEOUS MEDIA WITH SPECIAL PROFILES, NOVEMBER 15, 1961.
BY WAIT, J R — DDC NR. — CONTRACT NR. PRO-61-568 — PROJ/TASK NR. 5635-56350

AFCRL-993
NATIONAL BUREAU OF STANDARDS
APPROXIMATE METHODS FOR TREATING REFLECTIONS FROM INHOMOGENEOUS MEDIA, NOVEMBER 15, 1961.
BY WAIT, J R — DDC NR. — CONTRACT NR. PRO-61-658 — PROJ/TASK NR. 5635-56350

AFCRL-994
NATIONAL BUREAU OF STANDARDS
EVALUATION OF CONVOLUTION INTEGRALS OCCURRING IN THE THEORY OF MIXED PATH PROPAGATION, OCTOBER 15, 1961.
BY JOHLER, J R; LILLEY, C M — DDC NR. — CONTRACT NR. PRO-61-568 — PROJ/TASK NR. 5635-56350

AFCRL-995
NATIONAL BUREAU OF STANDARDS
EFFECTIVE IMPEDANCE OF A WIRE GRID PARALLEL TO THE EARTH-S SURFACE, DECEMBER 1, 1961.
REPR, FR, IRE TRANSACTIONS ON ANTENNAS AND PROPAGATION, VOL, AP-10, NO, 5, SEPTEMBER 1962
BY WAIT, J R — DDC NR. — CONTRACT NR. PRO-61-568 — PROJ/TASK NR. 5635-56350

AFCRL-996
AVCO-EVERETT RESEARCH LAB.
<CLASSIFIED TITLE>, OCTOBER 1961, SECRET
BY LIN, S C; KANTROWITZ, A R — DDC NR. — CONTRACT NR. AF 19(604)-7458 — PROJ/TASK NR. 5561-46308

AFCRL-998
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
TATICAL DECISION MAKING II, THE EFFECTS OF TRACK LOAD ON DAMAGE, COST AND KILLS, NOVEMBER 1961.
BY CONNOLLY, D W; MCGOLDRICK, C C; FOX, W R — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4690

AFCRL-1009
BIRMINGHAM, UNIVERSITY OF
RESEARCH ON IONISATION CHARACTERISTICS OF EASILY IONISABLE CHEMICALS, AUGUST 1, 1961.
BY BATEY, P H; COURT, G R; SAYER, J — DDC NR. — CONTRACT NR. AF 61(052)-269 — PROJ/TASK NR. 6695-66950

AFCRL-1010
KAISER FOUNDATION RESEARCH INST.
STUDY OF PIGMENT SYSTEMS OF PHOTOSYNTHETIC ORGANISMS, FINAL REPORT NO. 1, JUNE 14, 1961.
BY ALLEN, M B — DDC NR. 268829 — CONTRACT NR. AF 19(604)-6636 — PROJ/TASK NR. 6694

AFCRL-1011
TEXAS, UNIVERSITY OF
TOTAL ATTENUATION, SCATTERING, AND ABSORPTION CROSS SECTIONS OF WATER DROPS FOR INFRARED RADIATION, AUGUST 31, 1961.
BY STEPHENS, J J — DDC NR. 264810 — CONTRACT NR. AF 19(604)-7279 — PROJ/TASK NR. 7655

AFCRL-1012
ALASKA, UNIVERSITY OF
ASYMMETRY OF DST VARIATIONS OF GEOMAGNETIC STORMS WITH RESPECT TO THE GEOMAGNETIC EQUATOR, AUGUST 1961.
BY SUGIURA, M. — DDC NR. 266517 — CONTRACT NR. AF 19(604)-2163 — PROJ/TASK NR. 8601

AFCRL-1013
ALASKA, UNIVERSITY OF
A NOTE ON THE DS VARIATION OF GEOMAGNETIC STORMS A CRITICAL EXAMINATION OF METHOD OF ANALYSIS, SEPTEMBER 1961.
BY SUGIURA, M. — DDC NR. 266917 — CONTRACT NR. AF 19(604)-2163 — PROJ/TASK NR. 8601

AFCRL-1014
TEXAS INSTURMENTS INCORPORATED
THE DETECTION OF SUBSURFACE VOIDS BY GRAVIMETRY SEPTEMBER 20, 1961.
BY ROMBERG, F E — DDC NR. — CONTRACT NR. AF 19(604)-8348 — PROJ/TASK NR. 8607-86076

AFCRL-1015
MARYLAND, UNIVERSITY OF
ENERGY DISSIPATION OF SPIRALING PARTICLES IN THE POLAR ATMOSPHERE, JUNE 1961.
BY SINGER, S. F. — DDC NR. 265005 — CONTRACT NR. AF 19(604)-3861 — PROJ/TASK NR. 8605

AFCRL-1016
QUEEN-S UNIVERSITY, BELFAST
EXCITATION OF HELIUM TO THE <1S, 2P> 1P AND <1S, 3P>1P STATES BY PROTON AND ALPHA PARTICLE IMPACT, <1961>
BY BELL, R J — DDC NR. 271747 — CONTRACT NR. AF 61(052)-131 — PROJ/TASK NR. 7635

AFCRL-1017
STANFORD RESEARCH INSTITUTE
THERMALLY DRIVEN, AXIALLY SYMMETRIC CIRCULATIONS OF A PLANETARY ATMOSPHERE, A DYNAMICAL-NUMERICAL EXPERIMENT, SEPTEMBER 1961.
BY HALL, M. M. — DDC NR. 266666 — CONTRACT NR. AF 19(604)-5965 — PROJ/TASK NR. 6698

AFCRL-1018
MICHIGAN UNIVERSITY OF
<U> BALLISTIC MISSILE RADIATION ANALYSIS CENTER FOR THE INTERSERVICE RADIATION MEASUREMENT PROGRAM 59/60, OCTOBER 1961, SECRET
BY ZISSIS, G J — DDC NR. — CONTRACT NR. AF 19(604)-7350 — PROJ/TASK NR. 4904

AFCRL-1019
STANFORD RESEARCH INSTITUTE
A METHOD FOR THE DETERMINATION OF LOWER IONOSPHERE PROPERTIES BY MEANS OF FIELD MEASUREMENTS ON SFERICS AUGUST 1961.
BY HARRIS, JR., F B — DDC NR. 266170 — CONTRACT NR. AF 19(604)-7369 — PROJ/TASK NR. 8653-86533

AFCRL-1020
NEW YORK UNIVERSITY
A RE-EXAMINATION OF THE HEAT BUDGET OF THE TROPOSPHERE AND LOWER STRATOSPHERE, OCTOBER 1961.
BY DAVIS, P A — DDC NR. — CONTRACT NR. AF 19(604)-6146 — PROJ/TASK NR. 8645-86453

AFCRL-1022
UTAH, UNIVERSITY OF
AN UPWARD PULSE DELAY SYSTEM FOR MEASURING ELECTRON DENSITIES OF THE IONOSPHERE, DECEMBER 19, 1961.
BY WATSON, R E. — DDC NR. — CONTRACT NR. AF 19(604)-2227 — PROJ/TASK NR. 7663

AFCRL-1026
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
INVESTIGATIONS OF ICE-FREE SITES FOR AIRCRAFT LANDINGS IN EAST GREENLAND, SEPTEMBER 1961
BY HARTSHORN, J H; STOERTZ, G E; KOVER, A N; DAVIS, S N — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7628-76284

AFCRL-1028
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DIFFUSION OF A PLASMA ACROSS A MAGNETIC FIELD JULY 1961.
BY FINN, R. S. — DDC NR. — CONTRACT NR. AF 19(604)-4551 — PROJ/TASK NR. 8608-86081

AFCRL-1029
ALASKA, UNIVERSITY OF
A STUDY OF THE MORPHOLOGY OF GEOMAGNETIC STORMS, OCTOBER 1961.
BY SUGIURA, M. — DDC NR. 266916 — CONTRACT NR. AF 19(604)-2163 — PROJ/TASK NR. 8601

AFCRL-1031
HAWAII, UNIVERSITY OF
THE SEA BREEZE AS A FUNCTION OF THE PREVAILING SYNOPTIC SITUATION, OCTOBER 1961.
BY ESTOQUE, M A — DDC NR. — CONTRACT NR. AF 19(604)-7484 — PROJ/TASK NR. 8604-860401

AFCRL-1032
COLORADO, UNIVERSITY OF
THE GENERAL SOLUTION OF THE STATISTICAL EQUILIBRIUM EQUATIONS, NOVEMBER 27, 1961.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 134, NO. 1, JULY 1961
BY WHITE, O. R. — DDC NR. — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

AFCRL-1033
COLORADO UNIVERSITY OF
NEW THEORY OF THE AURORA POLARIS, BY NOVEMBER 27, 1961.
REPRINTED FROM ARS JOURNAL, JUNE 1961
BY AKASOFU S. I. — DDC NR. — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

AFCRL-1034
COLORADO, UNIVERSITY OF
AN IDEALIZED PROBLEM OF PLASMA DYNAMICS THAT BEARS ON GEOMAGNETIC STORM THEORY OBLIQUE PROJECTION, NOVEMBER 27, 1961.
REPRINTED FROM JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS, 1961, VOL. 22, PP. 142 TO 156
BY CHAPMAN, S.; KENDALL, P. C. — DDC NR. — CONTRACT NR. AF 19(604)-2140 — PROJ/TASK NR. 7649

AFCRL-1035
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
DEVELOPMENT OF THE DIRECT AND THE INDIRECT EFFECT OF THE TOPOGRAPHIC-ISOSTATIC REDUCTION IN ZONAL HARMONICS UP TO THIRD AND SIXTH DEGREE, NOVEMBER 1961.
BY KIVIOJA, L A — DDC NR. — CONTRACT NR. AF 19(604)-6201 — PROJ/TASK NR. 7600-76002

AFCRL-1036
COLORADO, UNIVERSITY OF
SUN STORMS AND THE EARTH THE AURORA POLARIS AND THE SPACE AROUND THE EARTH, NOVEMBER 27, 1961.
REPRINTED FROM AMERICAN SCIENTIST, VOL. 49, NO. 3, SEPTEMBER 1961
BY CHAPMAN, S.
DDC NR.
CONTRACT NR. AF 19<604>-2140
PROJ/TASK NR. 7649

AFCRL-1037
NEW YORK UNIVERSITY
SATELLITE OBSERVATIONS OF INFRARED RADIATION, OCTOBER 1961.
BY LONDON, J.
OOYAMA, K.
VIEBROCK, H.
DDC NR. 267987
CONTRACT NR. AF 19<604>-5955
PROJ/TASK NR. 4982

AFCRL-1038
MARYLAND, UNIVERSITY OF
DENSITY OF A NEUTRAL EXOSPHERE DERIVED FROM THE BOLTZMANN EQUATION, OCTOBER 1961.
BY FIRICH M.
SINGER, S. F.
DDC NR.
CONTRACT NR. AF 19<604>-3861
PROJ/TASK NR. 8605-86050

AFCRL-1039
GEOPHYSICS CORPORATION OF AMERICA
A SURVEY OF CHEMILUMINESCENT REACTIONS IMPORTANT FOR MISSILE TRAILS, NOVEMBER 1, 1961
BY TANK, W
DDC NR. 266521
CONTRACT NR. AF 19<628>-231
PROJ/TASK NR. 5842

AFCRL-1040
FLORIDA STATE UNIVERSITY
THE STRATOSPHERIC WARMING OVER NORTH AMERICA IN 1957, III. HEIGHT, TEMPERATURE, VORTICITY, AND VERTICAL MOTION AT THE 25-MB SURFACE, OCTOBER 1, 1961.
BY CRAIG, R. A.
LATEEF, M. A.
DDC NR.
CONTRACT NR. AF 19<604>-5471
PROJ/TASK NR. 8628-86453

AFCRL-1041
GENERAL DYNAMICS
HIGH TEMPERATURE INFRARED EMISSION AND ABSORPTION STUDIES, SEPTEMBER 14, 1961.
BY
DDC NR.
CONTRACT NR. AF 19<604>-5554
PROJ/TASK NR. 5043

AFCRL-1044
AVCO CORPORATION
RESEARCH ON AEROSOL SCATTERIN IN THE INFRARED, ATLAS OF SCATTERING DIAGRAMS FOR N= 1.33, OCTOBER 1961.
BY PENNDORF, R. B.
DDC NR. 267348
CONTRACT NR. AF 19<604>-5743
PROJ/TASK NR. 7670-76794

AFCRL-1045
BERGEN UNIVERSITY OF
ON THE APPLICATION OF ASYMPTOTIC EXPANSIONS TO THE STUDY OF SHEAR-FLOW TURBULENCE 1961.
BY BJORUM, O
DDC NR.
CONTRACT NR. AF 61<052>-275
PROJ/TASK NR. 8604

AFCRL-1046
COLORADO, UNIVERSITY OF
OPTICAL BEHAVIOR OF FILMS FOR RADIATION IN THE EXTREME ULTRAVIOLET, AUGUST 1961.
BY COLE, T. T.
OPPENHEIMER, F.
RENSE, W. A.
DDC NR.
CONTRACT NR. AF 19<604>-5533
PROJ/TASK NR. 6688-66880

AFCRL-1047
COLORADO, UNIVERSITY OF
DISPERSION THEORY FOR METALS IN THE FAR ULTRAVIOLET, NOVEMBER 1961.
BY .LEONARD, JR. E. J.
DDC NR.
CONTRACT NR. AF 19<604>-5533
PROJ/TASK NR. 6688-66880

AFCRL-1049
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
MICROMETEORITE COLLECTION FROM A RECOVERABLE SOUNDING ROCKET, NOVEMBER 1961.
BY SOBERMAN, R K
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6694-669407

AFCRL-1050
NEW YORK UNIVERSITY
A NUMERICAL EXPERIMENT ON MODELLING THE BEHAVIOR OF FOG AND STRATUS, OCTOBER 161.
BY FISHER, E L
DDC NR.
CONTRACT NR. AF 19<604>-6651
PROJ/TASK NR. 8641-86411

AFCRL-1052
RHODE ISLAND, UNIVERSITY OF
THE PROPAGATION OF RAYLEIGH WAVES PAST A FLUID-LOADED BOUNDARY, NOVEMBER 1961.
BY KANE, J
DDC NR.
CONTRACT NR. AF 19<604>-7470
PROJ/TASK NR. 7639-763901

AFCRL-1053
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
MICROMETEORITE MEASURFMENTS FROM THE MIDAS II SATELLITE <1960 1> NOVEMBER 1961
BY SOBERMAN, R K
DELLA LUCCA, L
DDC NR. 268556
CONTRACT NR.
PROJ/TASK NR. 7667-76046

AFCRL-1056
NEW HAMPSHIRE, UNIVERSITY OF
INSTRUMENTATION FOR THE AUTOMATIC DOPPLER TRACKING OF EARTH SATELLITE RADIO SIGNALS, JULY 1961.
BY MARSHALL, A. C.
HOUSTON, R. E.
DDC NR.
CONTRACT NR. AF 19<604>-4145
PROJ/TASK NR. 7663

AFCRL-1061
HAWAII, UNIVERSITY OF
CLOUD PATTERNS IN A TROPICAL CYCLONE IN THE ARABIAN SEA VIEWED BY TIROS I METEOROLOGICAL SATELLITE, NOVEMBER 1961
BY KOTESWARAM, P
DDC NR.
CONTRACT NR. AF 19<604>-6156
PROJ/TASK NR. 6698-66982

AFCRL-1062<I>
QUEEN-S UNIVERSITY, BELFAST
RESEARCH ON PHYSICS OF THE UPPER ATMOSPHERE, PART I, JUNE 30, 1961.
BY BATES, D R
DALGARNO, A
JARRETT, A H
MOISEIWITSCH, B L
MCCARROLL, R
STEWART, A L
DDC NR. 271648
CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

AFCRL-1062 II
QUEEN-S UNIVERSITY, BELFAST
RESEARCH ON PHYSICS OF THE UPPER ATMOSPHERE, PART II, JUNE 30, 1961.
BY BATES, D R
DALGARNO, A
JARRETT, A H
MOISEIWITSCH, B L
MCCARROLL, R
STEWART, A L
DDC NR. 271748
CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

AFCRL-1063
ALASKA, UNIVERSITY OF
EVIDENCE OF LOW FREQUENCY HYDROMAGNETIC WAVES IN THE EXOSPHERE, DECEMBER 1961.
REPRINTED FROM JOURNAL OF GEOPHYSICAL RESEARCH VOL. 66, NO. 12, DECEMBER U961
BY SUGIURA, M
DDC NR.
CONTRACT NR. AF 19<604>-7988
PROJ/TASK NR. 8601-86014

AFCRL-1064
NEW MEXICO STATE UNIVERSITY RESEARCH CENTER
EVALUATION OF THE CLOUDCROFT, NEW MEXICO SITE FOR A UNITED STATES AIR FORCE PLANETARY OBSERVATORY, DECEMBER 1961
REVISED MARCH 19, 1962.
BY SMITH, B A
SALISBURY, J W
DDC NR.
CONTRACT NR. AF 19<604>-7443
PROJ/TASK NR. 8602

AFCRL-1065
OBSERVATOIRE DF PARIS-MEUDON, FRANCE
AFTERGLOW OF HIGH VIBRATION FIRST POSITIVE BANDS OF MOLECULAR NITROGEN. <1961>
BY HERMAN, R
HERMAN, L
DDC NR.
CONTRACT NR. AF 61<052>-17
PROJ/TASK NR. 7661-76614

AFCRL-1067
ST. LOUIS UNIVERSITY
THE RESPONSE CHARACTERISTICS OF THE LONG PERIOD SEISMOGRAPH OF THE SAINT LOUIS UNIVERSITY NETWORK, NOVEMBER 14, 1961.
REPRINTED FROM EQRTHQUAKE NOTES, VOL. XXXII, SEP. - DEC. 1961
BY NUTTLI, O
MCEVILLY, T V
DDC NR.
CONTRACT NR. AF 19<604>-7399
PROJ/TASK NR. 8652-865201

AFCRL-1069<I>
BOEING CO.
INFRARED SATELLITE BACKGROUNDS, PART I, ATMOSPHERIC RADIATIVE PROCESSES, SEPTEMBER 30, 1961.
BY MCDONALD, R K
BELL, J
METHENY, W
TANK, W
BARR, N M
HANSEN, E M
MAKULA, D
MANCUSO, R L
DDC NR.
CONTRACT NR. AF 19<604>-7457
PROJ/TASK NR. 5043

AFCRL-1069II
BOEING COMAPNY
<U> INFRARED SATELLITE BACKGROUNDS, PART II, BACKGROUNDS MEASUREMENTS EVALUATION, SEPTEMBER 60, 1961 SECRET
BY MCDONALD, R K
DDC NR.
CONTRACT NR. AF 19<604>-7457
PROJ/TASK NR. 5043

AFCRL-1070
WARNER & SWASEY COMPANY
METHODS FOR PREDICTING INFRARED RADIANCE OF FLAMES BY EXTRA POLATION FROM LABORATORY MEASUREMENTS OCTOBER 1961.
BY BABROV, H J
HENRY, P M
TOURIN, R H
DDC NR.
CONTRACT NR. AF 19<604>-6106
PROJ/TASK NR.

AFCRL-1071
WARNER & SWASEY COMPANY
INFRARED RADIATION OF FLAMES, FINAL REPORT OCTOBER 1961.
BY TOURIN, R H
BABROV, H J
PENZIAS, G J
DDC NR.
CONTRACT NR. AF 19<604>-6106
PROJ/TASK NR.

AFCRL-1075
STANFORD RESEARCH INSTITUTE
THE LARGE-SCALE PRESSURE-DRIVEN WIND FIELD, FINAL REPORT, NOVEMBER 1961.
BY HOLL, M M
DDC NR.
CONTRACT NR. AF 19 <604>-6646
PROJ/TASK NR. 8628-86282

AFCRL-1076
WASHINGTON, UNIVERSITY OF
A MODEL FOR PREDICTING PRECIPITATION AMOUNTS IN SEATTLE AND WESTERN WASHINGTON, JUNE 1961.
BY WILSON, J. W. DDC NR.
CONTRACT NR. AF 19<604>-5192
PROJ/TASK NR. 8641-86414

AFCRL-1077
LONDON, UNIVERSITY
THE DENSITY AND STRUCTURE OF HAILSTONES, DECEMBER 1961.
BY BROWNING, K A DDC NR.
LUDLAM, F H CONTRACT NR. AF 61<052>-254
MACKLIN, W C PROJ/TASK NR. 8620-86204

AFCRL-1078
BENDIX CORPORATION
THE APPLICATION OF THE SKYSCRAPER AIRBORNE RADIATION MEASURING SYSTEM TO THE MEASUREMENT OF SKY BACKGROUNDS DECEMBER 29, 1961.
BY GRABOSKE, JR., H C DDC NR.
PROSTAK, A CONTRACT NR. AF 19<604>-8460
PROJ/TASK NR. 4904-49042

AFCRL-1079
CONTROL EQUIPMENT CORPORATION
INSTRUMENTATION FOR USE IN THE STUDY OF EXTRA-TERRESTRIAL PARTICLES, FINAL REPORT NOVEMBER 1961.
BY ADAMS, H E DDC NR.
CONTRACT NR. AF 19<604>-7352
PROJ/TASK NR. 7667-76046

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DUBLIN INSTITUTE FOR ADVANCED STUDIES
TABLES AND GRAPHS FOR USE IN AEROSOL PHYSICS, PART I MOBILITY V. RADIUS AND VICE VERSA, JUNE 1961.
BY METNIEKS, A L DDC NR. 271661
POLLAK, L W CONTRACT NR. AF 61<052>-26
PROJ/TASK NR. 7690-76903

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QUEEN-S UNIVERSITY, BELFAST
AN ESTIMATE OF THE TEMPERATURE IN THE EXOSPHERE <1961>
BY BATES, D R DDC NR. 271749
PATTERSON, T N L CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

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QUEEN-S UNIVERSITY, BELFAST
THE CALCULATION OF POLARIZABILITIES AND SHIELDING FACTORS 1961
BY DALGARNO, A DDC NR. 272405
MCNAMEE, J M CONTRACT NR. AF 61<052>-131
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SHEFFIELD, UNIVERSITY OF
NANOSECOND LIGHT SOURCES, JUNE 1961.
BY PORTER, G DDC NR.
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BENDIX CORPORATION
SKYSCRAPER AIRBORNE INSTRUMENTATION SYSTEM LABORATORY TESTS DECEMBER 1, 1961.
BY HASELL, P DDC NR.
BLYTHE, R CONTRACT NR. AF 19<604>-6129
BENNING, F PROJ/TASK NR. 4904-49042
JOHNSTON, G
LEWIS, D
DRAKE, R
KUCERA, D
KISTLER, R
FLACK, R

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ST. LOUIS UNIVERSITY
S WAVE STUDIES OF EARTHQUAKES OF THE NORTH PACIFIC, PART I KAMCHATKA, DECEMBER 7, 1961.
BY STAUDER, W DDC NR.
CONTRACT NR. AF 19<604>-8054
PROJ/TASK NR. 8652-86520

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CALIFORNIA RESEARCH CORPORATION
SIGNAL-TO-NOISE RATIO AND SPECTRA OF EXPLOSION-GENERATED RAYLEIGH WAVES, SEPTEMBER 15, 1961.
BY SHERWOOD, J W C DDC NR.
SPENCER, T W CONTRACT NR. AF 19<604>-8344
PROJ/TASK NR. 8652-86525

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WEIZMANN INSTITUTE OF SCIENCE
HIGH ENERGY INTERACTIONS OF COSMIC RAY PARTICLES NUCLEAR EVENTS INDUCED BY HEAVY PRIMARIES AND THEORY OF MESON PRODUCTION IN HIGH ENERGY COLLISIONS, SEPTEMBER 30, 1961.
BY YEKUTIELI, G DDC NR.
CONTRACT NR. AF 61<052>-371
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INSTITUT NATIONAL DES SCIENCES APPLIQUEES
RESONANT CAVITY FOR EXCITATION AND DISSOCIATION OF GASES IN FLOW SYSTEM, SEPTEMBER 20, 1961.
BY PEYRON, M DDC NR. 271739
CONTRACT NR. AF 61<052>-497
PROJ/TASK NR. 6694

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SPECTROSCOPIC STUDY OF THE H ATOMPHORUS ATOMIC FLAME SEPTEMBER 20, 1961.
BY PEYREON, M DDC NR. 271740
CONTRACT NR. AF 61<052>-497
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ISRAEL INSTITUTE OF TECHNOLOGY
AN ARRAY FOR THE INVESTIGATION OF COSMICRAY EXTENSIVE AIR SHOWERS, AUGUST 15, 1961.
BY GALIL, U DDC NR.
KASHA, M CONTRACT NR. AF 61<052>-196
OPHIR, D PROJ/TASK NR. 8600-86001
OREN, Y
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BY BOVILLE, B W DDC NR.
HARE, F K CONTRACT NR. AF 19<604>-8431
PROJ/TASK NR. 8628-862807

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VITRO LABORATORIES
A FLUID-TRANSPIRATION-ARC RADIATION SOURCE FOR SOLAR SIMULATION, FINAL REPORT DECEMBER 13, 1961.
BY CHAPPEL, R M DDC NR.
JAATINEN, W A CONTRACT NR. AF 19<604>-7241
BAER, J R PROJ/TASK NR. 6694-669405

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AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ACCURACY OF DENSITY FROM THE ROBIN FALLING SPHERE, DECEMBER 1961
BY LEVITON, R DDC NR.
WRIGHT, J B CONTRACT NR.
PROJ/TASK NR. 6670-66703

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ELECTROMAGNETIC RESEARCH CORPORATION
DETERMINATION OF IONOSPHERE PARAMETERS BY MEANS OF A SATELLITE ANTENNA-TYPE PROBE, FINAL REPORT NOVEMBER 30, 1961.
BY ZACHARY, W W DDC NR.
KATZIN, N CONTRACT NR. AF 19<604>-6656
YANG, K C PROJ/TASK NR. 4774
WOLFF, E A
WASHBURN, JR., A B

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AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
INFRARED ATMOSPHERIC TRANSMISSION SOME SOURCE PAPERS ON THE SOLAR SPECTRUM FROM 3 TO 15 MICRONS, DECEMBER 1961.
BY HOWARD, J. N. DDC NR.
GARING, J. S. CONTRACT NR.
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PASTORIZA ELECTRONICS, INC.
SATELLITE ORBIT SIMULATOR AND DISPLAY, OCTOBER 1961.
BY DDC NR.
CONTRACT NR. AF 19<604>-7478
PROJ/TASK NR. 1773-17730

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SATELLITE-TRACKING, DECEMBER 1961.
BY KERR, O E DDC NR.
KEARNS, W J CONTRACT NR.
MCILVENNA, J F PROJ/TASK NR. 4600-46019
REYNOLDS, G F
SHODIN, L F

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CALIFORNIA, UNIVERSITY OF
COULOMB COLLISIONS IN STRONG RF ELECTRIC FIELDS, AUGUST 24, 1961.
BY AUGUST, G. DDC NR.
CONTRACT NR. AF 19<604>-2270
PROJ/TASK NR. 5634-56342

AFCRL-1104
TASKER INSTRUMENTS CORPORATION
<U> STUDY OF METHODS FOR DERIVING HEIGHT INFORMATION ON AIRCRAFT, SUITABLE FOR USE WITH A FUTURE EMS SYSTEM NOVEMBER 30, 1961. SECRET
BY KLOTZ, E S DDC NR.
CONTRACT NR. AF 19<604>-8491
PROJ/TASK NR. 7124-46227

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RADIO CORPORATION OF AMERICA
SOME PROPERTIES OF THE SIO2-SI AND SIO-SI SYSTEMS UNDER CONDITIONS OBTAINED DURING DIFFUSION AND EPITAXIAL GROWTH SEPTEMBER 15, 1961.
BY STOKSTAD, R DDC NR.
CONTRACT NR. AF 19<604>-8040
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AFCRL-1107
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INVESTIGATION OF SQUARE-MESH, HEXAGONAL-MESH, AND TRIANGULAR MESH WIRE GRIDS FOR GRID-TYPE LENS ANTENNAS, OCTOBER 1961.
BY ANDREASEN, M G DDC NR.
TANNER, R L CONTRACT NR. AF 19<604>-8059
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PARKE MATHEMATICAL LABS., INC.
GEOMETRY IN THEORETICAL PHYSICS AND MATHEMATICAL ENGINEERING, I, OCTOBER 1961.
BY PARKE, III, N G DDC NR.
CONTRACT NR. AF 19<604>-7316
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PARKE MATHEMATICAL LABS., INC.
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BY KAHAN, A — DDC NR. 273470 — CONTRACT NR. AF 19(604)-7316 — PROJ/TASK NR. 4608-46086

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PARKE MATHEMATICAL LABS., INC
THE LORENTZ TRANSFORMATION IN ACCELERATING COORDINATE WITH EXAMPLES OCTOBER 1961.
BY SCOP, P — DDC NR. — CONTRACT NR. AF 19(604)-7316 — PROJ/TASK NR. 4608-46086

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COLORADO, UNIVERSITY OF
STATIONARY PRINCIPLES FOR OPERATOR EQUATIONS WITH APPLICATIONS TO ELECTROMAGNETIC THEORY, NOVEMBER 27, 1961.
BY MITRA, R. — DDC NR. — CONTRACT NR. AF 19(604)-4556 — PROJ/TASK NR. 4600

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GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS, NOVEMBER 28, 1961.
BY AFFLECK, J. H. — DDC NR. — CONTRACT NR. AF 19(604)-4093 — PROJ/TASK NR. 4619-46190

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GENERAL ELECTRIC COMAPNY
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BY WISELY, H R — DDC NR. — CONTRACT NR. AF 19(604)-7410 — PROJ/TASK NR. 4619-46190

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TYCO, INC.
THE TRAVELING SOLVENT METHOD OF CRYSTAL GROWTH, DECEMBER 1, 1961.
BY MLAVSKY, A I — DDC NR. — CONTRACT NR. AF 19(604)-8803 — PROJ/TASK NR. 4608-46088

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STUDIES OF CONDITIONS IN HIGH TEMPERATURE NON-EQUILIBRIUM PLASMA CONFIGURATIONS, DECEMBER 15, 1961.
BY WANIEK, R W — DDC NR. — CONTRACT NR. AF 19(604)-7363 — PROJ/TASK NR. 5634-56340

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EPITAXIAL GROWTH OF SILICON, DECEMBER 1, 1961.
BY REVESZ, A — DDC NR. — CONTRACT NR. AF 19(604)-8040 — PROJ/TASK NR. 5633-56332

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BY KAHAN, A — DDC NR. 273472 — CONTRACT NR. AF 19(604)-7316 — PROJ/TASK NR. 4608-46086

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PARKE MATHEMATICAL LABS., INC.
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BY HUTCHINSON, J — DDC NR. — CONTRACT NR. AF 19(604)-7316 — PROJ/TASK NR. 4608-46086

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RAYTHEON COMAPNY
MICROWAVE ABSORPTION IN CUBIC STRONTIUM TITANATE, DECEMBER 19610
BY SILVERMAN, B D — DDC NR. — CONTRACT NR. AF 19(604)-8005 — PROJ/TASK NR. 4600-46016

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GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS, NOVEMBER 1961.
BY — DDC NR. — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 4619-46191

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CENTRO RADIOELETTRICO SPERIMENTALE (ROME)
DOPPLER FREQUENCY SHIFT OF H.F. TO S.H.F. RADIO WAVES RETURNED FROM THE SEA, SEPTEMBER 15, 1961.
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CENTRO RADIOELETTRICO SPERIMENTALE (ROME)
AN ERROR CAUSE IN IONOSPHERIC SOUNDING NEAR THE SEA, SEPTEMBER 15, 1961.
BY RANZI, I — DDC NR. — CONTRACT NR. AF 61(052)-139 — PROJ/TASK NR. 5630-56302

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BY RANZI, I — DDC NR. — CONTRACT NR. AF 61 (052)-139 — PROJ/TASK NR. 5630-56302

AFCRL-1129
MANCHESTER, UNIVERSITY OF
MOON AND VENUS RADAR PASSIVE SATELLITE OBSERVATIONS, OCTOBER 1958 TO DECEMBER 1960
BY EVANS, J V; EVANS, S; PONSONBY, J E B; PRIOR, A C; ROGER, R S; TAYLOR, G N; THOMSON, J H — DDC NR. 271741 — CONTRACT NR. AF 61(052)-172 — PROJ/TASK NR. 4603-46132, 1770-17703

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BY FRIHAGEN, J; TROIM, J — DDC NR. — CONTRACT NR. AF 61(052)-344 — PROJ/TASK NR. 5631-56315

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CENTRE NATIONAL D-ETUDES DES TELECOMMUNICATIONS
STUDY OF V.L.F. RADIATION BY USE OF ROCKETS, SEPTEMBER 1961.
BY FAYARD, C — DDC NR. — CONTRACT NR. AF 61(052)-436 — PROJ/TASK NR. 4618-46031

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NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
THE DETERMINATION OF D-REGION ELECTRON DENSITIES FROM OBSERVATIONS OF CROSS MODULATION, AUGUST 1961.
BY BARRINGTON, R E; THRANE, E — DDC NR. — CONTRACT NR. AF 61(052)-526 — PROJ/TASK NR. 4603-46033

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
BEHAVIOR OF FE(46) IN THE SYSTEM SRFE03PSRTI03 MARCH 1961
BY CLEVENGER, JR., T R — DDC NR. 254505 — CONTRACT NR. AF 19(604)-6155 — PROJ/TASK NR. 4600

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SOME PROPERTIES OF BISMUTH PEROVSKITES, MARCH 1961
BY BUHRER, C F — DDC NR. 253293 — CONTRACT NR. AF 19(604)-6155 — PROJ/TASK NR. 4600

AFCRL-1136
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DIELECTRIC AND X-RAY STUDIES OF CA(X)BA(1-X) TI03 AND CA(X)SR(1-X)TI03 MARCH 1961
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BY HODGE, P. W.; WRIGHT, F. W.; HOFFLEIT, D. — DDC NR. 256915 — CONTRACT NR. AF 19(604)-5196 — PROJ/TASK NR. 7667

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BY HAGIHARA, Y.; KOZAI, Y. — DDC NR. 256912 — CONTRACT NR. AF 19(604)-5196 — PROJ/TASK NR. 7667

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SMITHSONIAN INSTITUTION
MAJOR FLARES AND GEOMAGNETIC ACTIVITY, 1961
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BY BELL, B. — DDC NR. 256914 — CONTRACT NR. AF 19(604)-5196 — PROJ/TASK NR. 7667

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SMITHSONIAN INSTITUTION
GAPS IN THE DISTRIBUTION OF ASTEROIDS, 1961
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BY HAGIHARA, Y. — DDC NR. 256913 — CONTRACT NR. AF 19(604)-5196 — PROJ/TASK NR. 7667

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ORBITAL ELEMENTS OF PHOTOGRAPHIC METEORS, 1961.
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BY MCCROSKY, R. E.; POSEN, A. — DDC NR. 256911 — CONTRACT NR. AF 19(604)-5196 — PROJ/TASK NR. 7667

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RADIO CORPORATION OF AMERICA
(U) AIRBORNE RADIATION MEASUREMENTS, JUNE 30, 1961.
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BY — DDC NR. — CONTRACT NR. AF 19(604)-7285 — PROJ/TASK NR. 4904

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RADIO CORPORATION OF AMERICA
RESEARCH ON IMPROVED THERMIONIC CONVERTER FOR SPACE OPERATIONS, FINAL REPORT, JANUARY 1, 1960-DECEMBER 31, 1961
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MODEL STUDIES OF SEISMIC ENERGY DISTRIBUTION AROUND DIFFERENT TYPES OF SOURCE 30 NOV 1961
BY PFLUKE, J H
DDC NR. 267245
CONTRACT NR. AF 19(604)-7383
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THE ELECTROMAGNETIC FIELDS OF A HORIZONTAL DIPOLE IN THE PRESENCE OF A CONDUCTING HALF-SPACE DECEMBER 8, 1960.
BY WAIT, J R
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CONTRACT NR. CSO6A 58-40
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STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES, PERIOD COVERING OCTOBER 1, 1961 - DECEMBER 31, 1961, DECEMBER 29, 1961.
BY FLORIO, J
WALLACE, R A
POLANYI, T G
SANDOR, A
DDC NR.
CONTRACT NR. AF 19(604)-7286
PROJ/TASK NR. 4619-46190

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BROWN UNIVERSITY
ON THE PROBLEM OF ANTENNA BEAM BROADENING DUE TO ATMOSPHERIC TURBULENCE, NOVEMBER 1961.
BY ANGULO, C. M.
FARBER, J.
DDC NR.
CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5635-56351

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AFRONUTRONIC
INVESTIGATION AND FUNDAMENTAL STUDY OF CRYOSAR OPERATION AND APPLICATION, DECEMBER 30, 1961
BY LAMBERT, JR., L
DDC NR.
CONTRACT NR. AF 19(604)-8458
PROJ/TASK NR. 4608-46088

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POLYTECHNIC INSTITUTE OF BROOKLYN
MACHINE LEARNING PROCESSES APPLIED TO PATTERN RECOGNITION DECEMBER 14, 1961.
BY LAEMMEL, A E
DDC NR.
CONTRACT NR. AF 19(604)-6154
PROJ/TASK NR. 4691-46912

AFCRL-62-7
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
APPROXIMATION FOR BACKSCATTER FROM A DIELECTRIC SPHERE OCTOBER 15, 1961.
BY THOMAS, D T
DDC NR.
CONTRACT NR. AF 19(604)-7270
PROJ/TASK NR. 4649-46490

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A MONOPOLE ARRAY DRIVEN FROM A RECTANGULAR WAVEGUIDE, JANUARY 1962.
BY ALTSHULER, E E
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600-46004

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A RATIONAL SYSTEM OF PRESSURE DESIGNATION, JANUARY 1962.
BY HERSKOVITZ, S B
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CONTRACT NR.
PROJ/TASK NR. 4619-46190

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
STATUS REPROT ELECTRONIC MATERIAL SCIENCES LABORATORY, JANUARY 3, 1962.
BY
DDC NR.
CONTRACT NR.
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RADIO CORPORATION OF AMERICA
AN INVESTIGATION OF SEQUENTIAL DECODING NOVEMBER 1961.
BY WADDEN, W R
JONES, D M
PENNYPACKER, J C
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CONTRACT NR. AF 19(604)-8079
PROJ/TASK NR. 461046104

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
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BY TAYLOR, R K
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4619-46191

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SEMICONDUCTOR MATERIALS, JANUARY 1962.
BY JOHNSON, A D
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PAGE COMMUNICATIONS ENGINEERS, INC.
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BY BAIN, W F
HATHAWAY, J L
HARRIS, W J
COLLINS, W H
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PROJ/TASK NR. 4603-460303

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ANALOG-TO DIGITAL DATA REDUCTION SYSTEM, JANUARY 1962.
BY REEGAN, J F
DDC NR.
CONTRACT NR.
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BY BECKER, H
COLAO, A
GURTMAN, G
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CONTRACT NR. AF 19(604)-7438
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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
WIDE-ANGLE MICROWAVE LENS FOR LINE SOURCE APPLICATIONS JANUARY 1962.
BY ROTMAN, W
TURNER, R F
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600-46008

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USE OF A LIST-PROCESSING LANGUAGE IN PROGRAMMING SIMPLIFICATION PROCEDURES, JANUARY 1962.
BY PETRICK, S R
DDC NR.
CONTRACT NR.
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FREQUENCY CHARACTERISTICS OF RADIO PROPAGATION OVER A GROVE OF TREES IN FULL LEAF, JANUARY 15, 1962 .
BY LAGRONE, A H
MARTIN, P E
CHAPMAN, C W
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CONTRACT NR. AF 19(604)-8038
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PARKE MATHEMATICALLABS., INC.
AN ANNOTATED BIBLIOGRAPHY ON GEOMETRICAL METHODS IN MODERN PHYSICS II, OCTOBER 1961.
BY KAHAN, A
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CORNELL UNIVERSITY
ON THE DETECTABILITY OF THE PLASMA LINE COMPONENT WITH THE RADAR AT ARECIBO, NOVEMBER 30, 1961.
BY PERKINS, JR., F. W.
DDC NR.
CONTRACT NR. AF 19(604)-8804
PROJ/TASK NR. 4781

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BY TAMIR, T.
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DDC NR.
CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5635-56350

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BY HESSEL, A.
MARCUVITZ, N.
SHMOYS, J.
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WESTINGHOUSE ELECTRIC CORPORATION
DEVELOPMENT OF OPTICAL FREQUENCY MODULATION TECHNIQUES DECEMBER 1961.
BY GOODELL, J B
DDC NR.
CONTRACT NR. AF 19(604)-8501
PROJ/TASK NR. 4610-46108

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BY URBANO, R H
DDC NR.
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LOCKHEED MISSILES & SPACE CO.
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BY TEPLEY, L. R.
DDC NR.
CONTRACT NR. AF 19(604)-5906
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NEW YORK UNIVERSITY
ELECTROMAGNETIC THEORY AND GEOMETRICAL OPTICS, FEBRUARY 1962.
BY KLINE, M.
DDC NR.
CONTRACT NR. AF 19(604)-5238
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AVCO CORPORATION
STUDY OF A TRANSPORTABLE AIR TRAFFIC COMPUTING FACILITY JUNE 1962.
BY GREENE, JR., B F
DDC NR.
CONTRACT NR. AF 19(604)-7481
PROJ/TASK NR. 2124

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MOTOROLA, INC.
A LOW-NOISE, X-BAND PARAMETRIC AMPLIFIER, JANUARY 5, 1962.
BY
DDC NR.
CONTRACT NR. AF 19(604)-4088
PROJ/TASK NR. 4610-46108

AFCRL-62-38
CALIFORNIA, UNIVERSITY OF
ON THE STABILITY OF RANDOMLY VARYING SYSTEMS, JULY 5, 1961.
BY BHARUCHA, B. H. DDC NR.
CONTRACT NR. AF 19(604)-5464
PROJ/TASK NR. 5632-563?0

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AVCO-EVERETT RESEARCH LABORATORY
HYPERVELOCITY RADIATIVE HEAT TRANSFER, AUGUST 1961.
BY GEORGIEV, K DDC NR.
TEARE, J D CONTRACT NR. AF 19(604)-7448
ALLEN, R A PROJ/TASK NR. 5581-44308

AFCRL-62-40
MICHIGAN, UNIVERSITY OF
STUDIES IN RADAR CROSS SECTIONS XLVII DIFFRACTION AND SCATTERING BY REGULAR BODIES - I THE SPHERE, DECEMBER 1961.
BY HARRISON, R A DDC NR.
FLEISHMAN, R E CONTRACT NR. AF 19(604)-6655
SENIOR, T B A PROJ/TASK NR. 5635-56351
GOODRICH, R F

AFCRL-62-41
OXFORD, UNIVERSITY OF
SPIN-LATTICE RELAXATION IN DYSPROSIUM ETHYL SULPHATE, JULY 1961.
BY CODRE, A M DDC NR. 271?00
FINN, C B P CONTRACT NR. AF 61(052)-125
MANGUM, B W PROJ/TASK NR. 5620-56209
ORBACH, R L

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EQUIVOCATION OF BINARY, NULL-ZONE, AND OPTIMUM DETECTORS FOR RAPIDLY FADING TRANSMISSIONS, JANUARY 1962.
BY PIERCE, J N DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6610-66105

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MICHIGAN, UNIVERSITY OF
WAVE PROPAGATION IN AN ANISOTROPIC COLUMN WITH RING SOURCE EXCITATION, DECEMBER 1961.
BY SAMADDAR, S N DDC NR.
CONTRACT NR. AF 19(604)-8052
PROJ/TASK NR.

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A NEW METHOD OF FINDING ROOTS OF A FOURTH ORDER POLYNOMIAL WITH REAL COEFFICIENTS, JANUARY 1962.
BY HAASE, R H DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-56323

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON THE MUTUAL COHERENCE FUNCTION IN AN INHOMOGENEOUS MEDIUM, FEBRUARY 1962.
BY PAPOULIS, JR., G R DDC NR.
SHORE, R A CONTRACT NR.
SKINNER, T J PROJ/TASK NR. 6600-66017

AFCRL-62-46
RADIO CORPORATION OF AMERICA
RESEARCH AND DEVELOPMENT ON SEMICONDUCTOR PARAMETRIC AND TUNNEL DIODE MICROWAVE DEVICES, OCTOBER 31, 1961.
BY CHANG, K. K. N. DDC NR.
CONRAD, G. CONTRACT NR. AF 19(604)-6980
HEILMEIER, G. H. PROJ/TASK NR. 6669-666501
KOLETTIS, N. J.
PRAGER, H. J.
STOCKER, C. F.

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NEW YORK UNIVERSITY
SOME REMARKS CONCERNING THE PREMIER SERIES, MARCH 1962.
BY BAY, I. DDC NR.
CONTRACT NR. AF 19(604)-1695
PROJ/TASK NR. 5631-563106

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STANFORD RESEARCH INSTITUTE
INVESTIGATION OF ARRAY AND LENS-TYPE SCANNING ANTENNAS NOVEMBER 1961.
BY ANDREASEN, M G DDC NR.
CONTRACT NR. AF 19(604)-8059
PROJ/TASK NR. 6600-66013

AFCRL-62-50
BROWN UNIVERSITY
THE SCATTERING CROSS SECTION OF A COMPOSITE CYLINDER, I. GEOMETRIC OPTICS, DECEMBER 1961.
BY RODIS, R. D. DDC NR.
CONTRACT NR. AF 19(604)-6561
PROJ/TASK NR. 5635-56351

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
NUCLEAR MAGNETIC RESONANCE IN FLAMES, FEBRUARY 1962.
BY PARNELL, D P DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6669-666?0

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GENERAL ELECTRIC COMPANY
OPERATIONS RESEARCH ON RECOGNITION, FINAL REPORT, PERIOD COVERING MARCH 1, 1960 THROUGH DECEMBER 1, 1961
BY TURNER, R D DDC NR.
CONTRACT NR. AF 19(604)-6103
PROJ/TASK NR. 6691-669101

AFCRL-62-53
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH, PERIOD COVERING OCTOBER 1, 1961 - DECEMBER 31, 1961, JANUARY 31, 1961.
BY BLANC, J DDC NR.
BUBE, R H CONTRACT NR. AF 19(604)-6152
LIEBMANN, W E PROJ/TASK NR. 6608-66088
RICHMAN, D
WEISBERG, L R

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LABORATORY FOR ELECTRONICS, INC.
FMS MINIATURIZATION STUDY JANUARY 1962.
BY FARNSWORTH, F P DDC NR.
MARSLEN, F CONTRACT NR. AF 19(604)-8861
PROJ/TASK NR. 7124-66727

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SPACE TECHNOLOGY LABORATORIES, INC.
GRAPHS OF THE REAL AND IMAGINARY PARTS OF THE EFFECTIVE COLLISION FREQUENCY FOR WEAKLY IONIZED AIR, JANUARY 1962.
BY MOLMUD, P. DDC NR.
CONTRACT NR. AF 19(604)-8866
PROJ/TASK NR. 8644

AFCRL-62-56
RAYTHEON COMPANY
ELECTRON PARAMAGNETIC RESONANCE OF TRIVALENT GADOLINIUM IONS IN STRONTIUM AND BARIUM TITANATES, JANUARY 1962.
BY RIMAI, L DDC NR.
DEMARS, G A CONTRACT NR. AF 19(604)-8009
PROJ/TASK NR. 6600-66018

AFCRL-62-57
GENERAL ELECTRIC CO.
INVESTIGATION OF MICROWAVE ARTIFICIAL DIELECTRICS WITH CONTROLLABLE INDEX OF REFRACTION, JANUARY 1962.
BY FARRELL, G DDC NR.
HEINS, C CONTRACT NR. AF 19(604)-8488
ERAM, W PROJ/TASK NR. 6600-66017
ROGERS, R G
STRUCKMAN, F

AFCRL-62-58
GENERAL ELECTRIC COMPANY
(U) EFFECTS OF HIGH ALTITUDE NUCLEAR EXPLOSIONS ON RADAR SYSTEMS, JANUARY 1, 1962, SECRET
BY DDC NR.
CONTRACT NR. AF 19(628)-201
PROJ/TASK NR. 6478

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ROYAL INSTITUTE OF TECHNOLOGY (SWEDEN)
THE ACOUSTICS OF SPEECH
REPRINTED FROM PROCEEDINGS OF THE THIRD INTERNATIONAL CONGRESS ON ACOUSTICS, STUTTGART, 1959
BY FANT, G DDC NR.
CONTRACT NR. AF 61(052)-142
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GEOPHYSICS CORPORATION OF AMERICA
PLASMA REACTION STUDIES II, FEBRUARY 1962.
BY INGRAO, H DDC NR.
NAUROCKI, P J CONTRACT NR. AF 19(604)-7405
PROJ/TASK NR. 5581-66035

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AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN ASSOCIATIVE MACHINE FOR DEALING WITH THE VISUAL FIELD
BY BLUM, H DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632-563?05

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CALIFORNIA, UNIVERSITY OF
PLASMA CONFINEMENT OF ELECTROMAGNETIC WAVES, AUGUST 26, 1961.
INSTITUTE OF ENGINEERING RESEARCH SERIES NO. 60, ISSUE NO. 390
BY DDC NR.
CONTRACT NR. AF 19(604)-2270
PROJ/TASK NR. 5634

AFCRL-62-66
MONTANA STATE COLLEGE
SPEECH-SIGNAL PROCESSING AND APPLICATIONS TO SINGLE SIDEBAND MARCH 1962.
BY SHYNE, R A DDC NR.
CONTRACT NR. AF 19(604)-7369
PROJ/TASK NR. 6610-66102

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LITTON SYSTEMS, INC.
PATTERN RECOGNITION RESEARCH, DECEMBER 31, 1961.
BY SEBESTYEN, G S DDC NR.
HARTLEY, A R CONTRACT NR. AF 19(604)-8024
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BY TAYLOR, R L DDC NR.
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PROJ/TASK NR. 5634-56302

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NORTHEASTERN UNIVERSITY
ON THE CARDINALITY OF SOLUTIONS OF FOUR-PERSON CONSTANT-SUM GAMES, JANUARY 31, 1962.
BY GALMARINO, A. R. DDC NR.
CONTRACT NR. AF 19(604)-6971
PROJ/TASK NR. 5632-56203

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MICHIGAN, UNIVERSITY OF
(U) RADIATION MECHANISMS IN THE EXHAUST OF ROCKETS AND ION PROPULSION SYSTEMS, FINAL REPORT, JANUARY 1962 SECRET
BY BARASCH, M L DDC NR.
ARCASU, A Z CONTRACT NR. AF 19(604)-6176
FORTHEIM, P G PROJ/TASK NR. 6669-66696
SAMADDAR, S N
WEIL, H

AFCRL-62-71
NEW YORK UNIVERSITY
INDUCTIVE PROBABILITY AS A DECISION CRITERION FOR COMMUNICATION SYSTEMS. JANUARY 15. 1962.
BY HARRIS, B
DDC NR.
CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 4610-46104

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WESTINGHOUSE RESEARCH LABORATORIES
THEORETICAL AND EXPERIMENTAL RESEARCH TO ASSIST IN PREPARATION AND DESIGN OF A HIGH FREQUENCY SILICON SILICON CARBIDE ACTIVE DEVICE JANUARY 1962.
BY CHANG, H C
DDC NR.
CONTRACT NR. AF 19(604)-8499
PROJ/TASK NR. 4608-460804

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OHIO STATE UNIVERSITY
A MEMORANDUM ON AN X-BAND RADIOMETER STUDY DECEMBER 15. 1961.
BY WORTENDYKE, D
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STANFORD UNIVERSITY
SOME EXPERIMENTS WITH NEW TYPES OF CROSSED FIELD ELECTRON GUNS. FEBRUARY 1962.
BY MIDFORD, T A.
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PROJ/TASK NR. 4619-46191

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STANFORD UNIVERSITY
HARMONIC GENERATION IN FERRITES. FEBRUARY 1962.
BY RICHARDS, P. M.
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HARVARD UNIVERISTY
INFORMATION STORAGE AND RETRIEVAL NOVEMBER 30. 1961.
BY SALTON, G
DDC NR.
CONTRACT NR. AF 19(604)-8509
PROJ/TASK NR. 5632-56320
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CORNELL AERONAUTICAL LABORATORY, INC.
AN EXPERIMENTAL INVESTIGATION OF LUNAR AND AURORAL SCATTERED SIGNALS. PART I. LUNAR ECHOES JANUARY 15. 1962
BY VON BIEL, H A
DDC NR.
CONTRACT NR. AF 19(604)-6116
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AN EXPERIMENTAL INVESTIGATION OF LUNAR AND AURORAL SCATTERED SIGNALS. PART II . AURORAL ECHOES AT 915 MC. APRIL 1962.
BY VON BIEL, H A
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CONTRACT NR. AF 19(604)-6116
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POLYTECHNIC INSTITUTE OF BROOKLYN
LOCATION OF HF RADIO STATIONS FROM THEIR FADING CHARACTERISTICS OCTOBER 19. 1961.
BY LAEMMEL, A E
DDC NR.
CONTRACT NR. AF 19(604)-6154
PROJ/TASK NR. 4691-46912

AFCRL-62-81
SPACE-GENERAL CORPORATION
AN EXPERIMENTAL INVESTIGATION OF EM WAVE PROPAGATION AT 400 CPS APRIL 2. 1962.
BY DUNN, G R
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CONTRACT NR. AF 19(604)-7448
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STANFORD UNIVERSITY
INTERACTION EFFECTS BETWEEN A PLASMA AND A VELOCITY-MODULATED ELECTRON BEAM. FEBRUARY 1962.
BY FREIRE, G F.
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CONTRACT NR. AF 19(604)-1930
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BY BJORK, L
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ADVANCED KINETICS, INC.
STUDY OF CONDITIONS IN HIGH TEMPERATURE NON-EQUILIBRIUM PLASMA CONFIGURATIONS. SEPTEMBER 15. 1961.
BY WANIEK, R W
DDC NR.
CONTRACT NR. AF 19(604)-7363
PROJ/TASK NR. 5634-56340

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HUGHES AIRCRAFT COMPANY
AN EXPERIMENTAL SIMULTANEOUSLY SCANNED ANTENNA SYSTEM. DECEMBER 1961.
BY KUMMER, W H
TERRIO, F G
VILLENEUVE, A T
DDC NR.
CONTRACT NR. AF 19(604)-8006
PROJ/TASK NR. 4600

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PARKE MATHEMATICAL LABS., INC.
WAVE GEOMETRY IDEAS OF THE HIROSHIMA SCHOOL AND OF H. T. FLINT. SEPTEMBER 1961.
BY ROWSOME, F
DDC NR.
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PROJ/TASK NR. 4608-46086

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GENERAL ELECTRIC CO.
APPLICATIONS OF TUNNELING TO ACTIVE DIODES. JANUARY 31. 1962.
BY HALL, R N
RACETTE, J H
SOLTYS, T J
SCHWARZ, S
DDC NR.
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

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GENERAL ELECTRIC CO.
APPLICATIONS OF TUNNELING TO ACTIVE DIODES. JANUARY 31. 1962.
BY HOLONYAK, JR., N
ING, JR., S W
BEVACQUA, S F
MORRISON, R E
KROHL, R
DDC NR.
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 4608-46088

AFCRL-62-90
HRB-SINGER, INC.
HUMAN ENGINEERING ANALYSIS OF THE AUGMENTED FOUR-WHEELS SYSTEM. MARCH 1. 1962.
BY GRANT, G
KING, R B
GATES, S H
DDC NR.
CONTRACT NR. AF 19(604)-7990
PROJ/TASK NR. 431L-46518

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MICHIGAN, UNIVERSITY OF
AN INVESTIGATION OF THE ABSORPTION OF ELECTROMAGNETIC RADIATION BY A PLASMA OF SUBCRITICAL DENSITY. FEBRUARY 1962
BY OLTE, A
BARASCH, M L
FONTHEIM, F G
HEINS, A E
KING, J S
MILLER, F K
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CONTRACT NR. AF 19(604)-8032
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THEORETICAL INVESTIGATIONS ON THE CORRELATION THEORY OF ELECTROMAGNETIC FIELDS. FEBRUARY 1962
BY ROMAN, P
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DOPPLER EFFECT OF ARTIFICIAL SATELLITES. DECEMBER 31. 1961
BY MASS, J
VASSY, E
DDC NR.
CONTRACT NR. AF 61(514)-1141
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AN ACOUSTICAL THEORY OF VOWEL PRODUCTION AND SOME OF ITS IMPLICATIONS
REPRINTED FROM THE JOURNAL OF SPEECH AND HEARING. VOL . 4. NO. 4
BY STEVENS, K N
HOUSE, A S
DDC NR.
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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
REDUCTION OF SPEECH SPECTRA BY ANALYSIS-BY-SYNTHESIS TECHNIQUES
BY BELL, C G
FUJISAKI, H
HEINZ, J M
STEVENS, K N
HOUSE, A S
DDC NR.
CONTRACT NR. AF 19(604)-6102
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TRANSISTOR APPLICATIONS, INC.
RESEARCH DIRECTED TOWARD THE STUDY, ANALYSIS AND DESIGN OF TRANSISTOR CIRCUITS. DECEMBER 1961.
BY CARLSON, A. W.
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PARKE MATHEMATICAL LABS., INC.
ANNOTATED BIBLIOGRAPHY ON ERROR CORRECTING CODES. DECEMBER 1961
BY
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CONTRACT NR. AF 19(604)-7493
PROJ/TASK NR. 5632-56323

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SATURATING SERVOMECHANISM TO FOLLOW A RANDOM PROCESS, SEPTEMBER 14, 1961.
BY GOVAERTS, P. DOC NR.
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CALIFORNIA, UNIVERSITY OF
VERIFICATION OF ALIZERMANS CONJECTURE FOR A CLASS OF 3RD ORDER SYSTEMS, OCTOBER 12, 1961.
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CORNELL UNIVERSITY
NOTES ON THE CHARACTERISTICS OF RADAR SIGNALS IN INCOHERENT SCATTERING, SEPTEMBER 30, 1961.
BY LAASPERF, T. DOC NR.
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BY LAASPERF, T. DOC NR.
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BY BOURET G. F. DOC NR.
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MODULATED ELECTRON BEAM DIAGNOSTICS IN PLASMAS, FINAL REPORT, JANUARY 1962.
BY JOHNSTON, T. W. DOC NR.
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STUDIES IN NON-LINEAR MODELING-IV FAR FIELD SCATTERING BY SIMPLE SHAPES AT LOW FREQUENCIES, FEBRUARY 1962.
BY KLEINMAN, R. F. DOC NR.
LOW, R. D CONTRACT NR. AF 19(604)-8050
SLEATOR, F. R PROJ/TASK NR. 6606-66017

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A PARAPROPAGATION PATTERN CLASSIFIER, MARCH 1962.
BY GLUCKSMAN, H. A. DOC NR.
CONTRACT NR.
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INVESTIGATION OF VARIOUS ACTIVATOR-REFRACTORY SUBSTRATE COMBINATIONS, FEBRUARY 26, 1962.
BY APPLEGE, J. H. DOC NR.
CONTRACT NR. AF 19(604)-6093
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INFORMATION FLOW ANALYSIS OF A TRANSPORTABLE AIR TRAFFIC CONTROL SYSTEM FEBRUARY 1962.
BY POGUST, P. R. DOC NR.
FREEBERG, R. F CONTRACT NR. AF 19(604)-8170
GAUS, A PROJ/TASK NR. 2120-66410
POLLACK, M

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A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS.
BY BOMBAUGH, J. H. DOC NR.
CONTRACT NR. AF 19(604)-2673
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POLARIZATION CHARACTERISTICS OF AURORAL ECHOES AT 88.5MC/S OCTOBER 10, 1961.
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OLSEN, S
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CHALMERS UNIVERSITY OF TECHNOLOGY
THE INTERACTION BETWEEN AN OBLIQUELY INCIDENT PLANE ELECTROMAGNETIC WAVE AND AN ELECTRON BEAM IN THE PRESENCE OF A STATIC MAGNETIC FIELD OF ARBITRARY STRENGTH, 1961
BY WILHELMSSON, E. H. B DOC NR.
CONTRACT NR. AF 61(052)-651
PROJ/TASK NR. 5561-66319

AFCRL-62-125
CHALMERS UNIVERSITY OF TECHNOLOGY
DYNAMIC NON-LINEAR WAVE PROPAGATION IN IONIZED MEDIA, I. THE ISOTROPIC MEDIUM, 1961.
BY RYDBECK, O. E. M DOC NR.
CONTRACT NR. AF 61(052)-651
PROJ/TASK NR. 5561-66305

AFCRL-62-126
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE ITALY
THE VOLUME DENSITY OF RADAR ECHOES FROM METEOR TRAILS IN TWO PARTICULAR CASES OF HELIOCENTRIC RADIANT DISTRIBUTION, SEPTEMBER 1961
BY CARRARA, N DOC NR.
CHECCACCI, P. F CONTRACT NR. AF 61(052)-677
ROMCHI, L PROJ/TASK NR. 5691

AFCRL-62-127
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE ITALY
ANGULAR DENSITY AND RANGE DISTRIBUTION OF RADAR ECHOES FROM METEOR TRAILS, IN THE CASE OF UNIFORM DISTRIBUTION OF GEOCENTRIC RADIANTS, NOVEMBER 1961.
BY CARRARA, N DOC NR.
CHECCACCI, P. F CONTRACT NR. AF 61(052)-677
ROMCHI, L PROJ/TASK NR. 5691

AFCRL-62-128
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE ITALY
STUDIES ON THE DISTRIBUTION OF RADIO ECHOES FROM METEOR TRAILS, NOVEMBER 1961
BY CARRAR, N DOC NR.
CHECCACCI, P. F CONTRACT NR. AF 61(052)-677
ROMCHI, L PROJ/TASK NR. 5691

AFCRL-62-129
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE EFFECTIVE MASSES OF FREE CARRIERS IN PBTE THEIR TEMPERATURE DEPENDENCE AND CONTRIBUTION TO TRANSPORT PROPERTIES, JANUARY 19, 1962.
BY LYDEN, H. A. DOC NR.
CONTRACT NR. AF 19(604)-6193
PROJ/TASK NR. 5621

AFCRL-62-130
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
RESEARCH IN TRAC EMISSION SPECTROSCOPY, FEBRUARY 28, 1962.
BY RUPP, R. L DOC NR.
CONTRACT NR. AF 19(604)-8019
PROJ/TASK NR. 6606-66006

AFCRL-62-191
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
LOSSLESS, RECIPROCAL TRANSFORMATIONS OF LINEAR PASSIVE NETWORKS, OCTOBER 17, 1961.
BY PETTERSEN, T S — DDC NR. — CONTRACT NR. AF 61(052)-484 — PROJ/TASK NR. 9639-563501

AFCRL-62-192
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
MEASUREMENT OF CHARACTERISTICS OF PARAMETRIC AMPLIFIER DIODES, NOVEMBER 23, 1961.
BY ROSENBERG, G W; SCHAUG-PETTERSEN, T; TORRING, A — DDC NR. — CONTRACT NR. AF 61(052)-484 — PROJ/TASK NR. 9639-563501

AFCRL-62-193
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON STABILITY IN THE HOMEOSTAT JENNY, MARCH 1962.
BY MILLER, M G; HAROULES, G G — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 5632-563201

AFCRL-62-194
GENERAL ELECTRIC COMPANY
RESEARCH DIRECTED TOWARD THE STUDY OF THE RADIATION DAMAGE THRESHOLDS OF THE ELEMENTS, JUNE 1962.
BY LUCASSON, P. G.; WALKER, R. M. — DDC NR. — CONTRACT NR. AF 19(604)-5557 — PROJ/TASK NR. 9620-562002

AFCRL-62-195
POLYTECHNIC INSTITUTE OF BROOKLYN
THE SPECTRUM OF ELECTROMAGNETIC WAVES GUIDED BY A PLASMA LAYER DECEMBER 15, 1961.
BY TAMIR, T.; OLINER, A. A. — DDC NR. — CONTRACT NR. AF 19(604)-6161 — PROJ/TASK NR. 9638-563501

AFCRL-62-196
CENTRO DI STUDIO PER LA FISICA FLORENCE, ITALY
ATMOSPHERIC DISPERSION AND ABSORPTION OF MICROWAVES (SEPTEMBER 1961).
BY CASINI, G; FAGIOLI, O — DDC NR. — CONTRACT NR. AF 61(052)-637 — PROJ/TASK NR. 5581-668305

AFCRL-62-197
UPPSALA UNIVERSITY OF
ELECTROMAGNETIC RADIATION AND PHYSICAL STRUCTURE OF LIGHTNING DISCHARGES, 1961.
REPRINTED FROM ARKIV FOR GEOFYSIK BAND 4, NO. 20
BY LEPPING, J P — DDC NR. — CONTRACT NR. AF 61(052)-171 — PROJ/TASK NR. 5638

AFCRL-62-198
OXFORD, UNIVERSITY OF
EXPLANATION OF SOME FORBIDDEN TRANSITIONS IN PARAMAGNETIC RESONANCE, AUGUST 1961.
REPRINTED FROM THE PROCEEDINGS OF THE PHYSICAL SOCIETY, VOL. LXXVII, P. 103, 1961
BY ELFANEY, A; RUBINS, R S — DDC NR. — CONTRACT NR. AF 61(052)-125 — PROJ/TASK NR. 5620-562001

AFCRL-62-199
ROME, UNIVERSITY OF
RESEARCH ON PROPAGATION OF ELECTROMAGNETIC WAVES IN GUIDES LOADED WITH MAGNETIZED FERRITE, MAY 19, 1961.
BY MARZILLI, C; GEROSA, G — DDC NR. — CONTRACT NR. AF 61(052)-101 — PROJ/TASK NR. 4600-460018

AFCRL-62-140
RADIO CORPORATION OF AMERICA
THE VALIDITY OF SCALING PRINCIPLES FOR FIELD-EFFECT TRANSISTORS, FEBRUARY 28, 1962.
BY STANLEY, T O — DDC NR. — CONTRACT NR. AF 19(604)-8040 — PROJ/TASK NR. 5611-561102

AFCRL-62-141
GENERAL ELECTRIC RESEARCH LAB.
INVESTIGATION OF SEMICONDUCTING PROPERTIES OF II-VI COMPOUNDS.
BY AVEN, M; WOODBURY, H H — DDC NR. — CONTRACT NR. AF 19(604)-8512 — PROJ/TASK NR. 4600-460088

AFCRL-62-142
RADIO CORPORATION OF AMERICA
INVESTIGATION OF CARRIER INJECTION ELECTROLUMINESCENCE FEBRUARY 19, 1962.
BY FISCHER, A G; MASON, A F — DDC NR. — CONTRACT NR. AF 19(604)-8018 — PROJ/TASK NR. 4600-460088

AFCRL-62-143
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS, MARCH 1962.
BY — DDC NR. — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 4619-461901

AFCRL-62-144
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
A PROPOSED SCATTERING RANGE FOR SIMULATED ECHO AREA MEASUREMENTS OF PLASMA-COATED OBJECTS, JANUARY 22, 1962.
BY PETERS, L, JR.; PETERS, L, JR.; SWARNER, W G; THOMAS, D T — DDC NR. — CONTRACT NR. AF 19(604)-727 — PROJ/TASK NR. 4649-464930

AFCRL-62-145
GEORGIA INSTITUTE OF TECHNOLOGY
AN ANALYSIS OF RADIO METEOR DATA OBTAINED BY SMYTH RESEARCH ASSOCIATES, FINAL REPORT, SEPTEMBER 1961.
BY MEES, W — DDC NR. — CONTRACT NR. AF 19(604)-6625 — PROJ/TASK NR. 4603-460317

AFCRL-62-147
LABORATORY FOR ELECTRONICS, INC.
(U) SUMMARY REPORT ON A TACTICAL NAVIGATION STUDY PART II, JANUARY 31, 1962, SECRET
BY MOSKOWITZ, P. — DDC NR. — CONTRACT NR. AF 19(604)-5507 — PROJ/TASK NR. 4911-469518; 7126

AFCRL-62-148
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
OPTIMUM IMPURITY CONCENTRATION IN SEMICONDUCTOR THERMOELEMENTS JANUARY 19, 1962.
BY BORREGO-LARRALDE, J M — DDC NR. — CONTRACT NR. AF 19(604)-6193 — PROJ/TASK NR. 5621

AFCRL-62-149
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THEORETICAL AND EXPERIMENTAL RESEARCH ON THERMOELECTRICITY, JANUARY 19, 1962.
BY WHITE, D. C.; ADLER, R. B.; BLAIR, J. — DDC NR. — CONTRACT NR. AF 19(604)-6193 — PROJ/TASK NR. 5621

AFCRL-62-150
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
M -- ARY TRANSMISSIONS WITH LINEAR FILTERING ON RAYLEIGH FADING CIRCUITS, MARCH 1962.
BY PIERCE, J N — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4610-461006

AFCRL-62-151
SOUTHERN CALIFORNIA, UNIVERSITY OF
THE DIFFRACTION OF WAVES BY AN ELLIPTICAL DIELECTRIC CYLINDER, MARCH 1962.
BY YEH, C — DDC NR. — CONTRACT NR. AF 19(604)-8199 — PROJ/TASK NR. 4600-460008

AFCRL-62-152
HAZELTINE TECHNICAL DEVELOPMENT CENTER INC.
AN INVESTIGATION OF ANALOGUE AIDS FOR MOBILE RADCON CONTROLLERS, JANUARY 1962.
BY VICKERS, T O; SEASON, D F — DDC NR. — CONTRACT NR. AF 19(604)-8652 — PROJ/TASK NR. 2126-469518

AFCRL-62-153
SYLVANIA ELECTRONIC SYSTEMS
THEORETICAL RESEARCH ON HYDROMAGNETIC WAVE PROPAGATION FEBRUARY 17, 1962.
BY — DDC NR. — CONTRACT NR. AF 19(604)-7687 — PROJ/TASK NR. 5631-563104

AFCRL-62-154
NEW YORK UNIVERSITY
NUMERICAL DATA CONCERNING THE EFFECTIVENESS OF ANTENNAS, APRIL 1962
BY RABINOWITZ, P; WIGNUS, W — DDC NR. — CONTRACT NR. AF 19(604)-5238 — PROJ/TASK NR. 5630-563501

AFCRL-62-155
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
IONOSPHERIC STUDIES USING POLARIZATION ROTATION OF SATELLITE RADIO SIGNALS, JANUARY 26, 1962.
BY POTTS, R C — DDC NR. — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 4649-464901

AFCRL-62-156
TYCO, INC.
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH MARCH 8, 1962.
BY ANFILOOV, S O; BLAKNEY, A I — DDC NR. — CONTRACT NR. AF 19(604)-8803 — PROJ/TASK NR. 4608-460088

AFCRL-62-157
STANFORD UNIVERSITY
ELECTRON DEVICES RESEARCH, (1962)
BY — DDC NR. — CONTRACT NR. AF 19(604)-548 — PROJ/TASK NR. 4610-461101

AFCRL-62-158
RADIO CORPORATION OF AMERICA
MAGNETIZING THE PERFORMANCE OF PHOTOCONDUCTORS, MARCH 16, 1962.
BY ANDERSON, W W; BLANC, J; DEFFERN, A R; BURE, B H; LEVO, F E; MACDONALD, H F; WILLIAMS, R — DDC NR. — CONTRACT NR. AF 19(604)-8353 — PROJ/TASK NR. 4608-460088

AFCRL-62-159
HUGHES AIRCRAFT CORPORATION
AN INVESTIGATION OF THE MICROWAVE PROPERTIES OF DIAMOND MARCH 16, 1962.
BY SIEVERS, W H; OLDFIELD, JR., W B — DDC NR. — CONTRACT NR. AF 19(604)-8038 — PROJ/TASK NR. 4608-460087

AFCRL-62-160
REMINGTON RAND UNIVAC
ANALYSIS AND EVALUATION OF SURVELLANCE DATA PROCESSING SYSTEMS, DECEMBER 1961.
BY HAGIS, JR., P. — DDC NR.
KRISHNAIAH, P. R. — CONTRACT NR. AF 19(604)-4941
STEINBERG, L. — PROJ/TASK NR. 5632-56320
EDELMAN, N.

AFCRL-62-161
COOK ELECTRIC COMPANY
INVESTIGATIONS INTO MATHEMATICAL EFFECTIVENESS CRITERIA MARCH 1962.
BY HORRIGAN, T J — DDC NR.
CONTRACT NR. AF 19(604)-7497
PROJ/TASK NR. 5632-563203

AFCRL-62-162
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A SHORT SURVEY OF RECENT NUCLEAR REACTION EXPERIMENTS EMPLOYING 1-3 MEV PARTICLE ACCELERATORS, JUNE 1962.
BY KENNEDY, F F — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5620

AFCRL-62-163
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A GREGORIAN CORRECTOR FOR SPHERICAL REFLECTORS, APRIL 1962.
BY HOLT, F S — DDC NR.
BOUCHE, E L — CONTRACT NR.
PROJ/TASK NR. 4600-460002

AFCRL-62-164
STANFORD UNIVERSITY
AN INVESTIGATION OF NONLINEAR EFFECTS IN PLASMAS, MARCH 1962.
BY LUDOVICI, B F. — DDC NR.
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-62-165
POLYTECHNIC INSTITUTE OF BROOKLYN
ON ELECTROMAGNETIC GREENS FUNCTIONS FOR UNIAXIALLY ANISOTROPIC REGIONS, FEBRUARY 26, 1962.
BY ARBEL, E. — DDC NR.
FELSEN, L. B. — CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5635-56350

AFCRL-62-166
POLYTECHNIC INSTITUTE OF BROOKLYN
GUIDED COMPLEX WAVES PART I - FIELDS AT AN INTERFACE MARCH 21, 1962.
BY TAMIR, T — DDC NR.
OLINER, A A — CONTRACT NR. AF 19(604)-7499
PROJ/TASK NR. 4600-46017

AFCRL-62-167
EITEL-MCCULLOUGH, INC.
PULSE HEATING OF MATERIALS BY HIGHLY CONCENTRATED ELECTRON BEAMS, JANUARY 1962.
BY HEIL, O — DDC NR.
VOGEL, S — CONTRACT NR. AF 19(604)-8810
PROJ/TASK NR. 4619-46190

AFCRL-62-168
CALIFORNIA, UNIVERSITY OF
SOME NONLINEAR SYSTEMS SATISFYING AIZERMANS CONJECTURE, OCTOBER 12, 1961.
BY WILLIAMS, I. J. — DDC NR.
CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 5632-56320

AFCRL-62-169
DOMINION PHYSICAL LABORATORY (NEW ZEALAND)
RECEPTION OF GBR (16 KC/S) AT SCOTT BASE ANTARCTICA MARCH 15, 1962.
BY CROMBIE, D D — DDC NR.
CONTRACT NR. AF 64(500)-8
PROJ/TASK NR. 5630-56301

AFCRL-62-170
HUGHES AIRCRAFT COMPANY
RECOGNITION, INDENTIFICATION AND DATA PROCESSING, MARCH 1962.
BY ANDERSON, M J — DDC NR.
CONTRACT NR. AF 19(604)-8437
PROJ/TASK NR. 4691-469102

AFCRL-62-171
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
INCOHERENT SOURCE WITH AN ARBITRARILY NARROW POWER SPECTRUM, APRIL 1962.
REPRINTED FROM J. OPT. SOC. AM., VOL. 51, NO. 8, AUGUST 1961
BY SKINNER, T J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600-46017

AFCRL-62-172
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ANALYSIS AND DESIGN TECHNIQUES FOR TUNNEL DIODE OSCILLATORS, APRIL 1962.
BY VICKERS, V E — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4608

AFCRL-62-173
ELECTRONIC COMMUNICATIONS INC.
SELECTED SURFACE WAVE EXCITATION STUDIES, MARCH 1962.
BY COHN, M. — DDC NR.
KING, M. J. — CONTRACT NR. AF 19(604)-5475
PROJ/TASK NR. 4600-460003

AFCRL-62-174
ELECTRONIC COMMUNICATIONS INC.
MILLIMETER WAVE COMPONENT RESEARCH, FINAL REPORT, MARCH 1962.
BY WENTWORTH, F. L. — DDC NR.
COHN, M. — CONTRACT NR. AF 19(604)-5475
WILTSE, J. C. — PROJ/TASK NR. 4600-460003
SOBEL, F.

AFCRL-62-175
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DYNAMIC SIMULATION OF A DISTILLATION COLUMN WITH A COMBINED ANALOG-DIGITAL COMPUTER, MARCH 1962.
BY DECANINI, J — DDC NR.
CONTRACT NR. AF 19(604)-6654
PROJ/TASK NR. 4649-46493

AFCRL-62-176
STANFORD UNIVERSITY
A VARIATIONAL TECHNIQUE FOR DETERMINING THE PROPAGATING MODES OF A FINITE PLASMA, MARCH 1962.
BY JHA S. S. — DDC NR.
KINO, G. S. — CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-62-177
ROME, UNIVERSITY OF
MODES IN RECTANGULAR GUIDES LOADED WITH MAGNETIZED FERRITE, DECEMBER 30, 1961.
BY BARZILAI, G — DDC NR.
GEROSA, G — CONTRACT NR. AF 61(052)-101
PROJ/TASK NR. 4600-46016

AFCRL-62-178
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
HYPERBOLIC DIRECTION FINDING WITH SFERICS OF TRANSATLANTIC ORIGIN, APRIL 1962.
REPRINTED FROM J. GEOPHYS. RESEARCH, VOL. 65, NO. 7, JULY 1960
BY LEWIS, E A — DDC NR.
HARVEY, R B — CONTRACT NR.
RASMUSSEN, J E — PROJ/TASK NR. 4662-466205

AFCRL-62-179
ENGINEERING SUPERVISION CO.
INVESTIGATION OF STRESS DISTRIBUTION AND STRENGTH CHARACTERISTICS OF LOAD MAGNIFICATION ANVILS FOR ULTRA HIGH PRESSURE APPARATUS, MARCH 1962.
BY GURTMAN, G — DDC NR.
BECKER, H — CONTRACT NR. AF 19(604)-7438
PROJ/TASK NR. 5620-56202

AFCRL-62-1801
TEXAS, UNIVERSITY OF
THE INVESTIGATION OF SOLAR EMISSION AND THE ATTENUATION AND EMISSION OF THE EARTH-S ATMOSPHERE AT THE FREQUENCIES OF 69.75 AND 96.0 KMCS, PART I, MARCH 31, 1962.
BY TOLBERT, C W — DDC NR.
STRAITON, A W — CONTRACT NR. AF 19(604)-8036
WALKER, T A — PROJ/TASK NR. 5561-46305

AFCRL-62-1801I
TEXAS, UNIVERSITY OF
MICROWAVE LINE SHAPES AT LOW PRESSURE, FINAL REPORT PART II MARCH 31, 1962.
BY BRITT, C O — DDC NR.
BOGGS, J E — CONTRACT NR. AF 19(604)-8036
PROJ/TASK NR. 5561-46305

AFCRL-62-182
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR REFRACTORY SUBSTRATE COMBINATIONS, MARCH 30, 1962.
BY AFFLECK, J H — DDC NR.
CONTRACT NR. AF 19(628)-279
PROJ/TASK NR. 4619-461901

AFCRL-62-183
OHIO STATE UNIVERSITY
FURTHER STUDIES OF THE RADAR CROSS SECTION OF PLASMA CLAD BODIES, MARCH 15, 1962.
BY PETERS, L — DDC NR.
SWARNER, W G — CONTRACT NR. AF 19(604)-7270
THOMAS, D T — PROJ/TASK NR. 4649-46490

AFCRL-62-184
ADVANCED KINETICS
STUDY OF CONDITIONS IN HIGH TEMPERATURE NON-EQUILIBRIUM CONFIGURATIONS MARCH 15, 1962.
BY WANIEK, R W — DDC NR.
CONTRACT NR. AF 19(604)-7363
PROJ/TASK NR. 5634-56340

AFCRL-62-185
STANFORD RESEARCH INSTITUTE
INTERACTION OF ELECTROMAGNETIC WAVES WITH A PLASMA APRIL 1962.
BY FLAMMER, C — DDC NR.
YADAVALLI, S V — CONTRACT NR. AF 19(604)-7396
NELSON, R A — PROJ/TASK NR. 5561-46304
BLUM, R

AFCRL-62-186
RCA VICTOR COMPANY LTD.
TRANSMISSION AND REFLECTION OF ARBITRARILY POLARIZED ELECTROMAGNETIC WAVES AT THE BOUNDARY OF AN ANISOTROPIC PLASMA, JANUARY 1962.
BY GRAF, K A — DDC NR.
BACHYNSKI, M P — CONTRACT NR. AF 19(604)-7432
PROJ/TASK NR. 5631

AFCRL-62-187
RHODE ISLAND, UNIVERSITY OF
OPTIMUM PARAMETERS FOR A CLASS OF SURFACE WAVE ANTENNAS MARCH 1962.
BY KANE, J — DDC NR.
CONTRACT NR. AF 19(604)-7983
PROJ/TASK NR. 5635-56351

AFCRL-62-188
STANFORD UNIVERSITY
BIBLIOGRAPHY OF THE IONOSPHERE, AN ANNOTATED SURVEY THROUGH 1960, MAY 1962.
BY MANNING, L A — DDC NR.
CONTRACT NR. AF 19(604)-6194
PROJ/TASK NR. 4603-460301

AFCRL-62-189
POLYTECHNIC INSTITUTE OF BROOKLYN
FURTHER CONTRIBUTIONS TO THE REALIZATION OF BOOLEAN POLYNOMIALS BASED ON INCIDENCE MATRICES AND ITS PROGRAMMING ON THE IBM 650 COMPUTER, AUGUST 22, 1961.
BY MORIWAKI, Y
DDC NR.
CONTRACT NR. AF 19(604)-6620
PROJ/TASK NR. 5632-56323

AFCRL-62-190
NATIONAL BUREAU OF STANDARDS
SOME SEMICONDUCTOR CONTACT STUDIES, MAY 15, 1962.
BY HARMAN, G.
HIGIER, T.
DDC NR.
CONTRACT NR. PRO-62-206
PROJ/TASK NR. 4608

AFCRL-62-191
RCA VICTOR COMPANY LTD.
ANTENNA PROPERTIES IN THE PRESENCE OF IONIZED MEDIA, MARCH 1962.
BY CLOUTIER, G G
BACHYNSKI, M P
GRAF, K A
DDC NR.
CONTRACT NR. AF 19(604)-7334
PROJ/TASK NR. 4600-46008

AFCRL-62-192
STANFORD UNIVERSITY
ON THE VELOCITY DISTRIBUTION OF SPORADIC METEORS, APRIL 1962.
BY MLODNOSKY, R F
ESHLEMAN, V R
MANNING, L A
DDC NR.
CONTRACT NR. AF 19(604)-7436
PROJ/TASK NR. 5631-563102

AFCRL-62-193
RAYTHEON COMAPNY
THE WEAK-FIELD LORENTZ GAS AND A PERTURBATION THEORY OF APPROXIMATE SOLUTION TO THE BOLTZMANN EQUATION MARCH 1962.
BY JANOS, W A
DDC NR.
CONTRACT NR. AF 19(604)-7339
PROJ/TASK NR. 4619-46191
PROJ/TASK NR. 5561-46304

AFCRL-62-194
AMERICAN SYSTEMS INCORPORATED
TRANSVERSE DOPPLER PATTERN MEASUREMENT TECHNIQUE, FEBRUARY 28, 1962.
BY HOUGARDY, H H
DDC NR.
CONTRACT NR. AF 19(604)-8362
PROJ/TASK NR. 5635-56350

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NEW YORK UNIVERSITY
GEOMETRICAL THEORY OF DIFFRACTION, APRIL 1962.
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BY KELLER, J. B.
DDC NR.
CONTRACT NR. AF 19(604)-5238
PROJ/TASK NR. 5635-56350

AFCRL-62-196
CASE INSTITUTE OF TECHNOLOGY
QUARTERLY PROGRESS REPORT, PERIOD COVERING OCTOBER 1 TO DECEMBER 31, 1961, JANUARY 15, 1962.
BY COLLIN, R. E.
DDC NR.
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5635-56351

AFCRL-62-197
DOUCETTE ASSOCIATES, INC.
A QUANTITATIVE STUDY OF THE EVOLUTION OF GASES FROM
BY GRUBBS, W J
SNIDER, G H
DDC NR.
CONTRACT NR. AF 19(628)-326
PROJ/TASK NR. 4619-46190

AFCRL-62-198
SYLVANIA ELECTRONIC SYSTEMS
THEORETICAL INVESTIGATION OF DUAL RATE TRANSMISSIONS OVER GAUSSIAN MILTIPLICATIVE CIRCUITS, APRIL 12, 1962.
BY COWAN, JR., W M
BELLO, P A
CHESLER, D
DDC NR.
CONTRACT NR. AF 19(604)-7488
PROJ/TASK NR. 4610-46105

AFCRL-62-199
GENERAL ELECTRIC COMPANY
RESEARCH DIRECTED TOWARD THE STUDY OF THE RADIATION DAMAGE THRESHOLDS OF THE ELEMENTS JUNE 1962.
BY LUCASSON, P. G.
WALKER, R. M.
DDC NR.
CONTRACT NR. AF 19(604)-5557
PROJ/TASK NR. 5620-562002

AFCRL-62-200
INSTRUMENT CORPORATION OF FLORIDA
DESIGN CONSIDERATIONS OF A PHOTOSENSOR FOR THE DETECTION OF LIGHT FLASHES, NOVEMBER 27, 1961.
BY WILLMANN, J. B.
DDC NR.
CONTRACT NR. AF 19(604)-5967
PROJ/TASK NR. 7600-76003

AFCRL-62-201
INSTRUMENT CORPORATION OF FLORIDA
RESULTS IN GEODETIC PHOTOGRAMMETRY III, PHOTOGRAMMETRIC DETERMINATION OF AZIMUTH OF HIRAN LINES, DECEMBER 15, 1961.
BY BROWN, D. C.
DDC NR.
CONTRACT NR. AF 19(604)-5967
PROJ/TASK NR. 7600-76003

AFCRL-62-202
NEW HAMPSHIRE, UNIVERSITY OF
VARIATIONS OF THE COSMIC RADIATION IN NOVEMBER 1960, OCTOBER 1961.
BY LOCKWOOD, J. A.
SHEA, M. A.
DDC NR.
CONTRACT NR. AF 19(604)-4552
PROJ/TASK NR. 8600-86003

AFCRL-62-203
INTERMOUNTAIN WEATHER, INC.
COMPUTATION OF VISUAL RANGE IN FOG AND LOW CLOUDS, DECEMBER 1961.
BY DICKSON, D R
HALES, J V
DDC NR.
CONTRACT NR. AF 19(604)-7333
PROJ/TASK NR. 8641-86411

AFCRL-62-206
RAYTHEON COMPANY
<U> RADIATION MEASUREMENTS DURING LAUNCH PHASE OF IRBM AND ICBM TRAJECTORIES, NOVEMBER 1961. SECRET
BY CAMPOS, JR., J R
DDC NR.
CONTRACT NR. AF 19(604)-8805
PROJ/TASK NR. 4904

AFCRL-62-208
CORNELL AERONAUTICAL LABORATORY, INC.
PROJECT FLAYER, A STUDY OF SPREAD-F ECHOES FROM THE IONOSPHERE, NOVEMBER 30, 1961.
BY KLEMPERER, W K
DDC NR.
CONTRACT NR. AF 19(604)-7979
PROJ/TASK NR. 8653-86536

AFCRL-62-210I
FORD MOTOR COMPANY
THEORETICAL STUDY OF THE INFRARED RADIATIVE BEHAVIOR OF FLAMES, VOLUME I, THE INFRARED ABSORPTION OF WATER VAPOR DECEMBER 30, 1961.
BY HOWARD, J
DDC NR. 272554
CONTRACT NR. AF 19(604)-7479
PROJ/TASK NR. 5043-79710

AFCRL-62-210II
FORD MOTOR COMAPNY
THEORETICAL STUDY OF THE INFRARED RADIATIVE BEHAVIOR OF FLAMES, VOLUME II, THE INFRARED ABSORPTION OF CARBON DIOXIDE, DECEMBER 30, 1961.
BY HOWARD, J
DDC NR. 271171
CONTRACT NR. AF 19(604)-7479
PROJ/TASK NR. 5043-79710

AFCRL-62-211
HARVARD UNIVERSITY
SWEEP FREQUENCY OBSERVATIONS OF METEOR SCATTER BURSTS, FEBRUARY 1962.
REPR. FR. JOURN. OF ATMOSPHERIC AND TERRESTRIAL PHYSICS 1951, VOL. 22, PP. 161-165
BY THOMPSON, A R
DDC NR.
CONTRACT NR. AF 19(604)-8380
PROJ/TASK NR. 7649-76492

AFCRL-62-212
ARIZONA STATE COLLEGE
INFRARED ATMOSPHERIC STUDIES, NOVEMBER 30, 1961.
BY ADEL, A.
DDC NR.
CONTRACT NR. AF 19(604)-2177
PROJ/TASK NR. 7674

AFCRL-62-213
HARVARD UNIVERSITY
THE APPLICATION OF A MOMENT METHOD TO THE SOLUTION OF NON-GRAY RADIATIVE-TRANSFER PROBLEMS,AND A NON-GRAY RADIATIVE-TRANSFER PROBLEM
REPR. FR. THE ASTROPHYSICAL JOURN., V. 134, #2, SEP. 61
BY STONE, P. H.
GAUSTAD, J. E.
CARRIER G. F.
AVRETT, E. H.
DDC NR.
CONTRACT NR. AF 19(604)-4545
PROJ/TASK NR. 8635-86352

AFCRL-62-214
NEW YORK UNIVERSITY
A STATISTICAL INVESTIGATION OF THE TROPOPAUSE OVER THE CENTRAL, TROPICAL PACIFIC, FEBRUARY 1962.
BY GREENFIELD, R S
DDC NR.
CONTRACT NR. AF 19(604)-6146
PROJ/TASK NR. 8628-862807

AFCRL-62-215
SYRACUSE UNIVERSITY
RESEARCH CONCERNING FAR-INFRARED REGION OF THE SPECTRUM, DECEMBER 20, 1961.
BY GINSBURG, N
DDC NR.
CONTRACT NR. AF 19(604)-2443
PROJ/TASK NR. 7674-76746

AFCRL-62-216
RHODE ISLAND, UNIVERSITY OF
REFLECTION AND TRANSMISSION COEFFICIENTS OF SEISMIC WAVES AT CRUSTAL DISCONTINUITIES, JANUARY 5, 1962.
BY KANE, J
DDC NR.
CONTRACT NR. AF 19(604)-7470
PROJ/TASK NR. 7639-763901

AFCRL-62-217
MARYLAND, UNIVERSITY OF
EFFECTS OF TRAPPED PARTICLES ON THE GEOMAGNETIC FIELD, DECEMBER 1961.
BY APEL, J. R.
SINGER, S. F.
WENTWORTH R. C.
DDC NR.
CONTRACT NR. AF 19(604)-3861
PROJ/TASK NR. 8605-86050

AFCRL-62-218
CAMBRIDGE SYSTEMS, INC.
DESIGN, CONSTRUCTION AND EVALUATION OF AN ELECTRONIC DEW POINT INDICATOR, JANUARY 1962.
BY BEAUREIN, D J
FRANCISCO, C C
DDC NR.
CONTRACT NR. AF 19(604)-8812
PROJ/TASK NR. 8639-67005

AFCRL-62-219
ARCTIC INSTITUTE OF NORTH AMERICA
HEAT AND MASS BALANCE AT THE SURFACE OF THE WARD HUNT ICE SHELF, 1960, MARCH 1962.
BY LISTER, H
DDC NR.
CONTRACT NR. AF 19(604)-8343
PROJ/TASK NR. 7628-76297

AFCRL-62-220
NEW MEXICO STATE UNIVERSITY
DESIGN AND PERFORMANCE OF THE MODELS 2.003, 2.004, 2.005 2.009 TELEMETRY QUADRALOOP ANTENNAS, DECEMBER 1, 1961.
BY HASS, H W
KEENAN, B M
DDC NR.
CONTRACT NR. AF 19(604)-6198
PROJ/TASK NR. 7659-76598

AFCRL-62-221
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CHEMICAL AND PHYSICAL STUDIES OF TEKTITES FEBRUARY 15, 1962
BY PINSON, JR., W H — DDC NR. — CONTRACT NR. AF 19(604)-6135 — PROJ/TASK NR. 7698-86500

AFCRL-62-222
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CONFINEMENT OF A PARTIALLY IONIZED GAS BY A PERIODIC MAGNETIC FIELD JANUARY 1962.
BY ZAUDERER, R. — DDC NR. — CONTRACT NR. AF 19(604)-4551 — PROJ/TASK NR. 8608-86081

AFCRL-62-224
DUBLIN INSTITUTE FOR ADVANCED STUDIES
EXTINCTION IN A PHOTO-ELECTRIC NUCLEUS COUNTER USING ADIABATIC EXPANSION OF 1.21 PRESSURE RATION ACHIEVED BY INCREASING OR DECREASING THE ORIGINAL PRESSURE REPRINTED FROM THE REVIEW GEOFISICA PURA E APPLICATA - MILANO, VOL. 49, 1961/II, PP. 208-216
BY POLLAK, L W; METNIEKS, A L — DDC NR. — CONTRACT NR. AF 61(052)-26 — PROJ/TASK NR. 7690-76903

AFCRL-62-225
THE ELECTRO-MECHANICS COMPANY
MAGNETIC FIELDS IN INTERPLANETARY SPACE,
BY MORRIS, F. J.; ARNOLD, M. H.; CRONNENWETT, W. T. — DDC NR. — CONTRACT NR. AF 19(604)-5221 — PROJ/TASK NR. 7601-76019

AFCRL-62-226
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RELATIONSHIPS BETWEEN H-ALPHA LINE WIDTH, INTENSITY AND FLARE AREA, JANUARY 1962.
BY SMITH, E V P — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7649-76490

AFCRL-62-229
HOWELL ASSOCIATES, INC.
REPORT OF PHOTOGRAMMETRY OF CLOUDS FROM FIXED CAMERA SITES ON THE GROUND, DECEMBER 30, 1961.
BY LOPEZ, M E — DDC NR. — CONTRACT NR. AF 19(604)-7281 — PROJ/TASK NR. 6698-66982

AFCRL-62-230
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RESEARCH ON HYDROMAGNETIC SHOCKS, PERIOD COVERING OCTOBER 1, 1958 TO SEPTEMBER 30, 1961.
BY MAHARDI, O. K.; FAY, J. A. — DDC NR. — CONTRACT NR. AF 19(604)-4551 — PROJ/TASK NR. 8608-86081

AFCRL-62-231
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MEASUREMENT OF DROP SIZE DISTRIBUTION AND LIQUID WATER CONTENT IN NATURAL CLOUDS, JULY 31, 1961.
BY KEILY, D P — DDC NR. — CONTRACT NR. AF 19(604)-7495 — PROJ/TASK NR. 8620

AFCRL-62-232
AF CAMBRIDGE RESEARCH LABORAOTIRES (IN-HOUSE)
THE OPTICAL RECTIFICATION OF FORSHORTENED FLARES, JANUARY 1962
BY SMITH, H J — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7649-76490

AFCRL-62-233
U OF LIEGE
MIE SCATTERING FUNCTIONS FOR SPHERICAL PARTICLES OF REFRACTIVE INDEX M=1.25, NOVEMBER 30, 1962.
(TECHNICAL NTOE NO. 1)
BY REMY-BATTIAU, L — DDC NR. — CONTRACT NR. AF 61(052)-587 — PROJ/TASK NR. 8605-86055

AFCRL-62-235
LITTLE, INC., ARTHUR D.
SOME ATMOSPHERIC ELECTRIC INSTRUMENTS FOR USE IN AIR FORCE OPERATIONS, JANUARY 31, 1962.
BY MOORE, C B; LEAVITT, P R; VONNEGUT, B; VRABLIK, E A — DDC NR. — CONTRACT NR. AF 19(604)-7413 — PROJ/TASK NR. 6682-66822

AFCRL-62-234
NATIONAL COMPANY, INC.
SUGGESTIONS FOR THE ADAPTATION OF THE PORCUPINE II B RADAR FOR THE DETECTION OF SMALL ATMOSPHERIC DIELECTRIC IRREGULARITIES, APRIL 30, 1962.
BY BATES, R H T — DDC NR. — CONTRACT NR. AF 19(604)-8340 — PROJ/TASK NR. 6682-66822

AFCRL-62-235
BOEING COMAPNY
LABORATORY STUDIES OF ROCKET PLUME RADIATION AT REDUCED PRESSURE, DECEMBER 1961.
BY SUTTON, J W — DDC NR. — CONTRACT NR. AF 19(604)-7439 — PROJ/TASK NR. 5043-79710

AFCRL-62-236
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
A STUDY OF THE TOTAL ABSORPTION NEAR 4.5 MU BY TWO SAMPLES OF N2O, AS THEIR TOTAL PRESSURES AND N2O CONCENTRATIONS WERE INDEPENDENTLY VARIED JANUARY 1962.
BY ABELS, L L — DDC NR. — CONTRACT NR. AF 19(604)-6141 — PROJ/TASK NR. 7670-76703

AFCRL-62-238
DENVER, UNIVERSITY OF
STUDY OF GEOMAGNETIC FLUCTUATIONS <1 TO 50 CPS>, NOVEMBER 1, 1961.
BY MASON, G L.; WESTDAL M. C.; HIGGINS, C R — DDC NR. — CONTRACT NR. AF 19(604)-2204 — PROJ/TASK NR. 8601-86013

AFCRL-62-239
WILLIAMSON DEVELOPMENT COMPANY, INC.
VERY LOW PRESSURE GAS BREAKDOWN USING SECONDARY ELECTRONS, AUGUST 1961.
BY LEVINE, M. A.; RUBIN, A. G. — DDC NR. — CONTRACT NR. AF 19(604)-4091 — PROJ/TASK NR. 8608-86084

AFCRL-62-240
MARYLAND, UNIVERSITY OF
STUDY OF SHOCK PROPAGATION IN A RAREFIED PLASMA, INTERACTION OF SHOCK WAVES WITH MAGNETIC FIELDS AND BASIC LAWS OF MAGNETO-GAS-DYNAMICS, DECEMBER 1961.
BY GRIEM, H. R. — DDC NR. — CONTRACT NR. AF 19(604)-4074 — PROJ/TASK NR. 7674-76747 — PROJ/TASK NR. 7670-76704

AFCRL-62-241
ILLINOIS, UNIVERSITY OF
RESEARCH CONCERNING ANALYSIS OF SEVERE THUNDERSTORMS, DECEMBER 1961.
BY WILK, K. E. — DDC NR. — CONTRACT NR. AF 19(604)-4940 — PROJ/TASK NR. 6672-667203

AFCRL-62-242
WASHINGTON, UNIVERSITY OF
DETAILED ANALYSES OF SELECTED PACIFIC STORMS ON CONTINUOUS RADAR RECORDS AND SHORT-INTERVAL SERIAL ASCENTS, VOL. I, CASE OF JANUARY 6-8, 1961, DECEMBER 1961.
BY REED, R. J. — DDC NR. — CONTRACT NR. AF 19(604)-5192 — PROJ/TASK NR. 8641-86221

AFCRL-62-243
WASHINGTON, UNIVERSITY OF
DETAILED ANALYSES OF SELECTED PACIFIC STORMS BASED ON CONTINUOUS RADAR RECORDS AND SHORT-INTERVAL SERIAL ASCENTS, VOL. II, CASE OF FEBRUARY 1, 2, 1961, FEBRUARY 1962.
BY KREITZBERG, C. W.; REED, R. J. — DDC NR. — CONTRACT NR. AF 19(604)-5192 — PROJ/TASK NR. 8641-86221

AFCRL-62-244
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
BIOASTRONAUTICAL MEASUREMENTS OF IONIZING RADIATIONS IN SPACE NUCLEAR EMULSION MONITORING REPROT, FEBRUARY 1962.
BY YAGODA, H — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 8600-86003

AFCRL-62-245
MONSANTO RESEARCH CORPORATION
ORGANIC SEMICONDUCTORS, DECEMBER 20, 1961.
BY BIEHL, E R; WILDI, B S; DEEBEL, G F; DOLLE, R E — DDC NR. — CONTRACT NR. AF 19(604)-8497 — PROJ/TASK NR. 4769-47691

AFCRL-62-247
ILLINOIS, UNIVERSITY OF
SOLUTION OF MAXWELLS EQUATIONS IN A MAGNETO-IONIC MEDIUM WITH SOURCES, JANUARY 18, 1962.
BY MITTRA, R — DDC NR. — CONTRACT NR. AF 19(604)-5565 — PROJ/TASK NR. 8653-865305

AFCRL-62-251(I)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE GREEN GLOW DIFFUSION PROGRAM, VOL. I, JANUARY 1962.
BY BARAD, M L; FUQUAY, J J — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 1448-8604

AFCRL-62-251 (II)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE GREEN GLOW DIFFUSION PROGRAM, VOLUME II, APRIL 1962.
BY BARAD, M L; FRQUAY, J J — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 1448-8604

AFCRL-62-252
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CUMULUS CLIMATOLOGY AND REFRACTIVE INDEX CLOUD REFRACTIVE INDEX STUDIES, II, JANUARY 1962.
BY CUNNINGHAM, R M — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 5038-76414

AFCRL-62-254
STANFORD RESEARCH INSTITUTE
IMPROVEMENTS AND CAPABILITY EXTENSION FOR THE IONOSPHERIC RESEARCH AIRCRAFT, FINAL REPORT FEBRUARY 1962.
BY VANCE, E F; NANEVICZ, J E — DDC NR. — CONTRACT NR. AF 19(604)-7369 — PROJ/TASK NR. 8653-86533

AFCRL-62-255
MARYLAND, UNIVERSITY OF
ATMOSPHERIC EXCITATIONS PRODUCED BY FAST ELECTRONS, FEBRUARY 1962.
BY PAYNE, R. F. — DDC NR. — CONTRACT NR. AF 19(604)-3861 — PROJ/TASK NR. 8605-860500

AFCRL-62-256
STANFORD RESEARCH INSTITUTE
THE EFFECT OF CONCENTRATED LIGHT ON PHOTOCHEMICAL ENERGY CONVERSION BY NITROSYL CHLORIDE SOLUTIONS FEBRUARY 7 1962
BY MARCUS, R J — DDC NR.
CHURCH, F M — CONTRACT NR. AF 19<604>-7302
PROJ/TASK NR. 6694-66942

AFCRL-62-259
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A REVIEW OF STUDIES RELATING METEOROLOGICAL PARAMETERS TO SNOW CONDITIONS ON THE GREENLAND ICE CAP, FEBRUARY 1962
BY KOENIG, L S — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8623-86231

AFCRL-62-260
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ATMOSPHERIC DEPTH AND EFFECTIVE SOLID ANGLE FOR RADIATION PENETRATING THE ATMOSPHERE, FEBRUARY 1962.
BY ELY, J T A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8600-86003

AFCRL-62-261R
HARVARD UNIVERSITY
TWILIGHT INTENSITY AT 20° ELEVATION, RESULTS OF OBSERVATIONS <CONTINUED>, DECEMBER 1961.
BY VOLZ, F. E. — DDC NR.
CONTRACT NR. AF 19<604>-4546
PROJ/TASK NR. 7690

AFCRL-62-262
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
TIME SERIES TECHNIQUES APPLIED TO UNDERGROUND NUCLEAR DETECTION AND FURTHER DIGITIZED SEISMIC DATA, DECEMBER 30, 1961.
BY SIMPSON, JR., S M — DDC NR.
CONTRACT NR. AF 19<604>-7378
PROJ/TASK NR. 8652-86522

AFCRL-62-263.
DUBLIN INSTITUTE FOR ADVANCED STUDIES
THE INFLUENCE OF PRESSURE AND TEMPERATURE ON THE COUNTING OF CONDENSATION NUCLEI. PART II. INFLUENCE OF LOW TEMPERATURE
REPRINTED FROM THE REVIEW GEOFISICA PURA E APPLICATA - MILANO, VOL. 50, 1961/III
BY POLLAK, L W — DDC NR.
METNIEKS, A L — CONTRACT NR. AF 61<052>-26
PROJ/TASK NR. 7690-76903

AFCRL-62-264
CHICAGO, UNIVERSITY OF
A NOTE ON THE USE OF SEA-SURFACE TEMPERATURES IN SYNOPTIC WEATHER ANALYSES, FEBRUARY 1962.
BY BRADBURY, D L — DDC NR.
CONTRACT NR. AF 19<604>-7230
PROJ/TASK NR. 8641-86410

AFCRL-62-266
GEOPHYSICS CORPORATION OF AMERICA
A HEURISTIC EXAMINATION OF THE KINEMATICS OF SIMPLIFIED ROCKET TRAILS, FEBRUARY 1962.
BY PRESSMAN, J — DDC NR.
CASEY, R — CONTRACT NR. AF 19<628>-231
PROJ/TASK NR. 5842

AFCRL-62-267
GEOPHYSICS CORPORATION OF AMERICA
THE PENETRATING POWER OF PARTICULATE MATTER IN AN EXPONENTIAL ATMOSPHERE, FEBRUARY 1962.
BY BROWN, H K — DDC NR.
PRESSMAN, J — CONTRACT NR. AF 19<628>-231
MARMO, F F — PROJ/TASK NR. 5842

AFCRL-62-268
GEOPHYSICS CORPORATION OF AMERICA
<U> DIMENSIONAL ANALYSIS OF NIGHT-TIME MISSILE TRAILS, FEBRUARY 1962, SECRET
BY SHERMAN, C — DDC NR.
CONTRACT NR. AF 19<628>-231
PROJ/TASK NR. 5842

AFCRL-62-271
RADIATION INCROPORATED
<U> AN INVESTIGATION OF HIGH ALTITUDE MISSILE BLOOM, FEBRUARY 29, 1962, SECRET
BY ROSS, J S — DDC NR.
CONTRACT NR. AF 19<604>-7980
PROJ/TASK NR. 4904-49040

AFCRL-62-272
COLUMBIA UNIVERSITY
TELEMETERING SEISMOGRAPHS FOR OCEAN BOTTOM OBSERVATIONS FEBRUARY 20, 1962.
BY KOELSCH, D E — DDC NR.
HUBBARD, A C — CONTRACT NR. AF 19<604>-8357
LUSKIN, B — PROJ/TASK NR. 8652-86523

AFCRL-62-273<I>
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
PROCEEDINGS OF THE NATIONAL SYMPOSIUM ON WINDS FOR AEROSPACE VEHICLE DESIGN, VOLUME I, MARCH 1962.
BY SISSENWINE, N. — DDC NR.
KASTEN, H. G. — CONTRACT NR.
PROJ/TASK NR. 8624

AFCRL-62-273<II>
AF CAMBRIDGE RESEARCH LABORATORIES<IN-HOUSE>
PROCEEDINGS OF THE NATIONAL SYMPOSIUM ON WINDS FOR AEROSPACE VEHICLE DESIGN, VOLUME II, MARCH 1962.
BY SISSENWINE, N. — DDC NR.
KASTEN, H. G. — CONTRACT NR.
PROJ/TASK NR. 8624

AFCRL-62-274
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
REACTIONS OF IONS IN THE UPPER ATMOSPHERE, MARCH 1962.
BY HUNT, JR., W W — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7635

AFCRL-62-275
OSLO, UNIVERSITY OF
DISTRIBUTION OF ORIGIN AND DECAY OF NOISE STORMS ON THE SOLAR DISK 1961.
BY MALTBY, P — DDC NR.
CONTRACT NR. AF 61 <052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-276
OSLO, UNIVERSITY OF
AN INVESTIGATION OF THE TEMPERATURE CONDITIONS IN PROMINENCES WITH A SPECIAL STUDY OF THE EXCITATION OF HELIUM, 1961.
BY TANDBERG-HANSSEN, E — DDC NR.
CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-277
OSLO, UNIVERISTY OF
ON THE CONNECTION BETWEEN SOLAR NOISE STORMS AND OBSERVABLE PARAMETERS OF SUNSPOTS, 1961
BY MALTBY, P — DDC NR.
STEEN, O — CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-278
OSLO, UNIVERISTY OF
A SEARCH FOR DIFFERENCES IN TEMPERATURE BETWEEN THE POLES AND THE EQUATOR OF THE SUN, 1961.
BY MALTBY, P — DDC NR.
CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-279
OSLO, UNIVERISTY OF
NOTE ON THE EVERSHED EFFECT IN SUNSPOTS, 1961.
BY MALTBY, P — DDC NR.
CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-280
OSLO, UNIVERSITY OF
ON THE RELATION BETWEEN MAGNETIC FIELDS AND AREAS OF SUNSPOTS IN THE INTERVAL 1917-56, 1961.
BY RINGNES, T S — DDC NR.
JENSEN, E — CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-281
OSLO, UNIVERSITY OF
THE BOLTZMANN EQUATION AND NON-EQUILIBRIUM PHENOMENA IN IONIZED GASES IN ELECTROMAGNETIC FIELDS, 1961.
BY KNOFF, J B — DDC NR.
CONTRACT NR. AF 61<052>-186
PROJ/TASK NR. 7649-76492

AFCRL-62-282
COLORADO, UNIVERSITY OF
ULTRAVIOLET REFLECTIONS.
BY RENSE, W. A. — DDC NR.
CONTRACT NR. AF 19<604>-5533
PROJ/TASK NR. 6688-66880

AFCRL-62-283
HARVARD UNIVERSITY
PARTICLE MOTION IN THE EQUATORIAL PLANE OF A DIPOLE MAGNETIC FIELD, APRIL 1962.
REPRINTED FROM J. OF GEOPHYSICAL RESEARCH, VOL. 67, NO. 1, JANUARY 1962
BY AVRETT, E. H. — DDC NR.
CONTRACT NR. AF 19<604>-4545
PROJ/TASK NR. 8635-86352

AFCRL-62-284
UPPSALA, UNIVERSITY OF
THE DISPERSION OF WHISTLERS COMPARED WITH THE GEOMAGNETIC LATITUDES OF THEIR SOURCES, APRIL 27, 1961.
REPRINTED FROM SPACE SCI., PERGAMON PRESS 1961, VOL. 5, PP. 326-328
BY NORINDER, H — DDC NR.
KNUDSEN, E — CONTRACT NR. AF 61<052>-07
PROJ/TASK NR. 7663-76635

AFCRL-62-285
DENMARK, TECHNICAL UNIVERISTY OF
INVESTIGATION OF NATURAL ATMOSPHERIC AUDIO-FREQUENCY ELECTROMAGNETIC SIGNALS <WHISTLER AND CHORUS PHENOMENA> FROM OBSERVING STATIONS AT SALTHOLM, DENMARK, AND GODHAVN GREENLAND, OCTOBER 1, 1960 THROUGH SEPTEMBER 30, 1961
BY RYSNER, J — DDC NR.
CONTRACT NR. AF 61<052>298
PROJ/TASK NR. 7663-76635

AFCRL-62-286
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
THE ROLE OF ADVECTION IN THE FORMATION OF VORTEX CLOUD PATTERNS, FEBRUARY 1962.
BY LEESE, J A — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6698-66982

AFCRL-62-287
ISRAEL INSTITUTE OF TECHNOLOGY
CERENKOV RADIATION ASSOCIATED WITH EXTENSIVE AIR SHOWERS SEPTEMBER 1, 1961.
BY KASHA, H — DDC NR.
OREN, Y — CONTRACT NR. AF 61<052>-196
SITTE, K — PROJ/TASK NR. 8600-86001

AFCRL-62-288
JOHANN WOLFGANG GOETHE-UNIVERSITAT
INVESTIGATIONS ON TROPOSPHERIC WASH-OUT, AUGUST 1961>
BY GEORGII, H W — DDC NR.
WEBER, E — CONTRACT NR. AF 61<052>-249
PROJ/TASK NR. 7690-76903

AFCRL-62-289
JOHANNES GUTENBERG-UNIVERSITAT
DETERMINATION OF HEAT BALANCE AT THE BOUNDARY LAYER OVER THE SEA, DECEMBER 1961.
BY MANIER, G — DDC NR.
MOLLER, F — CONTRACT NR. AF 61<052>-315
PROJ/TASK NR. 8604

AFCRL-62-290
COLOGNE UNIVERISTY OF
RESEARCH ON THE SYNOPTICAL MEASUREMENTS OF THE VERTICAL OZONE DISTRIBUTION, DECEMBER 1, 1961.
BY PARTZOLD, H K — DDC NR.
CONTRACT NR. AF 61<052>-330
PROJ/TASK NR. 8631-86311

AFCRL-62-291
WEIZMANN INSTITUTE OF SCIENCE
INTERNATIONAL CONFERENCE ON SPECTRAL LINE SHAPE AND MOLECULAR INTERACTIONS, SEPTEMBER 1961.
BY JAFFE, J H — DDC NR.
CONTRACT NR. AF 61<052>-388
PROJ/TASK NR. 7670-76703

AFCRL-62-292
DURHAM UNIVERSITY OF
VARIATIONS OF THE SEA LEVEL MUON FLUX, JANUARY 8, 1962.
BY ASHTON, F — DDC NR.
CONTRACT NR. AF 61<052>-27
PROJ/TASK NR. 8600-86002

AFCRL-62-293
OBSERVATOIRE DE PARIS-MEUDON <FRANCE>
CONTINUOUS AFTERGLOW SPECTRUM DUE TO RECOMBINATION OF SO AND O, <1961>
BY HERMAN, L — DDC NR.
GRENAT, H — CONTRACT NR. AF 61<052>-17
AKRICHE, J — PROJ/TASK NR. 7661-76614

AFCRL-62-294
QUEEN-S UNIVERSITY, BELFAST
WHISTLER DISPERSIONS FOR A MODEL OF THE IONIC DISTRIBUTIONS IN THE EXOSPHERE, <1961>
BY PATTERSON, T N L — DDC NR.
CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635-76351

AFCRL-62-295
OTTO-HAHN-INSTITUT
TRITIUM DETERMINATIONS IN ATMOSPHERIC GASES AND METEORITES NOVEMBER 1, 1960 - OCTOBER 31, 1961
BY BEGEMANN, F — DDC NR.
CONTRACT NR. AF 61<052>-465
PROJ/TASK NR. 7690-76901

AFCRL-62-296
UPPSALA, UNIVERSITY OF
RELATIONS BETWEEN LIGHTNING DISCHARGES AND WHISTLERS DECEMBER 11, 1961.
BY NORINDER, H — DDC NR.
CONTRACT NR. AF 61<052>-07
PROJ/TASK NR. 7663-76635

AFCRL-62-298
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A MICROWAVE REFRACTOMETER WITH FAST RESPONSE AND ABSOLUTE DIGITAL RECORDING, MARCH 1962.
BY SHAW, R H — DDC NR.
CUNNINGHAM, R M — CONTRACT NR.
PROJ/TASK NR. 8620-86205

AFCRL-62-299
ADVANCED METALS RESEARCH CORP.
IDENTIFICATION OF STRATOSPHERIC AEROSOLS, JANUARY 31, 1962.
BY SCHUR, S — DDC NR.
OGILVIE, R E — CONTRACT NR. AF 19<604>-7498
PROJ/TASK NR. 7690-76903

AFCRL-62-3001
GENERAL ELECTRIC CO.
LUNAR REFLECTION STUDY PART I, MARCH 20, 1962.
BY CLAXTON, B H — DDC NR.
ANDERSON, R E — CONTRACT NR. AF 19<604>-6634
PROJ/TASK NR. 4603-46133

AFCRL-62-3001I
GENERAL ELECTRIC COMPANY
LUNAR REFLECTION STUDY, PART II, AUGUST 31, 1962.
BY CLAXTON, B H — DDC NR.
ANDERSON, R E — CONTRACT NR. AF 19<604>-6634
PROJ/TASK NR. 4603-46133

AFCRL-62-301
NORTHEASTERN UNIVERSITY
ANALYSIS OF A PCM SYSTEM EMPLOYING A PPM VERNIER AUGUST 1962.
BY LOB, W H — DDC NR.
CONTRACT NR. AF 19<604>-7494
PROJ/TASK NR. 4610-46104

AFCRL-62-302
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
THE SCINTILLATION OF SATELLITE RADIO TRANSMISSIONS AND FIELD-ALIGNED IONOSPHERIC IRREGULARITIES, SEPTEMBER 1961.
BY SINGLETON, D G — DDC NR.
LYNCH, G J E — CONTRACT NR. AF 64<500>-9
THOMAS, J A — PROJ/TASK NR. 5631-563103

AFCRL-62-303
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
THE GEOMETRY OF RADIO REFLECTIONS FROM FIELD-ALIGNED IRREGULARITIES IN THE IONOSPHERE, OCTOBER 1961.
BY DEARDEN, E W — DDC NR.
CONTRACT NR. AF 64<500>-9
PROJ/TASK NR. 5631-563103

AFCRL-62-304
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
PRELIMINARY SURVEY OF RESULTS OF OBSERVATIONS OF FIELD-ALIGNED IRREGULARITIES FROM BRISBANE, NOVEMBER 1961.
BY MATTHEW, E M — DDC NR.
CONTRACT NR. AF 64<500>-9
PROJ/TASK NR. 5631-563103

AFCRL-62-305
QUEENSLAND UNIVERSITY OF <AUSTRALIA>
INSTRUMENTATION FOR THE OBSERVATION OF FIELD-ALIGNED F REGION IRREGULARITIES AND TRANSEQUATORIAL RADIO PROPAGATION FEBRUARY 1962.
BY THOMAS, J A — DDC NR.
MCNICOL, R W E — CONTRACT NR. AF 64<500>-9
PROJ/TASK NR. 5631-563103

AFCRL-62-306
WESTINGHOUSE RESEARCH LABS.
AN ULTRASONIC CW SPECTROMETER FOR THE INVESTIGATION OF ELECTRON SPIN-PHONON INTERACTIONS IN SOLIDS, JANUARY 16, 1962.
BY BOLEF, D I — DDC NR.
DE KLERK, J — CONTRACT NR. AF 19<604>-8826
GOSSER, R B — PROJ/TASK NR. 4600-46016

AFCRL-62-307
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ON THE SOLUTION OF LINEAR DIFFERENTIAL EQUATIONS OF ORDER WITH VARIABLE COEFFICIENTS, MAY 1962.
BY BRUCE, M H — DDC NR.
MURPHY, R F — CONTRACT NR.
PROJ/TASK NR. 4649-464901

AFCRL-62-308
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
THE STUDY OF A CONTINUOUS GETTER AT HIGH AMBIENT TEMPERATURES WITH CARBON DIOXIDE, MAY 1962
REPRINTED FROM VACUUM, VOL. 11, NO. 4, PP. 187-194
BY BLOOM, J H — DDC NR.
LUDINGTON, C E — CONTRACT NR.
PHIPPS, R L — PROJ/TASK NR. 4619-46190

AFCRL-62-309
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
A NEW MODEL OF NATURAL LANGUAGE FOR PREDICITVE SYNTACTIC ANALYSIS, APRIL 1962.
REPRINTED FROM INFORMATION THEORY, PAPER NO. 35, BUTTERWORTH, LONDON, 1961
BY SHERRY, M F — DDC NR.
OETTINGER, A G — CONTRACT NR.
PROJ/TASK NR. 5632-563205

AFCRL-62-310
CORNELL UNIVERSITY
SCATTERING AND CONVERSION CROSS SECTIONS IN INHOMOGENEOUS PLASMA, MAY 1, 1962.
BY COHEN, M. — DDC NR.
CONTRACT NR. AF 19<604>-8804
PROJ/TASK NR. 4781

AFCRL-62-311
RENSSELAER POLYTECHNIC INSTITUTE
EFFECTS OF THE ATMOSPHERE ON RADIO ASTRONOMICAL SIGNALS, APRIL 30, 1962.
BY FLEISCHER, R — DDC NR.
OSHIMA, M — CONTRACT NR. AF 19<604>-8055
ROARK, T P — PROJ/TASK NR. 5561-46305
DEJONG, M

AFCRL-62-312<I>
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE ITALY
STUDY OF IONOSPHERIC ABSORPTION DURING A SOLAR ECLIPSE
PART I SOLAR ECLIPSE, JANUARY 1962.
BY CARRARA, N — DDC NR.
CHECCACCI, P F — CONTRACT NR. AF 61<052>-498
DE GIORGIO, M T — PROJ/TASK NR. 5631

AFCRL-62-312<II>
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE, ITALY
STUDY OF IONOSPHERIC ABSORPTION DURING A SOLAR ECLIPSE, PART II, SATELLITE CONFERENCE, JANUARY 1962.
BY CHECCACCI, P F — DDC NR.
CONTRACT NR. AF 61<052>-498
PROJ/TASK NR. 5631

AFCRL-62-312<III>
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE, ITALY
STUDY OF IONOSPHERIC ABSORPTION DURING A SOLAR ECLIPSE, PART III IONOSPHERIC MEASUREMENTS BY MEANS OF SIGNALS FROM ARTIFICIAL SATELLITES JANUARY 1962.
BY CHECCACCI, P F — DDC NR.
DE GIORGIO, M T — CONTRACT NR. AF 61<052>-498
PROJ/TASK NR. 5631

AFCRL-62-313
COLUMBIA UNIVERSITY.
SOME RESULTS ON ELECTROMAGNETIC SURFACE WAVE PROPAGATION ALONG INHOMOGENEOUS CYLINDERS, JANUARY 10, 1962.
BY VIGANTS, A. — DDC NR.
SCHLESINGER, S. P. — CONTRACT NR. AF 19<604>-3879
PROJ/TASK NR. 4600

AFCRL-62-314
MELPAR, INC.
DESIGN AND DEVELOPMENT OF A DIGITAL VOICE DATA PROCESSING SYSTEM, MARCH 1962.
BY SCHOENE, L. P. — DDC NR.
STRAIGHT, H. A. — CONTRACT NR. AF 19(604)-5579
KING, O. C. — PROJ/TASK NR. 4610-461002

AFCRL-62-315
RESEARCH CHEMICALS
THE PREPARATION OF HIGH PURITY RARE EARTH METALS, APRIL 1962.
BY KIRKPATRICK, C G — DDC NR.
SCHAEFER, W J — CONTRACT NR. AF 19(604)-7491
LOVE, B — PROJ/TASK NR. 4608-46086
LAVOLD, W
HEININK, C J
KOUNS, H

AFCRL-62-316
GENERAL ELECTRIC COMPANY
RESEARCH DIRECTED TOWARD THE STUDY OF THE RADIATION DAMAGE THRESHOLDS OF THE ELEMENTS, JUNE 1962.
BY WALKER, R. M. — DDC NR.
CONTRACT NR. AF 19(604)-5557
PROJ/TASK NR. 5620-562002

AFCRL-62-317
REMINGTON RAND UNIVAC
MATHEMATICAL CIRCUIT ANALYSIS AND DESIGN, MARCH 1962.
BY BROWN, A. — DDC NR.
MULLOCK, P. J. — CONTRACT NR. AF 19(604)-5189
PROJ/TASK NR. 5633-56332

AFCRL-62-318
RADIO CORPORATION OF AMERICA
THEORY OF ADJUSTABLE SWITCHING NETWORKS, I. A. THRESHOLD LOGIC . B. RELIABILITY OF SWITCHING NETWORKS, APRIL 30, 1962.
BY AMAREL, S — DDC NR.
LEVY, S — CONTRACT NR. AF 19(604)-8423
WINDER, R O — PROJ/TASK NR. 4641-464101

AFCRL-62-319
ELECTRONIC COMMUNICATIONS INC.
UHF FERROELECTRIC PHASE SHIFTER RESEARCH, APRIL 30, 1962.
BY COHN, M — DDC NR.
EIKENBERG, A F — CONTRACT NR. AF 19(604)-8379
PROJ/TASK NR. 4600-46016

AFCRL-62-320
CASE INSTITUTE OF TECHNOLOGY
SYNTHESIS OF TRANSFER FUNCTIONS USING IMMITTANCE OPERATORS, MAY 1, 1962.
BY ZEREN, T. — DDC NR.
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5635-56351

AFCRL-62-321
CASE INSTITUTE OF TECHNOLOGY
RANK AND DEGREE REDUCTION IN RECIPROCAL N-PORT NETWORK SYNTHESIS, MAY 1, 1962
BY JOSEPH, R. D. — DDC NR.
CONTRACT NR. AF 19(604)-3887
PROJ/TASK NR. 5635-56351

AFCRL-62-322
RAYTHEON COMPANY
TEMPERATURE DEPENDENT SPECTRUM OF AN ANTIFERROELECTRIC LINEAR CHAIN MODEL, APRIL 1962.
BY SILVERMAN, B D — DDC NR.
CONTRACT NR. AF 19(604)-8005
PROJ/TASK NR. 4600-460003

AFCRL-62-323
BROWN UNIVERSITY
ONE DIMENSIONAL WAVE MOTION IN A TWO-COMPONENT FULLY IONIZED GAS, I. SMALL AMPLITUDE WAVES, APRIL 1962.
BY CHU, V. T. — DDC NR.
DUNN, H S — CONTRACT NR. AF 19(604)-4561
PROJ/TASK NR. 5635-56351

AFCRL-62-324
CANTERBURY UNIVERSITY OF <NEW ZEALAND>
THE ANNUAL AND DIURNAL VARIATION OF METEOR RATES IN THE SOUTHERN HEMISPHERE, MAY 4, 1962.
BY ELLYETT, C D — DDC NR.
KEAY, C S L — CONTRACT NR. AF 64(500)-6
PROJ/TASK NR. 5631-563102

AFCRL-62-325
WASHINGTON, UNIVERSITY OF
THEORY OF UNEQUALLY SPACED ARRAYS, JANUARY 1962.
BY ISHIMARU, A. — DDC NR.
CONTRACT NR. AF 19(604)-4098
PROJ/TASK NR. 5635-56350

AFCRL-62-326
ITT FEDERAL LABORATORIES
TACAN SOLID STATE ELECTRONIC KEYER MARCH 15, 1962.
BY — DDC NR.
CONTRACT NR. AF 19(604)-8811
PROJ/TASK NR. 2124-46225

AFCRL-62-327
GENERAL DYNAMICS .
<U> RECOGNITION OF NUCLEAR-PROPELLED VEHICLES, APRIL 1962.
BY JONES, E F — DDC NR.
CARTER, H G — CONTRACT NR. AF 19(604)-6199
PETERSON, A W — PROJ/TASK NR. 4691-46911

AFCRL-62-328
NORTH AMERICAN AVIATION
<U> INVESTIGATION OF THE EFFECTS OF ADVANCED AIRCRAFT
BY — DDC NR.
CONTRACT NR. AF 19(604)-8025
PROJ/TASK NR. 2124

AFCRL-62-329
NATIONAL BUREAU OF STANDARDS
WAVE PROPAGATION AROUND A CURVED BOUNDARY WHICH CONTAINS AN OBSTACLE, APRIL 12, 1962.
BY WAIT, J R — DDC NR.
CONTRACT NR. PRO-61-568
PROJ/TASK NR. 5635-56350

AFCRL-62-330
NATIONAL BUREAU OF STANDARDS
CURVES FOR GROUND WAVE PROPAGATION OVER MIXED LAND AND SEA PATHS, MAY 2, 1962.
TO BE PUB. IN TRANS. IRE, VOL. AP-11, ANTENNAS AND PROPAGATION, JANUARY 1963
BY WAIT, J R — DDC NR.
WALTERS, L C — CONTRACT NR. PRO-61-568
PROJ/TASK NR. 5635-56350

AFCRL-62-331
NATIONAL BUREAU OF STANDARDS
A NOTE ON THE PROPAGATION OF ELECTROMAGNETIC PULSES OVER THE EARTH-S SURFACE, APRIL 24, 1962.
REPR. FR. CANADIAN J. OF PHYSICS, VOL. 40, 1962
BY WAIT, J R — DDC NR.
CONTRACT NR. PRO-61-568
PROJ/TASK NR. 5635-56350

AFCRL-62-332
STANFORD RESEARCH INSTITUTE
A BIBLIOGRAPHY ON SOLUTIONS AND CRYSTAL GROWTH AT HIGH TEMPERATURES AND PRESSURES, MAY 9, 1962.
BY SILVA, W. J. — DDC NR.
CRAIG, F. — CONTRACT NR. AF 19(604)-5697
FREDERICKS, W. J. — PROJ/TASK NR. 4608-46087

AFCRL-62-333
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
REMARKS ON THE DERIVATION OF THE LORENTZ TRANSFORMATION
MAY 1962.
REPRINTED FROM IL NUOVO CIMENTO SERIE X, 22 943-957, DECEMBER 1, 1961
BY DEWAN, E M — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5635-563503

AFCRL-62-334
AERONUTRONIC
INVESTIGATION AND FUNDAMENTAL STUDY OF CRYOSAR OPERATION AND APPLICATION, MAY 1, 1962.
BY LAMBERT, JR., L — DDC NR.
CONTRACT NR. AF 19(604)-8458
PROJ/TASK NR. 4608-46088

AFCRL-62-335
WESTINGHOUSE ELECTRIC CORPORATION
THEORETICAL AND EXPERIMENTAL RESEARCH TO ASSIST IN PREPARATION AND DESIGN OF A HIGH FREQUENCY SILICON CARBIDE ACTIVE DEVICE APRIL 1962.
BY CHANG, H C — DDC NR.
CONTRACT NR. AF 19(604)-8499
PROJ/TASK NR. 4608-460804

AFCRL-62-336
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH APRIL 30, 1962.
BY BLANC, J — DDC NR.
BUBE, R H — CONTRACT NR. AF 19(604)-6152
LIEBMANN, W K — PROJ/TASK NR. 4608-46088
RICHMAN, D
WEISBERG, L R

AFCRL-62-337
TENNESSEE, UNIVERSITY OF
CIRCULAR ARRAYS FOR ELECTRONIC SCANNING, FINAL REPORT, JANUARY 15, 1962.
BY NEFF, H. P. — DDC NR.
STEPHENS, D. R. — CONTRACT NR. AF 19(604)-4967
KENNEDY, E. J. — PROJ/TASK NR. 4600-46015
TILLMAN, J D

AFCRL-62-338
NORTHEASTERN UNIVERSITY
TECHNIQUES FOR THE CONSTRAINED OPTIMIZATION OF COMMUNICATION NETS, MAY 15, 1962.
BY COSTA, L. P. — DDC NR.
CONTRACT NR. AF 19(604)-4573
PROJ/TASK NR. 5632-563203

AFCRL-62-339II
GENERAL ELECTRIC COMPANY
HARDENED POINT-TO-POINT COMMUNICATION ANTENNA CONFIGURATION VOL. II MAY 1962.
BY WHISTLER, W T — DDC NR.
STAUFFER, J W — CONTRACT NR. AF 19(604)-7469
SCHROEDER, K G — PROJ/TASK NR. 4600-460007
RODEN, R C
DEE, L H

AFCRL-62-340
ILLINOIS, UNIVERSITY OF
PART I, THEORY OF FLUCTUATIONS IN A PLASMA, PART II, WAVE PROPERTIES OF PLASMA WITH A DOUBLY-HUMPED VELOCITY DISTRIBUTION, MAY 15, 1962.
BY ICHIMARU, S — DDC NR.
CONTRACT NR. AF 19(604)-7411
CONTRACT NR. AF 19(604)-7473
PROJ/TASK NR. 5561-46304
PROJ/TASK NR. 4619-46191

AFCRL-62-341
ELECTROMAGNETIC RESEARCH CORPORATION
STUDIES IN IONOSPHERIC PROPAGATION , PART I, THE EXACT EARTH-FLATTENING PROCEDURE IN IONOSPHERIC PROPAGATION PROBLEMS
PART II, VLF SIGNAL ENHANCEMENTS AND HF FADEOUTS DURING SUDDEN IONOSPHERIC DISTURBANCES, FINAL REPORT, APRIL 15, 1962.
BY KATZIN, M — DDC NR.
KOO, B Y C — CONTRACT NR. AF 19(604)-7233
PROJ/TASK NR. 5631-563109

AFCRL-62-342
GENERAL ELECTRIC COMPANY
THE TEMPERATURE COEFFICIENT OF RESISTANCE IN ULTRATHIN, EVAPORATED METAL FILMS. <INVESTIGATION OF METAL THIN FILM FORMATION AND STRUCTURE>. JULY 1962.
BY NEUGEBAUER, C. A. — DDC NR. — CONTRACT NR. AF 19(604)-5566 — PROJ/TASK NR. 5621-562101

AFCRL-62-343
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
OBSERVATIONS OF TRANS-EQUATORIAL PROPAGATION FROM BRISBANE MARCH 1962.
BY THOMAS, J A — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-344
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
CROSS- AND AUTO-CORRELATION EFFECTS ASSOCIATED WITH ANOMALOUS TRANSEQUATORIAL PROPAGATION AT 16 MC/S, MARCH 1962.
BY THOMAS, J A — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-345
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
TRANSEQUATORIAL PROPAGATION ANALYSIS IONOSPHERIC HEIGHT AND FREQUENCY PLOTS MARCH 1962.
BY THOMAS, J A — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-346
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
LUNAR CONTROL OF ABNORMAL TRANSEQUATORIAL PROPAGATION MARCH 1962.
BY THOMAS, J A — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-347
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
TRANSEQUATORIAL PROPAGATION ANALYSIS RAY TRACING AND MODE ANALYSIS, MARCH 1962.
BY THOMAS, J A; MCINNES, B A — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-348
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
EXOSPHERIC PROPAGATION EXPERIMENTS, MARCH 1962.
BY THOMAS, J A; MCINNES, B A; CROUCHLEY, J — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-349
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
FURTHER RESULTS OF OBSERVATIONS OF FIELD-ALIGNED IRREGULARITIES FROM BRISBANE, MARCH 1962.
BY MATTHEW, F M — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-350
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
FIELD-ALIGNED IONIZATION IRREGULARITIES. AN INVESTIGATION OF ECHOES OBSERVED FROM BRISBANE MARCH 1962.
BY DEARDEN, E W — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-351
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
FIELD-ALIGNED IRREGULARITIES IN THE ES REGION, MARCH 1962.
BY GOODWIN, G L; THOMAS, J A — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-352
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
RADAR OBSERVATIONS OF FIELD-ALIGNED IRREGULARITIES DURING THE TWO MAGNETICALLY DISTURBED DAYS, MAY 6TH, 1960 AND MAY 8TH 1960, MARCH 1962.
BY MATTHEW, F M; DEARDEN, E W — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-353
QUEENSLAND, UNIVERSITY OF <AUSTRALIA>
OBSERVATIONS OF FIELD-ALIGNED IRREGULARITIES AND TRANSEQUATORIAL PROPAGATION, MARCH 1962.
BY THOMAS, J A; DEARDEN, E W; MATTHEW, F M; MCNICOL, R W E; MCINNES, B A; SINGLETON, D G; GOODWIN, G L; LYNCH, G J F; CROUCHLEY, J — DDC NR. — CONTRACT NR. AF 64(500)-9 — PROJ/TASK NR. 5631-56313

AFCRL-62-354
NORTHEASTERN UNIVERSITY
OPTIMAL SYNTHESIS OF AIR DEFENSE SYSTEMS IN TERMS OF MARKOV MODELS, MAY 21, 1962.
BY CESARE, F. D. — DDC NR. — CONTRACT NR. AF 19(604)-4573 — PROJ/TASK NR. 5632-563203

AFCRL-62-356
STANFORD UNIVERSITY
EXPERIMENTS WITH A NEW TYPE ADIABATIC CROSSED-FIELD GUN, JUNE 1962.
BY MIDFORD T. A.; KINO, G. S. — DDC NR. — CONTRACT NR. AF 19(604)-1930 — PROJ/TASK NR. 4619-46191

AFCRL-62-357
MOTOROLA INC.
RESEARCH AND DEVELOPMENT FOR SURFACE PROTECTION FOR SILICON DEVICES, MARCH 1962.
BY GNAEDINGER, JR., R J; COOPER, H W; FLASCHEN, S S — DDC NR. — CONTRACT NR. AF 19(604)-8358 — PROJ/TASK NR. 5621

AFCRL-62-358
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
THEORY OF RAYS IN A MAGNETIC-IONIC MEDIUM, MAY 1962.
BY MCCABE, L J — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 5631

AFCRL-62-359
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
PHASE, ATTENUATION, AND IMPEDANCE CHARACTERISTICS OF COAXIAL TRANSMISSION LINES WITH THIN TUBULAR CONDUCTORS, MAY 1962.
BY POST, E J — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 5635

AFCRL-62-360
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
BISTATIC LUNAR RADAR MEASUREMENTS OF LARGE SCALE VARIATIONS IN IONOSPHERIC ELECTRON CONTENT, MAY 1962.
BY TAYLOR, G N; WHITNEY, H E; KLOBUCHAR, J A — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4643

AFCRL-62-361
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
HOW FAILURE INDICATORS CAN IMPROVE RELIABILITY, JUNE 1962.
BY BISHOP, W B — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4608

AFCRL-62-362
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
SINGLE CRYSTAL BISMUTH TELLURIDE, SEPTEMBER 1962.
BY SHEPHERD, JR., F D — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 5621

AFCRL-62-363
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
RELATIVISTIC FORMULATION OF THE STOKES OPERATORS, JULY 1962
BY KAHAN, A — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4608

AFCRL-62-364
MICROWAVE ASSOCIATES, INC.
INVESTIGATION OF HIGH FREQUENCY GASEOUS BREAKDOWN UNDER CONDITIONS OF NON-UNIFORM ELECTRIC FIELDS, PERIOD COVERING JANUARY 1, 1961-JANUARY 1, 1962
BY FIELDS, H — DDC NR. — CONTRACT NR. AF 19(604)-7388 — PROJ/TASK NR. 5561-46304

AFCRL-62-365
ITEK CORPORATION
DIFFRACTION STUDIES, JUNE 1962.
BY BARAKAT, R — DDC NR. — CONTRACT NR. AF 19(604)-8466 — PROJ/TASK NR. 4600-460006

AFCRL-62-366
COLUMBIA UNIVERSITY
ANALYSIS AND SYNTHESIS OF NONLINEAR FILTERS AND PREDICTORS MAY 1, 1962.
BY SCHWARZ, R. J. — DDC NR. — CONTRACT NR. AF 19(604)-4140 — PROJ/TASK NR. 5632-56320

AFCRL-62-367
RADIO CORPORATION OF AMERICA
HEURISTIC THEOREM PROVING. I. A MACHINE PROCEDURE FOR EFFICIENT GENERATION OF SIMPLEST PROOFS IN THE PROPOSITIONAL CALCULUS. II . AN APPROACH TO PROBLEM SOLVING BY COMPUTER, MAY 30, 1962.
BY WALTERS, D A; AMAREL, S — DDC NR. — CONTRACT NR. AF 19(604)-8422 — PROJ/TASK NR. 5632

AFCRL-62-368
POLYTECHNIC INSTITUTE OF BROOKLYN
THEORY AND DESIGN OF SUBSONIC SPECTRUM ANALYZER, APRIL 26, 1962.
BY BIALLY, T — DDC NR. — CONTRACT NR. AF 19(628)-375 — PROJ/TASK NR. 4691-469103

AFCRL-62-369
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS.
BY ROHRBAUGH, J. H. — DDC NR. — CONTRACT NR. AF 19(604)-2673 — PROJ/TASK NR. 5621-56216

AFCRL-62-371(I)
GENERAL ELECTRIC COMPANY
<U> INVESTIGATION OF EFFECTS OF HIGH ALTITUDE NUCLEAR DETONATIONS ON PROPAGATION OF ELECTROMAGNETIC WAVES. VOL. I MISSILE DEFENSE VULNERABILITY. FINAL REPORT. JUNE 30, 1962. SECRET
BY MALINOWSKI, L.; FAUQUE, V. — DDC NR. — CONTRACT NR. AF 19(628)-207 — PROJ/TASK NR. 4976

AFCRL-62-371(III)
GENERAL ELECTRIC COMPANY
<U> INVESTIGATION OF EFFECTS OF HIGH ALTITUDE NUCLEAR DETONATIONS ON PROPAGATION OF ELECTROMAGNETIC WAVES. VOL. II TURBULENCE. EXPERIMENT DESIGN, AND MISCELLANEOUS. JUNE 30 1962. SECRET
BY HAUSZ, W.; ARCHER, D.; TSCHUPP, E.; SULLIVAN, J.; HENDRICK, R.; HFNGFL, C.; BARRETT, T. — DDC NR. — CONTRACT NR. AF 19(628)-207 — PROJ/TASK NR. 4976

AFCRL-62-372
GENERAL TELEPHONE & ELECTRONICS LAB., INC.
STUDY OF ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM RANGE, 1962, APRIL 30, 1962.
BY BLIVEN, C M
DDC NR.
CONTRACT NR. AF 19(628)-331
PROJ/TASK NR. 4619

AFCRL-62-373
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES MARCH 30, 1962.
BY
DDC NR.
CONTRACT NR. AF 19(604)-7286
PROJ/TASK NR. 4619-461901

AFCRL-62-374
BELL AEROSYSTEMS COMPANY
(U) APPLICATION OF JAMMING-EVASION TECHNIQUES TO GCA RADARS AUGUST 1, 1962, SECRET
BY SHYHALLA, N
DDC NR.
CONTRACT NR. AF 19(604)-8825
PROJ/TASK NR. 4655-46552

AFCRL-62-375
BENDIX CORPORATION
ATC LINAR RECEIVER, MAY 30, 1962.
BY FICKENSCHER, W F
DDC NR.
CONTRACT NR. AF 19(604)-8848
PROJ/TASK NR. 4655-46550

AFCRL-62-376
HUGHES AIRCRAFT COMPANY
(U) SIMULTANEOUSLY SCANNED ANTENNA SYSTEMS, APRIL 1962. CONFIDENTIAL
BY BEHNKE, M C
KING, A P
TERRIO, F G
VILLENEUVE, A T
VODOPIA, S N
DDC NR.
CONTRACT NR. AF 19(604)-8006
PROJ/TASK NR. 4600-460007

AFCRL-62-377
COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL
SPACE DIVERSITY RECEPTION IN TORPOSPHERIC SCATTER FIELD MEASUREMENT, NOVEMBER 30, 1961.
BY BIGGI, V
DDC NR.
CONTRACT NR. AF 61(052)-442
PROJ/TASK NR. 4603

AFCRL-62-378
INNSBRUCK, UNIVERSITY OF
ON THE PROPAGATION OF VLF WAVES IN SOLIDS DECEMBER 1961.
BY BITTERLICH, W
DDC NR.
CONTRACT NR. AF 61(052)-490
PROJ/TASK NR. 4610

AFCRL-62-379
ROYAL SWEDISH ACADEMY OF SCIENCE
CORPUSCULAR RADIATION MEASUREMENTS BY 1959 <EXPLORER VII> RECORDED AT KIRUNA GEOPHYSICAL OBSERVATORY, JANUARY 20, 1962.
BY LISZKA, L
DDC NR.
CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631

AFCRL-62-380
ROYAL SWEDISH ACADEMY OF SCIENCE
INVESTIGATIONS OF PROPERTIES OF THE AURORAL ZONE IONOSPHERE BY MEANS OF A RADIOASTRONOMICAL SWEPT-FREQUENCY INTERFEROMETER COVERING THE FREQUENCY BAND 35-65 MC/S, FEBRUARY 1, 1962.
BY LISZKA, L
DDC NR.
CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631

AFCRL-62-381(A)
ROYAL SWEDISH ACADEMY OF SCIENCE
STUDIES OF HF- AND VHF-AURORAL ZONE PROPAGATION, MARCH 1, 1962.
BY LISZKA, L
DDC NR.
CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631

AFCRL-62-381(B)
ROYAL SWEDISH ACADEMY OF SCIENCE
NOISE EMISSIONS IN THE AUDIO-FREQUENCY RANGE, MARCH 7, 1962
BY EGELAND, A
OLSEN, S
GUSTAFSSON, G
DDC NR.
CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631

AFCRL-62-382
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
AURORAL LUMINOSITY AND ABSORPTION OF COSMIC RADIO NOISE JANUARY 1962.
BY HOLT, O
OMHOLT, A
DDC NR.
CONTRACT NR. AF 61(052)-526
PROJ/TASK NR. 4603

AFCRL-62-383
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
SIGNAL POWER IMPORVEMENT THROUGH CODING AND DIVERSITY, JUNE 1962.
BY MOTT-SMITH, J
STAELIN, D
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5628

AFCRL-62-384
DENMARK, TECHNICAL UNIVERSITY OF
THE SKY-WAVE FIELD FROM A VERTICAL DIPOLE OVER AN INHOMOGENEOUS, FLAT EARTH CONSISTING OF TWO MEDIA, OCTOBER 1961.
BY ANDERSEN, J B
DDC NR.
CONTRACT NR. AF 61(052)-503
PROJ/TASK NR. 5635-563502

AFCRL-62-385
CHALMERS UNIVERISTY OF TECHNOLOGY
DYNAMIC NON-LINEAR WAVE PROPAGATION IN IONIZED MEDIA. 2. THE MAGNETO-IONIC MEDIUM 1962.
BY RYDBECK, O E H
DDC NR.
CONTRACT NR. AF 61(052)-451
PROJ/TASK NR. 5561

AFCRL-62-386
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
RADIATION PATTERNS AND AXIAL MODES OF RUBY LASERS, JUNE 1962.
BY STICKLEY, C M
BRADBURY, R A
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4645

AFCRL-62-387
BOLT BERANEK AND NEWMAN INC.
HUMAN PATTERN RECOGNITION PROCEDURES AS RELATED TO MILITARY RECOGNITION PROBLEMS, FINAL REPORT JUNE 15 1962.
BY WEISZ, A Z
LICKLIDER, J C R
SWETS, J A
WILSON, J P
DDC NR.
CONTRACT NR. AF 19(604)-6632
PROJ/TASK NR. 4691-46912

AFCRL-62-388
GENERAL ELECTRIC CO.
INVESTIGATION FOR THE DEVELOPMENT OF CERAMIC BODIES FOR ELECTRON TUBES, FINAL REPORT, JUNE 8, 1962.
BY WISELY, H R
DDC NR.
CONTRACT NR. AF 19(604)-7410
PROJ/TASK NR. 4619-46190

AFCRL-62-389
RAYTHEON COMPANY
RESEARCH ON A PASSIVE SOLID STATE LIMITER, APRIL 30, 1962.
BY MILANO, U
SCHLOMANN, E
GREEN, J
DDC NR.
CONTRACT NR. AF 19(604)-7297
PROJ/TASK NR. 5621-56218

AFCRL-62-390
LITTON SYSTEMS, INC.
INVESTIGATION OF AUTOMATION OF SPEECH PROCESSING FOR VOICE COMMUNICATION, MAY 28, 1962.
BY SEBESTYEN, G S
VAN METER, D
DDC NR.
CONTRACT NR. AF 19(604)-8828
PROJ/TASK NR. 4610-461002

AFCRL-62-391
NATIONAL BUREAU OF STANDARDS
ON THE THEORY OF RADIO WAVE PROPAGATION OVER INHOMOGENEOUS EARTH, JUNE 11, 1962.
REPR. FR. J. OF RESEARCH OF THE NBS- D. RADIO PROPAGATION, OUVOL. 67D, NO. U, JAN-FEB 1963
BY FURUTSU, K
DDC NR.
CONTRACT NR. PRO-61-568
PROJ/TASK NR. 5635-56350

AFCRL-62-392
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
NONLINEAR OSCILLATION AND EPILEPSY, JUNE 1962.
BY DEWAN, E M
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5635

AFCRL-62-393
POLYTECHNIC INSTITUTE OF BROOKLYN
THE ANALYTIC FOUNDATIONS OF LINEAR, TIME-INVARIANT N-PORTS, PART I, MAY 3, 1962.
BY YOULA, D. C.
KAPLAN, L.
STOCK, D.
DDC NR.
CONTRACT NR. AF 19(604)-4143
PROJ/TASK NR. 5635-563501

AFCRL-62-394
TEXAS INSTURMENTS INCORPROATED
FULL-DUPLEX DIGITAL VOCODER, JUNE 11, 1962.
BY YAGGI, JR., L A
DDC NR.
CONTRACT NR. AF 19(628)-302
PROJ/TASK NR. 4610-461002

AFCRL-62-395
CENTRO RADIOELETTRICO SPERIMENTALE <ROME>
SPORADIC-E IONIZATION OBSERVED BY THE BACKSCATTER TECHNIQUE, FEBRUARY 15, 1962.
BY DOMINICI, P
DDC NR.
CONTRACT NR. AF 61(052)-139
PROJ/TASK NR. 5630-56302

AFCRL-62-396
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE ITALY
FUNDAMENTAL RESEARCH ON ELECTROMAGNETIC THEORY AND MICROWAVE SPECTROSCOPY, MARCH 1962.
BY DI FRANCIA, G T
PRATESI, R
RONCHI, L
RUSSO, V
SCHEGGI, A M
TASSINARIO, G
DDC NR.
CONTRACT NR. AF 61-28
PROJ/TASK NR. 9760

AFCRL-62-397
INTERNATIONAL BUSINESS MACHINES CORPORATION
ADAPTIVE MAN-MACHINE CONCEPT-PROCESSING, JUNE 14, 1962.
BY KOCHEN, M
ABRAHAM, C T
WONG, E
DDC NR.
CONTRACT NR. AF 19(604)-8446
PROJ/TASK NR. 5632-56325
PROJ/TASK NR. 5633-56332

AFCRL-62-398
SOUTHERN CALIFORNIA, UNIVERSITY OF
ON THE DIELECTRIC COATED PROLATE SPHEROIDAL ANTENNA, JUNE 1962.
BY YEH, C W H
DDC NR.
CONTRACT NR. AF 19(604)-6195
PROJ/TASK NR. 4642-464202

AFCRL-62-399
TRG, INCORPORATED
MODES IN LOSSY STRATIFIED MEDIA WITH APPLICATION TO UNDERGROUND PROPAGATION OF RADIO WAVES, APRIL 20, 1962.
BY VIGGH, M E
DDC NR.
CONTRACT NR. AF 19(604)-8057
PROJ/TASK NR. 4600-460002

AFCRL-62-401
ROYAL SWEDISH ACADEMY OF SCIENCE
AN AUTOMATIC DIGITAL RECORDING AND REDUCING SYSTEM FOR GEOMAGNETIOMETER DATA SUMMARY REPORT, OCTOBER 21, 1961.
BY HULTQVIST, B
DDC NR.
CONTRACT NR. AF 61(052)-237
PROJ/TASK NR. 8601

AFCRL-62-403
MANCHESTER UNIVERISTY OF
RESEARCH STUDY AND DEVELOPMENT OF 1 METRE-MIRROR FOR MOON TRACKING AND PHOTOGRAPHY, NOVEMBER 1961.
BY KOPAL, Z
DDC NR.
CONTRACT NR. AF 61(052)-400
PROJ/TASK NR. 8602-86020

AFCRL-62-404
OBSERVATOIRE DE MEUDON (FRANCE)
THEORIE DES ONDES ADIABATIQUES ASSOCIEES AUX THERMES NON DIAGONAUX DU TENSEUR DE PRESSION DANS LES PLASMAS AUGUST 1961.
BY DELCROIX, J L
DENISSE, J F
QUEMADA, D
DDC NR.
CONTRACT NR. AF 61(052)-432
PROJ/TASK NR. 8606-86088

AFCRL-62-407
BOSTON UNIVERSITY
RESEARCH DIRECTED TOWARDS A STUDY OF METHODS OF DETECTING PARTICLES, OCTOBER 1961.
BY HAWKINS, G. S.
LAZARUS, D. M.
DDC NR.
CONTRACT NR. AF 19(604)-5735
PROJ/TASK NR. 7667-76405

AFCRL-62-408
COLORADO UNIVERSITY OF
SOLAR ULTRAVIOLET RESEARCH, FINAL REPORT, PERIOD COVERING FEBRUARY 1, 1960 - JANUARY 31, 1962.
BY RENSE, W A
DDC NR.
CONTRACT NR. AF 19(604)-7215
PROJ/TASK NR. 6688-66880

AFCRL-62-414
ST LOUIS UNIVERSITY
RESEARCH DIRECTED TOWARD OBTAINING BASIC INFORMATION REQUIRED FOR INTERPRETATIVE IDENTIFICATION OF TYPES OF SEISMIC SIGNALS SUPERPOSED ON A NOISE BACKGROUND, FEBRUARY 28, 1962.
BY HEINRICH, R R
DDC NR.
CONTRACT NR. AF 19(604)-8001
PROJ/TASK NR. 7639-76398

AFCRL-62-415
OKLAHOMA STATE UNIVERSITY
DEVELOPMENT OF APPARATUS FOR MICROMETEORITE MEASUREMENTS DECEMBER 1961.
BY BUCK, R F
DDC NR.
CONTRACT NR. AF 19(604)-7202
PROJ/TASK NR. 7667-76046

AFCRL-62-416
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
INVESTIGATION OF SPHERICAL SHOCK WAVES IN A SHOCK TUBE FEBRUARY 1962.
BY TENG, R. N.
DDC NR.
CONTRACT NR. AF 19(604)-5698
PROJ/TASK NR. 7673-76731

AFCRL-62-418
SPACE TECHNOLOGY LABS., INC.
A PERIODICALLY FOCUSED MAGNETIC ELECTRON ENERGY SELECTOR REPRINTED IN THE REVIEW OF SCIENTIFIC INSTRUMENTS, AUGUST 17, 1961
BY MASTRUP, F N
FREDRICKS, R W
DDC NR.
CONTRACT NR. AF 19(604)-7985
PROJ/TASK NR. 7673-76731

AFCRL-62-419
SPACE TECHNOLOGY LABS., INC.
ELECTRON ATTACHMENT OF SEF6,
REPRINTED IN THE PHYSICAL REVIEW JUNE 20, 1961
BY MASTRUP, F N
DDC NR.
CONTRACT NR. AF 19(604)-7985
PROJ/TASK NR. 7673-76731

AFCRL-62-420
SPACE TECHNOLOGY LABS., INC.
ATTACHMENT AND PHOTODETACHMENT STUDIES, FINAL REPORT, DECEMBER 30, 1961.
BY MASTRUP, F N
DDC NR.
CONTRACT NR. AF 19(604)-7985
PROJ/TASK NR. 7673-76731

AFCRL-62-421
POLYTECHNIC INSTITUTE OF BROOKLYN
ELECTRON DENSITY PROFILE, JUNE 1962.
BY BERTONI, H L
DDC NR.
CONTRACT NR. AF 19 (604)-8070
PROJ/TASK NR. 6692-669201

AFCRL-62-422
MCGILL UNIVERSITY
RELATION BETWEEN SOLAR RADIATION INCOME AND CLOUD TYPE IN THE ARCTIC MARCH 1962.
PUBLICATION IN METEOROLOGY NO. 48
BY VOWINCKEL, E
ORVIG, S
DDC NR.
CONTRACT NR. AF 19(604)-7415
PROJ/TASK NR. 8623-86230

AFCRL-62-424
OSLO, UNIVERISTY OF
OBSERVATIONS OF NIGHT SKY LINES AT COLOMB-BECHAR (ALGERIE) DURING ROCKET FIRINGS, SEPTEMBER 28, 1961.
BY BERGER, S
HARANG, O
LARSEN, R
DDC NR.
CONTRACT NR. AF 61(052)-540
PROJ/TASK NR. 4984-49840

AFCRL-62-425
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE RELATIONSHIP BETWEEN LARGE-SCALE VERTICAL MOTION AND SKY COVER FEBRUARY 1962.
BY CURTIS, R C
LEESE, J A
VALOVCIN, F R
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4982-49882
PROJ/TASK NR. 6698-66982

AFCRL-62-426
OXFORD UNIVERSITY OF
RESEARCH ON NIGHT SKY EMISSIONS, NOVEMBER 15, 1961.
BY INGHAM, M F
DDC NR.
CONTRACT NR. AF 61(052)-9
PROJ/TASK NR. 8605-86054

AFCRL-62-428
NORTHEASTERN UNIVERSITY
S-BAND BEACON PRF COMMAND SYSTEM, DECEMBER 22, 1961.
BY OCONNOR L. J.
DDC NR.
CONTRACT NR. AF 19(604)-3506
PROJ/TASK NR. 7659-765901

AFCRL-62-431
GENERAL DYNAMICS
ROCKET-BORNE IR SCANNING RADIOMETER FOR HIGH ALTITUDE RADIATION MEASUREMENTS, FEBRUARY 23, 1962
BY SMILEY, V N
DDC NR.
CONTRACT NR. AF 19(604)-7417
PROJ/TASK NR. 4427-442702

AFCRL-62-432
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
STATISTICAL ANALYSIS OF GRAVITY OF ANOMALIES, APRIL 1962.
BY HIRVONEN, R A
DDC NR.
CONTRACT NR. AF 19(604)-6201
PROJ/TASK NR. 7600-76006

AFCRL-62-433
COLORADO, UNIVERSITY OF
THE SOLAR CORONA AND THE INTERPLANETARY GAS, APRIL 1962.
BY CHAPMAN, S.
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-434
COLORADO, UNIVERSITY OF
THE WORLD MAGNETIC SURVEY, APRIL 1962.
REPRINTED FROM NEW SCIENTIST, VOL. 11, PP. 32-34
BY CHAPMAN, S.
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-435
COLORADO, UNIVERSITY OF
THE INTERNATIONAL GEOPHYSICAL YEAR WORLD MAGNETIC SURVEY, APRIL 1962.
REPRINTED FROM I CSU REVIEW, VOL. 3, PP. 77-80, 1961
BY CHAPMAN, S.
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-436
COLORADO, UNIVERSITY OF
DYNAMICAL AND OTHER ASPECTS OF COSMIC GASES OF LOW DENSITY, APRIL 1962.
BY CHAPMAN, S.
BY
DDC NR.
DDC NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-437
COLORADO, UNIVERSITY OF
LINE BROADENING IN CHROMOSPHERIC SPICULES, APRIL 1962.
BY ATHAY, R. G
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-438
COLORADO, UNIVERSITY OF
THE DOPPLER CORES OF STRONG FRAUNHOFER LINES, APRIL 1962.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 134, NO. 3, NOVEMBER 1961
BY ATHAY, R. G
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-439
COLORADO, UNIVERSITY OF
SCALE TIMES AND SCALE LENGTHS OF VARIABLES WITH GEOMAGNETIC AND IONOSPHERIC ILLUSTRATIONS, APRIL 1962.
REPRINTED FROM PROCEEDINGS OF THE PHYSICAL SOCIETY, VOL. LXXVII, P. 424, 1961 MISC. REPRINT NO. 215
BY CHAPMAN, S.
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-440
COLORADO, UNIVERSITY OF
ENERGIES OF SOLAR ORIGIN, APRIL 1962.
REPRINTED FROM MEDICAL AND BIOLOGICAL ASPECTS OF THE ENERGIES OF SPACE, 1961
BY ATHAY R. G
ROBERTS, W O.
DDC NR.
CONTRACT NR. AF 19(604)-2140
PROJ/TASK NR. 7649

AFCRL-62-441
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
AFCRL STUDIES OF THE NOVEMBER 1960 SOLAR - TERRESTRIAL EVENTS, APRIL 1962.
BY AARONS, J.
SILVERMAN, S. M.
DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRL-62-442
LOCKHEED MISSILES & SPACE COMAPNY
SOLAR WIND INTERACTIONS. APRIL 14, 1962
BY DESSLER, A J — DDC NR.
CONTRACT NR. AF 19(604)-7989
PROJ/TASK NR. 7601

AFCRL-62-443
CORNELL AERONAUTICAL LABORATORY, INC.
INVESTIGATION OF RADIO AURORA, PROJECT AURORA II, MAY 1962.
BY FLOOD, W A — DDC NR.
CONTRACT NR. AF 19(604)-6197
PROJ/TASK NR. 7661

AFCRL-62-444
BOSTON UNIVERSITY
MOLECULAR ORIGINS OF PRODUCTS OF REACTION OF PROPYLENE WITH ACTIVE NITROGEN, FINAL REPORT APRIL 3, 1962.
BY LICHTIN, N N; SHINOZAKI, Y — DDC NR.
CONTRACT NR. AF 19(604)-7272
PROJ/TASK NR. 4984-49840

AFCRL-62-445
PROVIDENCE COLLEGE
HIGH J - LOW K MULTIPLETS IN THE ROTATIONAL SPECTRUM OF SULFUR DIOXIDE, FEBRUARY 1962.
BY GORA, E K. — DDC NR.
CONTRACT NR. AF 19(604)-2216
PROJ/TASK NR. 8603-860303

AFCRL-62-446
WISCONSIN, UNIVERSITY OF
A SUMMARY OF VARIOUS TECHNIQUES DESIGNED TO OBTAIN THE UPPER LEVEL WIND FIELD IN REGIONS OF SPARSE OR UNRELIABLE DATA, MARCH 1962.
BY HORN, L. H.; JOHNSON, D. R. — DDC NR.
CONTRACT NR. AF 19(604)-5191
PROJ/TASK NR. 8624-86240

AFCRL-62-447
WASHINGTON, UNIVERSITY OF
DETAILED ANALYSES OF SELECTED PACIFIC STORMS BASED ON CONTINUOUS RADAR RECORDS AND SHORT-INTERVAL SERIAL ASCENTS, VOL. III, CASE OF FEBRUARY 7-10, 1961, MARCH 1962.
BY KREITZBERG, C. W.; REED, R. J. — DDC NR.
CONTRACT NR. AF 19(604)-5192
PROJ/TASK NR. 8641-86414

AFCRL-62-448
WASHINGTON, UNIVERSITY OF
DETAILED ANALYSES OF SELECTED PACIFIC STORMS BASED ON CONTINUOUS RADAR RECORDS AND SHORT-INTERVAL SERIAL ASCENTS, VOL. IV, CASE OF MARCH 8-10, 1961, APRIL 1962.
BY KREITZBERG, C. W. — DDC NR.
CONTRACT NR. AF 19(604)-5192
PROJ/TASK NR. 8641-86414

AFCRL-62-449
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
(U) AFCRL BALLISTIC MISSILE INFRARED RADIATION MEASUREMENTS IRMP 59/60, JUNE 1962, SECRET
BY CONDRON, T. P.; LOVETT, J. J.; MORGAN, R. L. — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4904-49041

AFCRL-62-450
CALIFORNIA, UNIVERSITY OF
EXCITATION OF NITRIC OXIDE AND ATOMIC OXYGEN IN AFTERGLOW SOURCES, JULY 1961.
BY SCHADE, W J — DDC NR.
CONTRACT NR. AF 19(604)-6657
PROJ/TASK NR. 7635

AFCRL-62-451
STANFORD RESEARCH INSTITUTE
THE INCORPORATION OF PHYSICAL PARAMETERS IN THE OBJECTIVE SPECIFICATION OF CLOUDINESS, MARCH 1962.
BY DAVIS, P A — DDC NR.
CONTRACT NR. AF 19(604)-7343
PROJ/TASK NR. 8641-86418

AFCRL-62-452
WESTERN ONTARIO, UNIVERSITY OF
TRANSITION PROBABILITIES OF MOLECULAR BAND SYSTEMS. XXI NUMERICAL SOLUTION OF THE SCHRODINGER WAVE EQUATION, NOVEMBER 15, 1961.
BY JARMAIN, W. R. — DDC NR.
CONTRACT NR. AF 19(604)-4560
CONTRACT NR. AF-AFOSR-61-88
PROJ/TASK NR. 7635-76361

AFCRL-62-453
NEW HAMPSHIRE UNIVERSITY OF
ASYMPTOTIC DIRECTIONS OF PRIMARY COSMIC-RAY PROTONS ARRIVING AT DURHAM AND MT. WASHINGTON, N. H. MAY 1962.
BY SHEA, M. A. — DDC NR.
CONTRACT NR. AF 19(604)-4552
PROJ/TASK NR. 8600-860003

AFCRL-62-454
PENNSYLVANIA STATE UNIVERSITY
300 KC/S SOUNDINGS OF THE NIGHTTIME E LAYER AND ORIGIN OF ECHO PATTERNS, APRIL 15, 1962.
BY CHANDRA, S.; SAHA, A. K. — DDC NR.
CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8605

AFCRL-62-455
TEMPLE UNIVERSITY
RESEARCH DIRECTED TOWARD THE ATTAINMENT AND UTILIZATION OF HIGH TEMPERATURES, MAY 31, 1962.
BY BOHN, J. L.; NADIG, F. H.; KORNEFF, T.; MOSES, K.; PORTNER, S.; EDELSON, H.; MORTON, R.; FUCHS, O. P. — DDC NR.
CONTRACT NR. AF 19(604)-3076
PROJ/TASK NR. 8608-86087

AFCRL-62-456
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
EFFECTIVE TRANSMISSION OF THERMAL RADIATION FROM NUCLEAR DETONATIONS IN REAL ATMOSPHERES, APRIL 1962.
BY CAMILL, J. P.; GAUVIN, H. P.; JOHNSON, J. C. — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7674

AFCRL-62-457
MCGILL UNIVERSITY
INTERIM ACCOUNT OF HAIL STUDIES NOVEMBER 1960, APRIL 1962.
BY DOUGLAS, R. H.; MARSHALL J. S.; BARKLIF, R. H. D. — DDC NR.
CONTRACT NR. AF 19(604)-2065
PROJ/TASK NR. 8620-86204

AFCRL-62-459
MCGILL UNIVERSITY
PRECIPITATION STUDIES, APRIL 1957 - DECEMBER 1961, AND ALBERTA HAIL STUDIES, 1961, A COLLECTION OF NINE CONTRIBUTIONS, APRIL 1962.
BY — DDC NR.
CONTRACT NR. AF 19(604)-2065
PROJ/TASK NR. 8620-86204

AFCRL-62-460(I)
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
RHODIUM-102 HIGH ALTITUDE TRACER EXPERIMENT I, STRATOSPHERIC RESULTS, JULY 1962.
BY KALKSTEIN, M I — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7690

AFCRL-62-461
CALIFORNIA UNIVERSITY OF
PRESSURE AS A FUNCTION OF DISTANCE . PART I, MAY 1, 1962
BY DAVID, F N — DDC NR.
CONTRACT NR. AF 19(604)-8051
PROJ/TASK NR. 8624-862402

AFCRL-62-462
CORNELL UNIVERSITY
SOME CHARACTERISTICS OF RADAR ANGEL ECHOES, SEPTEMBER 30, 1962.
BY VRANA, N — DDC NR.
CONTRACT NR. AF 19(604)-6160
PROJ/TASK NR. 8622-86222

AFCRL-62-463
ARCTIC INSTITUTE OF NORTH AMERICA
PHYSICAL PROPERTIES OF THE ICE OF FLETCHER-S ICE ISLAND (T-3) MARCH 1962.
BY NAKAYA, U; MUGURUMA, J — DDC NR.
CONTRACT NR. AF 19(604)-8343
PROJ/TASK NR. 7628-76297

AFCRL-62-464
ARCTIC INSTITUTE OF NORTH AMERICA
GLACIOLOGICAL STUDIES ON FLETCHER-S ICE ISLAND(T-3) MARCH 1962.
BY NAKAYA, U; MUGURUMA, J — DDC NR.
CONTRACT NR. AF 19(604)-8343
PROJ/TASK NR. 7628-76297

AFCRL-62-465
IOWA STATE UNIVERSITY
SONIC ANEMOMETER DATA ACQUISITION AND ANALYSIS SYSTEM AND CALCULATION OF EULERIAN SCALE OF TURBULENCE FROM BIVANE DATA, MARCH 3, 1962.
BY STEWART, JR, R. W.; POST R. E.; SMAY T. A.; CARSON, J. F. — DDC NR.
CONTRACT NR. AF 19(604)-2661
PROJ/TASK NR. 7655-76552

AFCRL-62-466
TEXAS INSTURMENTS INCORPORATED
(U) SATAN - SENSORS FOR AIRBORNE TERRAIN ANALYSIS FINAL REPORT APRIL 27, 1962, CONFIDENTIAL
BY FEDER, A M — DDC NR.
CONTRACT NR. AF 19(604)-8858
PROJ/TASK NR. 7628-762803

AFCRL-62-467
COLUMBIA UNIVERSITY
ATTENUATION OF DISPERSED WAVE TRAINS, JANUARY 1962. REPRINTED FROM BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, V. 52, #1, PP. 109-112, JANUARY 1962
BY BRUNE, J N — DDC NR.
CONTRACT NR. AF 19(604)-7376
CONTRACT NR. AF 19(604)-8485
PROJ/TASK NR. 8652-86522
PROJ/TASK NR. 8652-86526

AFCRL-62-468
COLUMBIA UNIVERSITY
RAYLEIGH WAVE DISPERSION IN THE PACIFIC OCEAN FOR THE PERIOD RANGE 20 TO 140 SECONDS, APRIL 1962. REPRINTED FROM BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, V. 52, #2, PP. 333-357, APRIL 1962
BY KUO, J; BRUNE, J; MAJOR, M — DDC NR.
CONTRACT NR. AF 19(604)-7376
PROJ/TASK NR. 8652-86522

AFCRL-62-469
WASHINGTON, UNIVERSITY, OF
DETAILED ANALYSES OF SELECTED PACIFIC STORMS BASED ON CONTINUOUS RADAR RECORDS AND SHORT-INTERVAL SERIAL ASCENTS, VOL. V, CASE OF JUNE 5-7, 1961, JULY 1962.
BY REED, R. J. — DDC NR.
CONTRACT NR. AF 19(604)-5192
PROJ/TASK NR. 8641-86221

AFCRL-62-470
COLUMBIA, UNIVERSITY
POSTGLACIAL UPLIFT IN NORTH AMERICA, MARCH 1962. REPRINTED FROM AMERICAN JOURNAL OF SCIENCE, V. 260, PP. 181 199, MARCH 1962
BY FARRAND, W R — DDC NR.
CONTRACT NR. AF 19(604)-7442
PROJ/TASK NR. 8623-862304

AFCRL-62-471
COLUMBIA UNIVERSITY
PLEISTOCENE ICE VOLUMES AND SEA-LEVEL LOWERING, MARCH 1962. REPRINTED FROM THE JOURNAL OF GEOLOGY, V. 70, #2, MARCH 1962
BY DONN, W L
[illegible]
EWING, M
DDC NR.
[illegible] AF 19(604)-7442
PROJ/TASK NR. 8623-862304

AFCRL-62-472
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PERCEPTION OF PITCH, TIMBRE, AND LOUDNESS, MAY 1962. REPRINTED FROM THE JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL. 33, NO. 11, 1550-1557, NOVEMBER 1961
BY JENKINS, R A
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5632

AFCRL-62-473
PENNSYLVANIA STATE UNIVERSITY
FIELD EMISSION MICROSCOPY OF RE-MO ALLOYS AND STUDIES OF FIELD INDUCED SURFACE REACTIONS, MARCH 31, 1962.
BY MULLER, E W
DDC NR.
CONTRACT NR. AF 19(604)-8336
PROJ/TASK NR. 6694-669409

AFCRL-62-474
METEOROLOGY RESEARCH, INC.
STUDY OF CONTRAIL DATA EVALUATION APRIL 30, 1962.
BY SMITH, T R
DDC NR.
CONTRACT NR. AF 19(604)-6652
PROJ/TASK NR. 7695-76954

AFCRL-62-475
HARVARD UNIVERSITY
LABORATORY STUDIES OF ATOMIC AND ELECTRONIC COLLISION PROCESSES RELEVANT TO THE STUDY OF THE UPPER ATMOSPHERE.
BY CARLETON, N. P.
DDC NR.
CONTRACT NR. AF 19(604)-4984
PROJ/TASK NR. 7673-76733

AFCRL-62-476
LOWELL OBSERVATORY
THE STUDY OF SOLAR ENERGY OUTPUT FROM 1953 TO 1961 BY DIFFERENTIAL METHODS, APRIL 1962.
BY HALL, J S
JOHNSON, H L
HARDIE, R H
SFRKOWSKI, K
DDC NR.
CONTRACT NR. AF 19(604)-8031
PROJ/TASK NR. 5219-764903

AFCRL-62-477
INTERMOUNTAIN WEATHER, INC.
SPACIAL VARIATIONS OF VARIOUS METEOROLOGICAL PARAMETERS.
BY HALES, J V
DDC NR.
CONTRACT NR. AF 19(604)-7333
PROJ/TASK NR. 8624-862402

AFCRL-62-478
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A GENERAL SUMMARY OF SCARAMENTO PEAK WEATHER AUGUST 1954 THROUGH DECEMBER 1961, MAY 1962
BY DEMASTUS, H L
DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRL-62-479
ARCTIC INSTITUTE OF NORTH AMERICA
OCEANOGRAPHIC OBSERVATIONS AT FLETCHER-S ICE ISLAND (T-3) IN THE ARCTIC OCEAN IN 1959-1960, MARCH 1962.
BY KUSUNOKI, K
MUGURUMA, J
HIGUCHI, K
DDC NR.
CONTRACT NR. AF 19(604)-8343
PROJ/TASK NR. 7623-76297

AFCRL-62-480
CHICAGO, UNIVERSITY OF
RESEARCH ON ATMOSPHERIC ATTENUATION OF INFRARED RADIATION, APRIL 1962.
BY BETZ, H. T.
KAUTH, R. J.
DDC NR.
CONTRACT NR. AF 19(604)-5877
PROJ/TASK NR. 4991-49910

AFCRL-62-481
MCGILL UNIVERSITY
KINETICS AND MASS SPECTROMETRY OF ATMOSPHERIC ATOMS AND MOLECULES, MAY 1962.
BY SCHIFF, H. I.
DDC NR.
CONTRACT NR. AF 19(604)-4104
PROJ/TASK NR. 7635-76367

AFCRL-62-482
MCGILL UNIVERISTY.
REACTIONS OF ACTIVE NITROGEN, MAY 1961.
BY WINKLER, C. A.
SCHIFF, H. I.
DDC NR.
CONTRACT NR. AF 19(604)-5979
PROJ/TASK NR. 4984

AFCRL-62-483
COLUMBIA UNIVERSITY
SEISMOLOGICAL STUDIES, APRIL 30, 1962.
BY POMEROY, P W
DDC NR.
CONTRACT NR. AF 19(604)-8375
PROJ/TASK NR. 8652-86525

AFCRL-62-484
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
GUENTER LOESER MEMORIAL LECTURE, INTERPLANETARY IONIZATION BY SOLAR EXTREME ULTRAVIOLET RADIATION, 1960.
BY HINTEREGGER, H. H.
DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRL-62-485
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) SILENT AREA WIND PREDICTION FOR USAF MANNED BOMBERS APRIL 1962, SECRET
BY DARLING, E M
LUND, I A
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8641

AFCRL-62-486
ALLIED RESEARCH ASSOCIATES, INC.
THE MOTION AND PREDICTABILITY OF AMORPHOUS FIELDS OF PRECIPITATION, DECEMBER 1, 1961.
BY BOUCHER, R. J.
WEXLER, R.
DDC NR.
CONTRACT NR. AF 19(604)-5204
PROJ/TASK NR. 8620-862004

AFCRL-62-487
ALLIED RESEARCH ASSOCIATES, INC.
WEATHER RADAR RESEARCH AND APPLIED TECHNIQUES, NOVEMBER 30, 1961.
BY BOUCHER, R. J.
DDC NR.
CONTRACT NR. AF 19(604)-5204
PROJ/TASK NR. 8620-862004

AFCRL-62-488
ILLINOIS, UNIVERSITY OF
NON-LINEAR RESPONSE OF PLASMAS TO ELECTROMAGNETIC WAVES AND SURFACE WAVE PROPAGATION IN MAGNETO PLASMAS, MAY 1, 1962.
BY VERDEYEN J. T.
GOLDSTEIN, L.
DDC NR.
CONTRACT NR. AF 19(604)-3481
CONTRACT NR. AF 19(604)-5565
PROJ/TASK NR. 8653-86532

AFCRL-62-489
ILLINOIS, UNIVERSITY OF
INTERACTION OF MICROWAVES IN GASEOUS PLASMAS IMMERSED IN MAGNETIC FIELDS, APRIL 1, 1962.
BY RAO K. V. N.
GOLDSTEIN, L.
DDC NR.
CONTRACT NR. AF 19(604)-3481
PROJ/TASK NR. 8653-865302

AFCRL-62-490
COLUMBIA UNIVERSITY
PERIOD EQUATION FOR WAVES OF RAYLEIGH TYPE OF A LAYERED, LIQUID-SOLID HALF SPACE, APRIL 1962.
REPR. FR. BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA VOL. 52, NO. 2, PP. 389-397
BY DORMAN, J
DDC NR.
CONTRACT NR. AF 19(604)-8375
CONTRACT NR. AF 19(604)-7376
PROJ/TASK NR. 8652-86525
PROJ/TASK NR. 8652-86522

AFCRL-62-491
MCGILL UNIVERSITY
THE STRATOSPHERIC TEMPERATURE FIELD AT HIGH LATITUDES, 100 MB DATA, 1949-1959 WINTERS, FEBRUARY 1962.
PUBLICATION IN METEOROLOGY NO. 46
BY WILSON, C V
GODSON, W L
DDC NR.
CONTRACT NR. AF 19(604)-8431
PROJ/TASK NR. 8628-862807

AFCRL-62-492
TRAVELERS WEATHER RESEARCH CENTER
OPTIMUM SUBDIVISION OF A VARIABLE BY THE METHOD OF D. R. COX, APRIL 1962.
BY BRYAN, J G
SOUTHAN, J R
DDC NR.
CONTRACT NR. AF 19(604)-5207
PROJ/TASK NR. 8628-86281

AFCRL-62-493
CALIFORNIA, UNIVERSITY OF
THE PROPAGATION OF ERROR IN NUMERICAL INTEGRATION OF THE DISCRETE VORTICITY EQUATION, MAY 15, 1962.
BY GATES, W L
DDC NR.
CONTRACT NR. AF 19(604)-6149
PROJ/TASK NR. 8628-86280

AFCRL-62-494
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ATLAS OF MONTHLY MEAN STRATOSPHERE CHARTS, 1955-1959, PART I, JANUARY-JUNE, MAY 1962.
BY MUENCH, H S
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8604

AFCRL-62-494(II)
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ATLAS OF MONTHLY MEAN STRATOSPHERE CHARTS, 1955-1959, PART II, JULY-DECEMBER OCTOBER 1962.
BY MUENCH, H S
BORDEN, JR., T R
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8604

AFCRL-62-495
CALIFORNIA UNIVERSITY OF
AN ,,EFFECTIVE,, STOCHASTIC MODEL FOR INTERPRETING THE CORRELATION BETWEEN THE PRECIPITATION AT TWO STATIONS JULY 31, 1962.
BY DAVID, F N
DDC NR.
CONTRACT NR. AF 19(604)-8051
PROJ/TASK NR. 8624-862402

AFCRL-62-496
CALIFORNIA, UNIVERSITY OF
PERSISTENCE IN A CHAIN OF MULTIPLE EVENTS WHEN THERE IS SIMPLE DEPENDENCE, MAY 31, 1962.
BY BARTON, D F
DAVID, F N
FIX, E
DDC NR.
CONTRACT NR. AF 19(604)-8051
PROJ/TASK NR. 8624-862402

AFCRL-62-498
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SUMMARY REPROT - PROJECT ICE WAY MAY 1962.
BY KINGERY, W D
ANDERSON, D L
BROWN, J B
COBLE, R L
DYKINS, J F
FRENCH, D N
HOBBS, JR., M A
HORTON, C O
KINGERY, W D
KLICK, D W
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7628

AFCRL-62-899
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
VERTICAL VELOCITIES OBTAINED FROM AIRCRAFT ACCELEROMETER MEASUREMENTS IN A SEVERE THUNDERSTORM, MAY 1962.
BY CARLSON, T N — DDC NR.
GLASS, M — CONTRACT NR.
PROJ/TASK NR. 8670

AFCRL-62-900
NEW YORK UNIVERSITY
NON-EUCLIDEAN GEOMETRIC REPRESENTATIONS FOR MICROWAVE NETWORKS, MARCH 1962.
BY STOCK, D J B — DDC NR.
KAPLAN, L J — CONTRACT NR. AF 19(604)-7486
PROJ/TASK NR. 5639-563901

AFCRL-62-902
NORTHEASTERN UNIVERSITY
A SURVEY OF THE THEORIES UNDERLYING THE MEASUREMENT OF PLASMA PARAMETERS, JUNE 5, 1962.
BY MORIN, JR., T J — DDC NR.
LANZA, G — CONTRACT NR. AF 19(604)-8462
PROJ/TASK NR. 4619-461902

AFCRL-62-903
TYCO, INC.
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH, JUNE 14, 1962.
BY WEINSTEIN, M — DDC NR.
ABELSON, S D — CONTRACT NR. AF 19(604)-8001
MLAVSKY, A I — PROJ/TASK NR. 4608-460806

AFCRL-62-904
NEW YORK UNIVERSITY
THE THREE-DIMENSIONAL INVERSE SCATTERING PROBLEM, JULY 1962.
BY KAY, I. — DDC NR.
CONTRACT NR. AF 19(604)-5499
PROJ/TASK NR. 5631-563104

AFCRL-62-905
MICROWAVE ASSOCIATES, INC.
STUDY OF PLASMA AMPLIFIERS, APRIL 30, 1962.
BY COCCOLI, J — DDC NR.
CONTRACT NR. AF 19(604)-8372
PROJ/TASK NR. 4610-461008

AFCRL-62-906
BRANDEIS UNIVERSITY
THEORETICAL STUDIES OF PARAMAGNETIC RELAXATION, JUNE 1, 1962.
BY FALKOFF, D. L. — DDC NR.
CONTRACT NR. AF 19(604)-6107
PROJ/TASK NR. 5621-562111

AFCRL-62-907
CORNELL UNIVERSITY
THEORETICAL STUDIES FOR THE PURPOSES OF PREPARING EXPERIMENTS TO BE CONDUCTED WITH THE DEPARTMENT OF DEFENSE IONOSPHERIC RESEARCH FACILITY, JUNE 15, 1962.
BY CHOEN, M, H. — DDC NR.
BOOKER, H. G. — CONTRACT NR. AF 19(604)-8804
PROJ/TASK NR. 4701

AFCRL-62-908
COLORADO, UNIVERSITY OF
THE ASSOCIATION OF TYPE III BURSTS AND SOLAR FLARES, AUGUST 1962.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 135, NO. 3, MAY 1962
BY MALVILLE, J. M. — DDC NR.
CONTRACT NR. AF 19(604)-7072
PROJ/TASK NR. 5631-563119

AFCRL-62-909
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON THE MAPPING OF EXTENDED SOURCES WITH NONLINEAR CORRELATION ANTENNAS, JULY 1962.
REPRINTED FROM IRE TRANSACTIONS ON ANTENNAS AND PROPAGATION, VOL. AP-10, NO. 2, MARCH 1962
BY DRANE, C J — DDC NR.
PARRENT, JR., G B — CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-62-910
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ACTIVE REALIZATION OF TCHEBYCHEFF PARAMETER FILTERS, JULY 1962.
BY JAGODA, N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4620

AFCRL-62-911
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ACTIVE SINGLE-SIDEBAND PHASE SHIFTERS, JULY 1962.
BY JAGODA, N — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4610

AFCRL-62-912
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
FOURIER-TRANSFORM METHODS FOR PATTERN RECOGNITION, JULY 1962.
BY JONES, C W — DDC NR.
KELLAHER, J F — CONTRACT NR.
DILLARD, J M — PROJ/TASK NR. 4691
BERNSTEIN, S L

AFCRL-62-913
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR REFRACTORY SUBSTRATE COMBINATIONS, JUNE 27, 1962 .
BY APPLEGE, J M — DDC NR.
CONTRACT NR. AF 19(628)-270
PROJ/TASK NR. 4619-461901

AFCRL-62-914
BOEING COMPANY
AN INVESTIGATION OF SOME PROBLEMS ASSOCIATED WITH PHASE SCANNED ARRAYS, MAY 19, 1962.
BY DDC NR.
CONTRACT NR. AF 19(604)-6189
PROJ/TASK NR. 4600-460001

AFCRL-62-915
[illegible]
DEFECT PRODUCTION, INTERNAL FRICTION, AND YOUNGS MODULUS IN DEUTERON IRRADIATED TUNGSTEN, DECEMBER 1961.
BY MUSS, D R — DDC NR.
CONTRACT NR. AF 19(604)-9906
PROJ/TASK NR. 9670-967002

AFCRL-62-916
TEXAS, UNIVERSITY OF
THE USE OF THE THOMO CAVITY MODES FOR DIELECTRIC DISTRIBUTION JULY 15, 1962.
BY DEAM, A P — DDC NR.
CONTRACT NR. AF 19(604)-8038
PROJ/TASK NR. 5631-563104

AFCRL-62-917
TEXAS, UNIVERSITY OF
EVALUATION OF EARTH PROBE ANTENNAS FOR VLF RECEPTION JUNE 29, 1962.
BY MARTIN, P F — DDC NR.
BOSTICK, F X — CONTRACT NR. AF 19(604)-8419
DEAM, A P — PROJ/TASK NR. 4610-461001
STRAITON, A W

AFCRL-62-918
POLYTECHNIC INSTITUTE OF BROOKLYN
SYNTHESIS OF LOGIC CIRCUITS HAVING BILATERAL OR UNILATERAL TRANSMISSION FUNCTIONS, MAY 5, 1962
BY DAITCH, P M — DDC NR.
CONTRACT NR. AF 19(604)-6620
PROJ/TASK NR. 5632-563229

AFCRL-62-919
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
A TIME SHARING SYSTEM FOR THE PDP-1 COMPUTER, JUNE 1962.
BY YATES, J F — DDC NR.
CONTRACT NR. AF 19(604)-6656
PROJ/TASK NR. 4641-464102

AFCRL-62-920
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A RELATIVISTIC PARADOX, JULY 1962.
BY DEWAN, E M — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5639

AFCRL-62-921
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON THE MECHANISM OF PERMANENT MEMORY, JULY 1962.
BY DEWAN, E M — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5639

AFCRL-62-922A
GENERAL ELECTRIC COMPANY
APPLICATIONS OF TUNNELING TO ACTIVE DIODES, FINAL REPORT, MAY 31, 1962 .
BY DDC NR.
CONTRACT NR. AF 19(604)-6629
PROJ/TASK NR. 4608-460808

AFCRL-62-923
POLYTECHNIC INSTITUTE OF BROOKLYN
COMPLEX GUIDED WAVES PART II - RELATION TO RADIATION PATTERNS, APRIL 30, 1962.
BY TAMIR, T — DDC NR.
OLINER, A A — CONTRACT NR. AF 19(604)-7499
PROJ/TASK NR. 4600-460017

AFCRL-62-924
SYLVANIA ELECTRONIC SYSTEMS
RESEARCH PROGRAM TO EXTEND THE THEORY OF WEIGHT DISTRIBUTION AS RELATED PROBLEMS FOR CYCLIC ERROR-CORRECTING CODES, JUNE 30, 1960.
BY ASSMUS, JR., E F — DDC NR.
MATTSON, H F — CONTRACT NR. AF 19(604)-8416
PROJ/TASK NR. 5632-563229

AFCRL-62-925
NEW YORK UNIVERSITY
TWO CLASSES OF CODES FOR IMPROVING FEEDBACK COMMUNICATION EFFICIENCY, JUNE 19, 1962.
BY WEITNER, J J — DDC NR.
CONTRACT NR. AF 19(604)-6168
PROJ/TASK NR. 4610-461001

AFCRL-62-926
ROHSON METALS CORPORATION
MATERIALS FOR AND THE MECHANISM OF GETTERING MULTIPLE COMPONENT GASES, JUNE 29, 1962.
BY EPSTEIN, L — DDC NR.
KAUFMAN, L J — CONTRACT NR. AF 19(604)-8430
PROJ/TASK NR. 4619-461901

AFCRL-62-927
MINNESOTA, UNIVERSITY OF
STUDIES OF PRIMARY ELECTRON SOURCES, MAY 1962.
BY ANDERSON, D F — DDC NR.
CONTRACT NR. AF 19(604)-8481
PROJ/TASK NR. 4619-461901

AFCRL-62-928
RARDGENICS, INC.
INVESTIGATION OF MASSIVE SUPPORT PRINCIPLE FOR ULTRA HIGH PRESSURE ANVILS, JUNE 1962.
BY GERARD, G — DDC NR.
CONTRACT NR. AF 19(604)-7638
PROJ/TASK NR. 5621-562101

AFCRL-62-929
STANFORD UNIVERSITY
THEORY OF R-F PROBE MEASUREMENTS IN A FULLY IONIZED PLASMA, JUNE 1962.
BY DEFFLER, M. DDC NR.
CONTRACT NR. AF 19(604)-5480
PROJ/TASK NR. 5636-563602

AFCRL-62-930
STANFORD UNIVERSITY
PLASMA RESEARCH AT STANFORD ELECTRONICS LABORATORIES, JUNE 1962.
BY DDC NR.
CONTRACT NR. AF 19(604)-5861
PROJ/TASK NR. 5636-563603

AFCRL-62-931
NATIONAL OBSERVATORY OF ATHENS
OBSERVATIONS MADE AT ATHENS IONOSPHERIC INSTITUTE DURING THE SERIES OF NUCLEAR WEAPON TESTS AT NOVAYA ZEMLYA BETWEEN SEPTEMBER 10 AND NOVEMBER 6, 1961, MARCH 15, 1962.
BY ANASTASSIADES, M DDC NR.
ILIAS, D CONTRACT NR. AF 61(052)-261
MORAITIS, G PROJ/TASK NR. 5631
GIOULEAS, P

AFCRL-62-932
SPACE TECHNOLOGY LABORATORIES INC.
ON THE PRODUCTION OF AND SCATTER PROPAGATION FROM ARTIFICIAL IRREGULARITIES IN THE IONOSPHERIC D-LAYER, JUNE 1962.
BY GARDNER, J. M. DDC NR.
CONTRACT NR. AF 19(604)-8844
PROJ/TASK NR. 8643

AFCRL-62-933
SPACE TECHNOLOGY LABORATORIES, INC
ALTERING THE ELECTRON DENSITY IN THE D-REGION A NEW TOOL FOR IONOSPHERIC D-LAYER RESEARCH, JULY 1962.
BY MOLMUD, P. DDC NR.
CONTRACT NR. AF 19(604)-8844
PROJ/TASK NR. 8643

AFCRL-62-934
GENERAL TELEPHONE & ELECTRONICS LABORATORIES, INC.
STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES, PERIOD COVERING APRIL 1, 1962 - JUNE 30, 1962
BY FLORIO, J DDC NR.
CONTRACT NR. AF 19(604)-7206
PROJ/TASK NR. 4610-461001

AFCRL-62-935
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
DIAMOND AS A SEMICONDUCTOR MATERIAL, JULY 1962.
BY JOHNSON, A D DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5627

AFCRL-62-936
RAYTHEON COMPANY
(U) THE COMPUTER SIMULATION OF MISSILE EFFECTS, JUNE 1962, SECRET
BY GROSSI, M. D. DDC NR.
LOMBARDINI, P. P. CONTRACT NR. AF 19(604)-5986
DOVIAK, R. J. PROJ/TASK NR. 6669-666901
GUNTHER, R. C.
IWANOWICZ, M. A.

AFCRL-62-937
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) CLASSIFIED PROCEEDINGS OF THE SECOND SYMPOSIUM ON THE PLASMA SHEATH - ITS EFFECT UPON REENTRY COMMUNICATION AND DETECTION, HELD AT BOSTON, MASSACHUSETTS 10-12 APRIL 1962, SEPTEMBER 1962, SECRET
BY FELIS, JR., C F DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4642

AFCRL-62-938
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SPEECH RECOGNITION A MODEL AND A PROGRAM FOR RESEARCH FEBRUARY 1962.
REPR. FR. IRE TRANSACTIONS ON INFORMATION THEORY, 1962
BY HALLE, M DDC NR.
STEVENS, K N CONTRACT NR. AF 19(604)-6102
PROJ/TASK NR. 4610-461002

AFCRL-62-939
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
STUDIES OF NASAL CONSONANTS WITH AN ARTICULATORY SPEECH SYNTHESIZER
REPR FR J. OF THE ACOUSTICAL SOCIETY OF AMERICA, VOL 34, NO 2, 179-188, FEB 1962
BY HECKER, M H L DDC NR.
CONTRACT NR. AF 19(604)-6102
PROJ/TASK NR. 4610-461002

AFCRL-62-940
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH JULY 31, 1962.
BY BLANC, J DDC NR.
BUBE, R H CONTRACT NR. AF 19(604)-6152
LIEBMANN, W K PROJ/TASK NR. 6608-660808
RICHMAN, D
WEISBERG, L R

AFCRL-62-941
RADIO CORPORATION OF AMERICA
INSULATED GATE FIELD EFFECT SILICON TRIODES, JUNE 1, 1962.
BY SEELY, W F DDC NR.
CONTRACT NR. AF 19(604)-8056
PROJ/TASK NR. 4649-464904
PROJ/TASK NR. 4641-464104

AFCRL-62-942
RAYTHEON COMPANY
(U) ACOUSTIC WAVE PROPAGATION IN THE IONOSPHERE PRELIMINARY DESIGN FOR LABORATORY EXPERIMENTS, MAY 1962, SECRET
BY ATHANIS, T. C. DDC NR.
KELLEY, J. G. CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR 6669-666901

AFCRL-62-943
RAYTHEON COMPANY
(U) WAVE PROPAGATION IN A PARTLY IONIZED GAS, MAY 1962, SECRET
BY TANENBAUM, B. S. DDC NR.
CONTRACT NR. AF 19(604)-5986
PROJ/TASK NR. 6669-666901

AFCRL-62-944
ISRAEL INSTITUTE OF TECHNOLOGY
ABSORPTION OF AUDIO-FREQUENCY ELECTROMAGNETIC WAVES TRAVERSING THE IONOSPHERE IN THE MAGNETIONIC MODE JANUARY 17, 1962.
BY ALTMAN, C DDC NR.
CORY, H CONTRACT NR. AF 61(052)-[illegible]
PROJ/TASK NR. 5631

AFCRL-62-945
DENMARK, TECHNICAL UNIVERSITY OF
A SURVEY OF THE LITTERATURE ON MIXED PATH PROPAGATION MARCH 1962.
BY LARSEN, T DDC NR.
CONTRACT NR. AF 61(052)-[illegible]
PROJ/TASK NR. 5638

AFCRL-62-946
CENTRO DE STUDIO PER LA FISICA DELLE MICRODONDE, FLORENCE ITALY
RADAR-ECHO RATE FROM SHOWER METEORS - PART I, THE METEOR INVESTIGATION, APRIL 10, 1962
BY CARRARA, N DDC NR.
CONSORTINI, A CONTRACT NR. AF 61(052)-[illegible]
MONCHI, L PROJ/TASK NR. 5631

AFCRL-62-947
SICA UNIVERSITY OF
RECOVERY OF INFORMATION TRANSFERRED INTO PHASE MODULATION IN IONOSPHERIC WAVE PATHS, FEBRUARY 1962.
BY MANCIANTI, M DDC NR.
MARCHETTI, G CONTRACT NR. AF 61(052)-359
PROJ/TASK NR. 5631

AFCRL-62-948
HARVARD UNIVERSITY
FRESNEL GAIN OF APERTURE ANTENNA MAY 21, 1962.
(REF 19, 1962).
BY SHEFFER, J. DDC NR.
CONTRACT NR. AF 19(604)-6118
PROJ/TASK NR. 5635-563502

AFCRL-62-949
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A PHRASE-STRUCTURE LANGUAGE TRANSLATOR, AUGUST 1962.
BY BASTIAN, JR., A L DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6661

AFCRL-62-950
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
THE HYDROMAGNETIC WAVE TURF THEORETICAL INVESTIGATION OF MODE CONVERSIONS, AUGUST 1962.
BY DECOURCY, JR., D J DDC NR.
REUCE, W H CONTRACT NR.
PROJ/TASK NR. 5635

AFCRL-62-951
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON CONJUNCTIVE NOMINALIZATIONS IN ENGLISH, AUGUST 1962.
BY JENKINS, P A DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6610

AFCRL-62-952
LOCKHEED AIRCRAFT CORPORATION
HYDROMAGNETIC EMISSIONS, X-RAY BURSTS AND ELECTRON BUNCHES, JULY 1962.
BY TEPLEY, L. R. DDC NR.
WENTWORTH, R. C. CONTRACT NR. AF 19(604)-5906
PROJ/TASK NR. 5631-563101

AFCRL-62-952R
GENERAL ELECTRIC COMPANY
APPLICATION OF TUNNELING TO ACTIVE DIODES FINAL REPORT MAY 31, 1962.
BY DDC NR.
CONTRACT NR. AF 19(604)-6623
PROJ/TASK NR. 6608-660808

AFCRL-62-953
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
MAGNETIC LOSS PHENOMENA IN FERROMAGNETIC MATERIALS, JULY 1962.
BY EPSTEIN, D J DDC NR. 255696
CONTRACT NR. AF 19(604)-8482
PROJ/TASK NR. 5620-562001

AFCRL-62-954
ITT FEDERAL LABORATORIES
RESEARCH AND DEVELOPMENT FOR SINGLE CRYSTAL GROWTH BY ELECTROCHEMICAL TECHNIQUES, JULY 1962.
BY LIGHTY, P F DDC NR.
SHAREFIELD, D CONTRACT NR. AF 19(604)-8490
WEISSMANN, S PROJ/TASK NR. 6608-660801
SHOTER, A

AFCRL-62-955
OREGON STATE UNIVERSITY
LIGHT EMISSION CHARACTERISTICS DURING EARLY STAGES OF MICROWAVE PLASMA FORMATION, MARCH 1962.
BY BRADY, J. J. DDC NR.
TYNES, A. R. CONTRACT NR. AF 19(604)-5962
ANDERSON, W. P. PROJ/TASK NR. 5634-563401

AFCRL-62-956
WESTINGHOUSE RESEARCH LABORATORIES
SPIN-LATTICE RELAXATION AT DEFECT SITES, JUNE 5, 1962.
BY KLEMENS, P. G. DDC NR.
CASTLE, JR., J. G. CONTRACT NR. AF 19(604)-5589
FELDMAN, D. W. PROJ/TASK NR. 5621-562101

AFCRL-62-557
GENERAL ELECTRIC RESEARCH LABORATORY
INVESTIGATION OF SEMICONDUCTING PROPERTIES OF II-VI COMPOUNDS PERIOD COVERING JUNE 1, 1961-JUNE 1, 1962 JUNE 28, 1962.
BY AVEN, M — DDC NR.
WOODBURY, H H — CONTRACT NR. AF 19(604)-8512
PROJ/TASK NR. 4608-46088

AFCRL-62-558
GHANA, UNIVERSITY OF
THE HEIGHT OF NIGHT TIME F LAYER IRREGULARITIES AT THE EQUATOR, SEPTEMBER 9, 1961.
BY KENT, G S — DDC NR.
KOSTER, J R — CONTRACT NR. AF 61(052)-421
PROJ/TASK NR. 5631

AFCRL-62-559
GHANA, UNIVERSITY OF
SCATTERING OF RADIO WAVES IN THE IONOSPHERE JANUARY 6, 1962
BY CLEMESHA, B R — DDC NR.
WRIGHT, R W H — CONTRACT NR. AF 61(052)-421
PROJ/TASK NR. 5631

AFCRL-62-560
GHANA, UNIVERSITY OF
EQUATORIAL STUDY OF IRREGULARITIES IN THE IONOSPHERE JANUARY 28, 1962.
BY WRIGHT, R W H — DDC NR.
CONTRACT NR. AF 61(052)-421
PROJ/TASK NR. 5631

AFCRL-62-561
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ELECTRICAL RESISTIVITY OF SEMICONDUCTING DIAMOND, SEPTEMBER 1962.
BY JOHNSON, A D — DDC NR.
LITTLER, J R — CONTRACT NR.
WIELHOUWER, J P — PROJ/TASK NR. 5621

AFCRL-62-562
ILLINOIS, UNIVERSITY OF
A KINEMATIC TREATMENT OF THE APPROACH TO EQUILIBRIUM IN A PLASMA, JUNE 1962.
BY ICHIMARU, S — DDC NR.
CONTRACT NR. AF 19(604)-7473
PROJ/TASK NR. 4619-46191

AFCRL-62-563
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PLASMA SIMULATION BY ARTIFICIAL DIELECTRICS AND PARALLEL-PLATE MEDIA, JULY 1962.
REPR. FR. IRE TRANSACTIONS, ON ANTENNAS AND PROPAGATION, AP-10, NO. 1, JANUARY 1962
BY ROTMAN, W — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4642

AFCRL-62-564
POLYTECHNIC INSTITUTE OF BROOKLYN
RADIO STATION RECOGNITION COMPUTER PROGRAM AND TEST RESULTS JANUARY 12, 1962.
BY RUDNER, B — DDC NR.
BELLMER, W A — CONTRACT NR. AF 19(604)-6154
PROJ/TASK NR. 4691-469103

AFCRL-62-565
POLYTECHNIC INSTITUTE OF BROOKLYN
ALGEBRAIC COMPUTER LEARNING PROGRAM, JANUARY 17, 1962.
BY RUDNER, B — DDC NR.
CONTRACT NR. AF 19(604)-6154
PROJ/TASK NR. 4691-469103

AFCRL-62-566
STANFORD UNIVERSITY
THEORY OF RELAXATION PROCESSES IN FERROMAGNETIC INSULATORS JULY 1962.
BY SPARKS, M — DDC NR.
CONTRACT NR. AF 19(628)-342
PROJ/TASK NR. 4600

AFCRL-62-567
RAYTHEON COMPANY
(U) HF RADAR OBSERVATIONS OF MISSILE LAUNCHES, JULY 1962 (SECRET
BY — DDC NR.
CONTRACT NR. AF 19(604)-5984
PROJ/TASK NR. 4649-46494

AFCRL-62-568
AVCO-EVERETT RESEARCH LABORATORY
ELECTRIC SHOCK TUBE FOR HIGH VELOCITY SIMULATION, JULY 1962,
BY CAMM, J C — DDC NR.
ROSE, P H — CONTRACT NR. AF 19(604)-7458
PROJ/TASK NR. 5561-46308

AFCRL-62-569
SYSTEM DEVELOPMENT CORPORATION
QUOTIENTS OF CONTEXT FREE LANGUAGES, JULY 9, 1962.
BY GINSBURG, S — DDC NR.
SPANIER, E H — CONTRACT NR. AF 19(628)-485
PROJ/TASK NR. 4641-46410

AFCRL-62-570
CORNELL UNIVERSITY
AN INVESTIGATION OF ANOMALOUS TRANSHORIZON RADIOWAVE PROPAGATION OVER IRREGULAR TERRAIN, FEBRUARY 15, 1962.
BY CASSAM, R. — DDC NR.
CONTRACT NR. AF 19(604)-3494
PROJ/TASK NR. 4603-46032

AFCRL-62-571
CORNELL UNIVERSITY
ON THE TRANSFER FUNCTION FOR A RADIO SCATTER CHANNEL, MARCH 15, 1962.
BY HARDEBECK, H. E. — DDC NR.
CONTRACT NR. AF 19(604)-3494
PROJ/TASK NR. 4603-46032

AFCRL-62-572
HARVARD UNIVERSITY
INFORMATION STORAGE AND RETRIEVAL SEPTEMBER 1, 1962.
BY SALTON, G — DDC NR.
CONTRACT NR. AF 19(604)-8509
PROJ/TASK NR. 5632

AFCRL-62-573
MICHIGAN, UNIVERSITY OF
STUDIES IN NONLINEAR MODELING V NONLINEAR MODELING FUNCTIONS OF A SPECIAL TYPE AUGUST 1962.
BY RUEHR, O G — DDC NR.
CONTRACT NR. AF 19(604)-6655
PROJ/TASK NR. 5635-56351

AFCRL-62-574
BAY STATE ELECTRONICS CORPORATION
NON-LINEAR TRANSPORT TECHNIQUES FOR DECREASING IONIZATION IN PLASMAS, JULY 27, 1962.
BY SNOW, R M — DDC NR.
CONTRACT NR. AF 19(628)-299
PROJ/TASK NR. 8653

AFCRL-62-575
POLYTECHNIC INSTITUTE OF BROOKLYN
RADIATION FROM SEMI-INFINITE, SLOT-EXCITED PLASMA SHEATH CONFIGURATIONS, MAY 17, 1962.
BY TAMIR, T. — DDC NR.
OLINER, A. A. — CONTRACT NR. AF 19(604)-6143
PROJ/TASK NR. 5635-563501

AFCRL-62-576
NORTHEASTERN UNIVERSITY
SOME RECENT CONTRIBUTIONS TO THE LANCHESTER THEORY OF COMBAT, SEPTEMBER 18, 1961.
REPR. FROM OPERATIONS RESEARCH, VOL. 10, NO. 3, MAY-JUNE 1962
BY BACH, JR., R. E. — DDC NR.
DOLANSKY, L. — CONTRACT NR. AF 19(604)-4573
STUBBS, H. L. — PROJ/TASK NR. 5632

AFCRL-62-578
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
DESIGN FOR A FAILURE, AUGUST 1962.
BY BISHOP, W R — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4608

AFCRL-62-579
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
TUNNEL DIODES AT MICROWAVE FREQUENCIES, SEPTEMBER 1962.
BY BLAESER, G H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4610

AFCRL-62-580
ILLINOIS, UNIVERSITY OF
RESEARCH INTO SOME OF THE BASIC PHYSICS OF SHOCK WAVE PHENOMENA, AUGUST 1962.
BY HENDRICKS, C D — DDC NR.
GRUBER, C — CONTRACT NR. AF 19(604)-7411
BARTHEL, H — PROJ/TASK NR. 5561-46304
CARRUTHERS, G
GOLDSTEIN, L

AFCRL-62-581
RADIO CORPORATION OF AMERICA
HIGH-FIELD STUDY OF A HALL-EFFECT MICROWAVE CONVERTER AUGUST 31, 1962.
BY CHANG, K K N — DDC NR.
HUGHES, R D — CONTRACT NR. AF 19(628)-262
PROJ/TASK NR. 4645-46450

AFCRL-62-582
STANFORD UNIVERSITY
CYCLOTRON RESONANCE INTERACTION AT MILLIMETER WAVELENGTHS, AUGUST 1962.
BY CHOW, K. K. — DDC NR.
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-62-583
HUGHES AIRCRAFT COMPANY
AN EXPERIMENTAL NEGATIVE-CONDUCTANCE SLOT AMPLIFIER AT 6 GC JULY 1962.
BY BEHNKE, M C — DDC NR.
KING, A P — CONTRACT NR. AF 19(604)-8386
PROJ/TASK NR. 4600-460001

AFCRL-62-584
TEXAS, UNIVERSITY OF
THEORETICAL STUDY OF THE BANDWIDTH CAPABILITIES OF RADIO PROPAGATION MEDIA, AUGUST 31, 1962.
BY FANNIN, B M — DDC NR.
CONTRACT NR. AF 19(604)-8038
PROJ/TASK NR. 5631-563104

AFCRL-62-585
TUFTS UNIVERSITY
SPECTROSCOPIC INVESTIGATIONS OF SOLID STATE SURFACES CONTAINING ADSORBED MOLECULES, MAY 31, 1962.
BY WILSON, M. K. — DDC NR.
CONTRACT NR. AF 19(604)-4063
PROJ/TASK NR. 5620-56204

AFCRL-62-586
SHOCKLEY TRANSISTOR
STRUCTURAL IMPERFECTIONS IN SILICON P-N JUNCTIONS, JULY 15 1962.
BY GOETZBERGER, A — DDC NR.
CONTRACT NR. AF 19 (604)-8060
PROJ/TASK NR. 4608-46088

AFCRL-62-587
ILLINOIS, UNIVERSITY OF
MICROWAVE DIAGNOSTIC TECHNIQUES FOR PLASMA TRANSMISSION AND PLASMA POST IN WAVEGUIDE CONFIGURATIONS, JULY 30, 1962.
BY GOLDAN, P D — DDC NR.
LEIBY, C C — CONTRACT NR. AF 19(604)-7473
PROJ/TASK NR. 4619-46191

AFCRL-62-665
MANCHESTER UNIVERSITY OF
PROCEEDINGS OF A CONFERENCE ON PROBLEMS OF LUNAR TOPOGRAPHY, MARCH 1961.
BY GOPAL, Z — DDC NR.
FINLAY, F R — CONTRACT NR. AF 61(052)-400
PROJ/TASK NR. 8602

AFCRL-62-666
QUEEN-S UNIVERSITY, BELFAST
AN EXPANSION METHOD FOR CALCULATING ATOMIC PROPERTIES II. (1961)
BY COHEN, M — DDC NR.
DALGARNO, A — CONTRACT NR. AF 61(052)-131
MCNAMEE, J M — PROJ/TASK NR. 7639

AFCRL-62-667
QUEEN-S UNIVERSITY, BELFAST
THE CORRELATION ENERGIES OF THE HELIUM SEQUENCE. (1961)
BY SOMERVILLE, W B — DDC NR.
STEWART, A L — CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7639

AFCRL-62-668
QUEEN-S UNIVERSITY, BELFAST
THE ROTATIONAL EXCITATION OF MOLECULAR NITROGEN BY SLOW ELECTRONS. (1961)
BY DALGARNO, A — DDC NR.
MOFFETT, R J — CONTRACT NR. AF 61(052)-131
PROJ/TASK NR. 7639

AFCRL-62-669
NORTHERN UNIVERSITY
ANALYSIS OF ELLIPTICALLY POLARISED LIGHT, DECEMBER 1961.
BY BERGMAN, D — DDC NR.
CONTRACT NR. AF 61(052)-279
PROJ/TASK NR. 6692

AFCRL-62-670
GROUP FOR THE ADVANCEMENT OF SPECTROSCOPIC METHODS PARIS
VIBRATION-ROTATION ENERGIES OF POLYATOMIC MOLECULES IN THE CASE OF FIRST ORDER ANHARMONIC RESONANCE BETWEEN THREE NON-DEGENERATE VIBRATION FREQUENCIES, MARCH 1962.
BY GRENIER-BESSON, M L — DDC NR.
AMAT, G — CONTRACT NR. AF 61(052)-369
PROJ/TASK NR. 8601

AFCRL-62-671
UPPSALA UNIVERSITY OF
STANDARD ERRORS OF COSMIC RAY DATA CORRECTED FOR ATMOSPHERIC EFFECTS, JANUARY 1962.
BY DYRING, F — DDC NR.
LINDGREN, S — CONTRACT NR. AF 61(514)-1912
PROJ/TASK NR. 8600-86002

AFCRL-62-672
UPPSALA UNIVERSITY OF
GEOPHYSICAL ASPECTS OF COSMIC RAYS, MARCH 31, 1962.
BY SANDSTROM, A E — DDC NR.
CONTRACT NR. AF 61(514)-1912
PROJ/TASK NR. 8600

AFCRL-62-673
WOLF RESEARCH DEVELOPMENT CORPORATION
A SURFACE FITTING OBJECTIVE ANALYSIS PROGRAM JUNE 1962.
BY JONES, S — DDC NR.
SHRIBER, S — CONTRACT NR. AF 19(604)-7310
MOUNT, W — PROJ/TASK NR. 8662-86620
PENN, S
FINKEL, A

AFCRL-62-674
OBSERVATOIRE DE MEUDON (FRANCE)
RESEARCH STUDY AND DEVELOPMENT OF SOLAR PHOTOGRAPHIC FILTERS, DECEMBER 1961.
BY BREM, S — DDC NR.
CONTRACT NR. AF 61(052)-395
PROJ/TASK NR. 7669

AFCRL-62-675
INSTITUT NATIONAL DES SCIENCES APPLIQUEES (FRANCE)
ATOMS AND FREE RADICALS SPECTROSCOPY, APRIL 9, 1962.
BY PEYRON, M — DDC NR.
CONTRACT NR. AF 61(052)-407
PROJ/TASK NR. 6694

AFCRL-62-676
ROYAL INSTITUTE OF TECHNOLOGY (SWEDEN)
STUDIES ON SOLUTIONS CONTAINING RHODIUM IN THE OXIDATION STATE 5, RH (V) 1962.
ARKIV FOR KEMI BAND 19, NR 3
BY BERECKI-BIEDERMANN C — DDC NR.
CONTRACT NR. AF 61(052)-417
PROJ/TASK NR. 6696

AFCRL-62-677
GERMAN WEATHER SERVICE
ROSCHARACTERISTIC FILTERING OF METEOROLOGICAL NOISE WAVES DECEMBER 31, 1961.
BY MIKEPLMANN, E — DDC NR.
CONTRACT NR. AF 61(052)-379
PROJ/TASK NR. 8628

AFCRL-62-678
GERMAN WEATHER SERVICE
ON THE SOLVING PROCEDURE OF THE BALANCE EQUATION, DECEMBER 31, 1961.
BY EDELMANN, W — DDC NR.
REISER, H — CONTRACT NR. AF 61(052)-379
PROJ/TASK NR. 8628

AFCRL-62-679
GERMAN WEATHER SERVICE
EXPERIMENTS WITH THE UNFILTERED 9-LAYER MODEL, DECEMBER 31, 1961.
BY EDELMANN, W — DDC NR.
REISER, H — CONTRACT NR. AF 61(052)-379
PROJ/TASK NR. 8628

AFCRL-62-680
MICHIGAN, UNIVERSITY OF
FALLING-SPHERE EXPERIMENT FOR UPPER-AIR-DENSITY INSTRUMENTATION DEVELOPMENTS, FINAL REPORT APRIL 1962.
BY SCHULTZ, M F — DDC NR.
ROBINSON, D A — CONTRACT NR. AF 19(604)-8184
WAGENER, J L — PROJ/TASK NR. 6690-66900

AFCRL-62-681
[illegible]
CLOUD AMOUNT AND TYPE OVER THE ARCTIC JUNE 1962.
PUBLICATION IN METEOROLOGY NO. 51
BY VOWINCKEL, E — DDC NR.
CONTRACT NR. AF 19(604)-7419
PROJ/TASK NR. 8623-86230?

AFCRL-62-682
COLUMBIA UNIVERSITY
A WORLDWIDE STORM OF MICROSEISMS WITH PERIODS OF ABOUT 27 SECONDS, REPRINTED FROM BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, VOL. 52, NO. 3, PP. 507-517, JULY 1962
BY OLIVER, J — DDC NR.
CONTRACT NR. AF 19(604)-7378
CONTRACT NR. AF 19(604)-8375
PROJ/TASK NR. 8692-86922

AFCRL-62-683
HARVARD UNIVERSITY
SPECTRAL OBSERVATIONS OF SOLAR RADIO BURSTS, II. SLOW-DRIFT BURSTS AND CORONAL STREAMERS, JULY 1962.
REPRINTED FROM THE ASTROPHYSICAL JOURNAL, VOL. 135, NO. 1, JANUARY 1962
BY MAXWELL, A — DDC NR.
THOMPSON, A R — CONTRACT NR. AF 19(604)-8380
PROJ/TASK NR. 7669-76692

AFCRL-62-684
HARVARD UNIVERSITY
TYPE IV (CONTINUUM) RADIO BURSTS FROM THE SUN, JULY 1962.
REPRINTED FROM J. OF THE PHYSICAL SOCIETY OF JAPAN, VOL 17 SUPPLEMENT A-II, 1962
BY THOMPSON, A R — DDC NR.
CONTRACT NR. AF 19(604)-8380
PROJ/TASK NR. 7669-76692

AFCRL-62-685
CHICAGO, UNIVERSITY OF
RESEARCH ON HYDRODYNAMIC ANALOGUES OF LARGE-SCALE METEOROLOGICAL PHENOMENA, JUNE 1962.
BY FULTZ, D. — DDC NR.
CONTRACT NR. AF 19(604)-6569
PROJ/TASK NR. 8604-86041

AFCRL-62-686
OKLAHOMA, UNIVERSITY OF
ELECTRONIC STRUCTURE AND HYPERFINE COUPLING CONSTANTS FOR NO2 AND RELATED MOLECULES, JUNE 1962.
REPRINTED FROM THE J. OF CHEMICAL PHYSICS, VOL. 36, NO. 5, MARCH 1, 1962, PP. 1103-1107
BY HIJIKATA, K. — DDC NR.
LIN, C. C. — CONTRACT NR. AF 19(604)-5576
PROJ/TASK NR. 7639-76390

AFCRL-62-687
THERMO ELECTRON ENGINEERING CORP.
PARAMETRIC STUDY OF CLOSE-SPACED CESIUM THERMIONIC CONVERTERS, MAY 1962.
BY CARABATEAS, E N — DDC NR.
KITRILAKIS, S S — CONTRACT NR. AF 19(604)-8453
WEINSTEIN, J M — PROJ/TASK NR. 6692-66921

AFCRL-62-688
PENNSYLVANIA STATE UNIVERSITY
SUNRISE GEOMETRY AND THE OPTICAL DEPTH FACTOR, JULY 1, 1962.
BY SNIDER, W. — DDC NR.
CONTRACT NR. AF 19(604)-6503
PROJ/TASK NR. 8609-860901

AFCRL-62-689
BAYLOR UNIVERSITY
THE ABSORPTION OF ELECTROLYTICALLY GENERATED HYDROGEN BY IRON, JUNE 1962.
BY FRANKLIN, T C — DDC NR.
MATSUDA, F — CONTRACT NR. AF 19(604)-8614
PROJ/TASK NR. 6694-66946

AFCRL-62-690
NEW YORK UNIVERSITY
MESOSPHERE DYNAMICS, MAY 1962.
BY LONDON, J. — DDC NR.
DOYAMA, K. — CONTRACT NR. AF 19(604)-5492
PRABHAKARA, C. — PROJ/TASK NR. 8604-86044

AFCRL-62-691
LUDWIG-MAXIMILIANS-UNIVERSITAT
INVESTIGATION OF THE INFRARED EMISSION SPECTRUM OF THE ATMOSPHERE AND EARTH, MARCH 1962.
BY ROLLE, M J — DDC NR.
MOLLER, F — CONTRACT NR. AF 61(052)-488
QUERNZEL, H — PROJ/TASK NR. 8601

AFCRL-62-692
UPPSALA UNIVERSITY OF
STORM SUDDEN COMMENCEMENTS AND INCONSPICUOUS UNIVERSAL VARIATIONS, MARCH 31, 1962.
BY SANDSTROM, A E — DDC NR.
TRONCOSO, O L — CONTRACT NR. AF 61(514)-1312
PROJ/TASK NR. 8600-86002

AFCRL-62-693
UPPSALA UNIVERSITY OF
COSMIC RAY INTENSITY VARIATIONS DURING 1961, MARCH 31, 1962.
BY SANDSTROM, A E — DDC NR.
DYRING, F — CONTRACT NR. AF 61(514)-1312
GROMOVIST, B O — PROJ/TASK NR. 8600-86002
LINDGREN, S

AFCRL-62-676
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
BIBLIOGRAPHY OF LUNAR AND PLANETARY RESEARCH, 1961, JULY 1962.
BY SALISBURY, J W — DDC NR.
VAN TASSEL, R A — CONTRACT NR.
ADLER, J E M — PROJ/TASK NR. 8602

AFCRL-62-677
ARIZONA STATE COLLEGE
[illegible] 1962.
REPRINTED FROM INFRARED PHYSICS, 1962, VOL. 2, PP. 31-35
BY ADEL, A — DDC NR.
CONTRACT NR. AF 19<628>-301
PROJ/TASK NR. 7670-76703

AFCRL-62-678
STANFORD RESEARCH INSTITUTE
AN ANALYSIS OF THE OUTGOING INFRARED RADIATION AT OMAHA, NEBRASKA, 12-16 MARCH 1957, JULY 1962.
BY FURUKAWA, P M — DDC NR.
VIEZEE, W — CONTRACT NR. AF 19<628>-322
PROJ/TASK NR. 6698-66982

AFCRL-62-679
QUEEN-S UNIVERSITY, BELFAST
ELECTRON COOLING IN THE D REGION, <1962>
BY DALGARNO, A — DDC NR.
MOFFETT, R J — CONTRACT NR. AF 61<052>-131
PROJ/TASK NR. 7635

AFCRL-62-680
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
CLOUD INTERPRETATION FROM SATELLITE ALTITUDES, JULY 1962.
BY CONOVER, J H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6698

AFCRL-62-681
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
MEAN ANNUAL MID-LATITUDE MOISTURE PROFILES TO 31 KM JULY 1962.
BY GUTNICK, M — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8624

AFCRL-62-682
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ERRORS IN SIX AND TWELVE HOUR PREDICTIONS OF UPPER LEVEL WINDS, JULY 1962.
BY DARLING, JR., F M — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8641

AFCRL-62-683
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
GEOPHYSICAL DATA FROM U.S. ARCTIC OCEAN DRIFT SATATONS, 1957-1960 JULY 1962
BY CABANISS, G H — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7628

AFCRL-62-684
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
LECTURES ON NUMERICAL WEATHER PREDICTION, JULY 1962.
BY BERKOFSKY, L — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8628

AFCRL-62-685
TECHNICAL OPERATIONS INCORPORATED
DISPERSAL OF SUPERCOOLED FOG AND STRATUS CLOUDS, MARCH 30, 1962.
BY EDDY, A — DDC NR.
VICKERS, W — CONTRACT NR. AF 19<604>-8049
PROJ/TASK NR. 6697-669702

AFCRL-62-686
PHYSICAL STUDIES, INC.
DIPOLE MOMENT INDUCTION IN HOMONUCLEAR DIATOMIC MOLECULES JUNE 1, 1962.
BY BREENE, JR., R G — DDC NR.
CONTRACT NR. AF 19<604>-8417
PROJ/TASK NR. 8603-86033

AFCRL-62-687
STANFORD RESEARCH INSTITUTE
PHOTOCHEMICAL FLOW SYSTEMS IN THE SOLAR FURNACE, FINAL REPORT, PERIOD COVERING MARCH 15, 1960 - JUNE 30, 1962, JUNE 18, 1962.
BY MARCUS, R J — DDC NR.
CONTRACT NR. AF 19<604>-7302
PROJ/TASK NR. 6694-66942

AFCRL-62-688
ST. LOUIS UNIVERSITY
S WAVE STUDIES OF EARTHQUAKES OF THE NORTH PACIFIC, PART II ALEUTIAN ISLANDS, JULY 25, 1962.
BY STAUDER, W — DDC NR.
UDIAS, A — CONTRACT NR. AF 19<604>-7399
PROJ/TASK NR. 8652-865201

AFCRL-62-689
BERGEN UNIVERSITY OF
CONTRIBUTION OT STATISTICAL METEOROLOGY, 1, ON THE APPLICATION OF NON STATIONARY TIME SERIES TO THE STUDY OF NORWEGIAN AIR TEMPERATURES 1962.
REPRINTED FROM TH VILHELM BJERKNES CENTENARY VOLUME, V, XXIV, NO. 5, 1962
BY GODSKE, C L — DDC NR.
CONTRACT NR. AF 61<052>-416
PROJ/TASK NR. 6020

AFCRL-62-690
HARVARD UNIVERSITY
AN EXPERIMENTAL STUDY OF THE INSULATED DIPOLE ANTENNA IMMERSED IN A CONDUCTING MEDIUM MAY 25, 1962
BY IIZUKA, K — DDC NR.
CONTRACT NR. AF 19<604>-7262
PROJ/TASK NR. 7661-76615

AFCRL-62-691
SASKATCHEWAN, UNIVERSITY OF
T[illegible] SEASONAL VARIATION OF THE TWILIGHT SODIUM AIRGLOW IN THE SOUTHERN HEMISPHERE, DECEMBER 7, 1961.
REPR. FR. J. OF ATMOS. AND TERESS. PHYSICS, V. 24, PP. 345 351, 1962
BY TINSLEY, B A — DDC NR.
JONES, A V — CONTRACT NR. AF 19<604>-7265
PROJ/TASK NR. 7661-76612

AFCRL-62-692
SASKATCHEWAN, UNIVERSITY OF
RELATIVE ABUNDANCE OF LI, NA AND K IN THE UPPER ATMOSPHERE
REPR. FR. NATURE, V. 195, 04841, PP. 589-590, AUGUST 11, 1962
BY SULLIVAN, H M — DDC NR.
HUNTEN, D M — CONTRACT NR. AF 19<604>-7265
PROJ/TASK NR. 7661-76612

AFCRL-62-693
SASKATCHEWAN, UNIVERSITY OF
OBSERVATIONS OF N2 TWILIGHT AND SUNLIT AURORA, MAY 15, 1962
REPR. FR. CANADIAN J. OF PHYSICS, V. 40, 1962
BY LYTLE, E A — DDC NR.
HUNTEN, D M — CONTRACT NR. AF 19<604>-7265
PROJ/TASK NR. 7661-76612

AFCRL-62-694
SASKATCHEWAN, UNIVERSITY OF
THE PRODUCTION OF N2 IN THE ATMOSPHERE, AMY 1962.
REPR. FR. PLANET. SPACE SCI., 1963, VOL. 10, PP. 37-45
BY HUNTEN, D M — DDC NR.
CONTRACT NR. AF 19<604>-7265
PROJ/TASK NR. 7661-76612

AFCRL-62-695
AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>
ARCTIC EARTH SCIENCE INVESTIGATIONS GENTRUM K NORTHEAST GREENLAND, 1960, JULY 1962
BY NEEDLEMAN, S M — DDC NR.
BLACKE, E A — CONTRACT NR.
BLACKMON, C L — PROJ/TASK NR. 7628
DAVIES, W F
KRINSLEY, D B
MURPHREE, W H

AFCRL-62-696
NEW YORK UNIVERSITY
MINIMUM PRINCIPLE FOR MULTI-CHANNEL SCATTERING,
REPR. FR. THE PHYSICAL REVIEW, VOL. 125, NO. 4, PP. 1407-1414, FEBRUARY 15, 1962
BY ROSENBERG, L. — DDC NR.
SPRUCH, L. — CONTRACT NR. AF 19<604>-4555
PROJ/TASK NR. 7635-76361

AFCRL-62-697
NEW YORK UNIVERSITY
LOW-ENERGY SCATTERING OF A CHARGED PARTICLE BY A NEUTRAL POLARIZABLE SYSTEM,
REPR. FR. THE PHYSICAL REVIEW, VOL. 125, NO. 4, PP. 1300-1310, FEBRUARY 15, 1962
BY ROSENBERG, L. — DDC NR.
SPRUCH, L. — CONTRACT NR. AF 19<604>-4555
420MALLEY, T. F. — PROJ/TASK NR. 7635-76361

AFCRL-62-698
OHIO STATE UNIVERSITY
INFRARED ABSORPTION BY CARBON DIOXIDE, WATER VAPOR, AND MINOR ATMOSPHERIC CONSTITUENTS, JULY 1962.
BY BURCH, D E — DDC NR.
GRYVNAK, D — CONTRACT NR. AF 19<604>-2633
SINGLETON, E B — PROJ/TASK NR. 8603
FRANCE, W L
WILLIAMS, D

AFCRL-62-699
WESTERN ONTARIO, UNIVERSITY OF
MOLECULAR EXCITATION GROUP, JUNE 1, 1962.
BY NICHOLLS, R. W. — DDC NR.
CONTRACT NR. AF 19<604>-1718
CONTRACT NR. AF 19<604>-4560
PROJ/TASK NR. 7635-76361

AFCRL-62-700
RADIO CORPORATION OF AMERICA
INVESTIGATION OF TRANSPORTABLE SEARCH RADAR AND SIF EQUIPMENT, PHASE IV, APRIL 4, 1962.
BY LAUGINIGER, J — DDC NR.
REID, E — CONTRACT NR. AF 19<604>-8020
MORIN, R — PROJ/TASK NR. 2124-46227

AFCRL-62-701
RAYTHEON COMAPNY
RESEARCH ON THE CHEMISTRY AND SINGLE CRYSTAL GROWTH OF MAGNETIC OXIDES, JULY 31, 1962.
BY VAN HOOK, H J — DDC NR.
PALADINO, A E — CONTRACT NR. AF 19<604>-8474
ROITER, B D — PROJ/TASK NR. 4608-460803
MOZZI, R L
KOHANE, T

AFCRL-62-702
ROYAL SWEDISH ACADEMY OF SCIENCE
OBSERVATIONS OF RADIO TRANSMISSIONS FROM 1961 A-GAMMA 1 <DISCOVERER 32> MADE AT KIRUNA GEOPHYSICAL OBSERVATORY APRIL 30, 1962.
BY LISZKA, L — DDC NR.
CONTRACT NR. AF 61<514>-1314
PROJ/TASK NR. 5631

AFCRL-62-703
ROYAL SWEDISH ACADEMY OF SCIENCE
DIFFRACTION OF SATELLITE SIGNALS BY IRREGULARITIES IN SPORADIC E LAYERS. MAY 18, 1962.
BY LISZKA, L
DDC NR.
CONTRACT NR. AF 61(514)-1314
PROJ/TASK NR. 5631

AFCRL-62-704
NEW YORK UNIVERSITY
GEOMETRICAL HYDROMAGNETICS. AUGUST 1962.
BY BAZER, J.
HURLEY, J.
DDC NR.
CONTRACT NR. AF 19(604)-3495
PROJ/TASK NR. 5631-563104

AFCRL-62-708
ALASKA, UNIVERSITY OF
SOLAR ACTIVITY AND POLAR CAP ABSORPTION EVENTS. JULY 1962.
BY KAHLE, A. B.
DDC NR.
CONTRACT NR. AF 19(604)-5574
PROJ/TASK NR. 5631-563103

AFCRL-62-709
ROYAL INSTITUTE OF TECHNOLOGY(SWEDEN)
QUARTERLY PROGRESS AND STATUS REPORT. JULY 15, 1962.
BY
DDC NR.
CONTRACT NR. AF EOAR 62-82
PROJ/TASK NR. 4610

AFCRL-62-710
DOMINION PHYSICAL LABORATORY (NEW ZEALAND)
VARIATIONS IN PHASE PATH OF MAN-MADE ONE-HOP WHISTLER MODE SIGNALS AT 18.6 KC/S. FEBRUARY 16, 1962.
BY CROMBIE, D D
MCNEILL, F A
ALLCOCK, G M
DDC NR.
CONTRACT NR. AF 64(500)-8
PROJ/TASK NR. 5630-56301

AFCRL-62-711
WOLF RESEARCH AND DEVELOPMENT CORPORATION
RESEARCH ON CORRELATION TYPE DATA PROCESSING SYSTEMS. FINAL REPORT. AUGUST 31, 1962.
BY BRZEZENSKI, D B
CASO, C
SELTZER, J
SEXTON, J
SHIMMIN, H
DDC NR.
CONTRACT NR. AF 19(604)-6629
PROJ/TASK NR. 4612

AFCRL-62-712
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS. PERIOD COVERING MARCH 1, 1962 TO MAY 31, 1962.
BY ROHRBAUGH, J. H.
DDC NR.
CONTRACT NR. AF 19(604)-2673
PROJ/TASK NR. 5621-56216

AFCRL-62-713
POLYTECHNIC INSTITUTE OF BROOKLYN
MINIMIZING OF INCOMPLETELY SPECIFIED SEQUENTIAL SWITCHING CIRCUITS. MAY 10, 1962.
BY KOHAVI, Z
DDC NR.
CONTRACT NR. AF 19(604)-6620
PROJ/TASK NR. 5632-56323

AFCRL-62-714
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
HISTORY AND PROGRESS OF AFCRL, JANUARY 1961 - JUNE 1962. OCTOBER 1962.
BY BERGER, C.
WOODS, L. E.
DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFCRL-62-715
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PARTIALLY COHERENT DIFFRACTION BY A CIRCULAR APERTURE. AUGUST 1962.
BY SHORE, R A
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5635

AFCRL-62-716
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ON THE POSSIBILITY OF OBSERVING LASER ACTION FROM THE R2 LINE IN RUBY. SEPTEMBER 1962.
BY STICKLEY, N
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4645

AFCRL-62-717
ADVANCED KINETICS, INC.
PRODUCTION OF MILLIMETER AND SUB-MILLIMETER ELECTROMAGNETIC WAVES BY THE INTERACTION OF PLASMA AND ELECTRON BEAMS WITH HIGH INTENSITY PULSED MAGNETS. PERIOD COVERING JANUARY 15, 1962-APRIL 15, 1962
BY WANIEK, R W
DDC NR.
CONTRACT NR. AF 19(604)-7406
PROJ/TASK NR. 5561-46304

AFCRL-62-718
ADVANCED KINETICS, INC.
PRODUCTION OF MILLIMETER AND SUB-MILLIMETER ELECTROMAGNETIC WAVES BY THE INTERACTION OF PLASMA AND ELECTRON BEAMS WITH HIGH INTENSITY PULSED MAGNETS. APRIL 15, 1962- JULY 15, 1962.
BY
DDC NR.
CONTRACT NR. AF 19(604)-7406
PROJ/TASK NR. 4619-461902

AFCRL-62-719
MELPAR, INC.
SPEECH DATA PROCESSING IN REAL TIME. SEPTEMBER 1962.
BY STRAIGHT, H. A.
DDC NR.
CONTRACT NR. AF 19(604)-5579
PROJ/TASK NR. 4610-461002

AFCRL-62-720
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
LABORATORY TECHNIQUE FOR HIGH AND ULTRA HIGH VACUUM APPLICATIONS. SEPTEMBER 1962.
REPR. FR. THE PROCEEDINGS OF THE SEVENTH SYMPOSIUM ON THE ART OF GLASSBLOWING, 1962.
BY PHIPPS, R L
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5634

AFCRL-62-723
COLORADO, UNIVERSITY OF
THE MAGNETIC FIELD OF JUPITER DECEMBER 1962.
BY WARWICK, J W
DDC NR.
CONTRACT NR. AF 19(628)-224
PROJ/TASK NR. 5631

AFCRL-62-724
SYRACUSE UNIVERSITY RESEARCH INSTITUTE
PROBABILISTIC NETWORK STUDY - SYSTEM RELIABILITY. AUGUST 1962.
BY REZA, F M
DDC NR.
CONTRACT NR. AF 19(604)-6169
PROJ/TASK NR. 5632-56323

AFCRL-62-725
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
AN ELECTROMECHANICAL METHOD OF SCANNING THE STRETCH ARRAY SEPTEMBER 1962.
BY POIRIER, J L
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4642

AFCRL-62-726
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
FOURIER COEFFICIENTS FOR TCHEBYSCHEFF PATTERNS. SEPTEMBER 1962.
BY DRANE, JR., C J
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-62-727
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
BROADSIDE AND SCANNED BEAMS FROM ARRAYS OF VARIABLE SPACED ELEMENTS PROXIMITY COUPLED TO A TWO-WIRE LINE. SEPTEMBER 1962.
BY FORBES, G R
SLETTEN, C J
POIRIER, J L
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-62-728
MONTANA STATE COLLEGE
ON CYCLING BEHAVIOR IN 1-DIMENSIONAL, BILATERAL ITERATIVE NETWORKS. AUGUST 1962.
BY KILMER, W L
DDC NR.
CONTRACT NR. AF 19(604)-6619
PROJ/TASK NR. 5632-563202

AFCRL-62-730
STANFORD UNIVERSITY
GENERAL STUDIES IN HIGH-POWER MICROWAVE CONCEPTS. SEPTEMBER 1962.
BY
DDC NR.
CONTRACT NR. AF 19(604)-1930
PROJ/TASK NR. 4619-46191

AFCRL-62-731
F & M SCIENTIFIC CORPORATION
A COMPLETELY CONTINUOUS CHROMATOGRAPH FOR PURIFICATION OF BORON COMPOUNDS. FEBRUARY 21, 1963.
BY EUSTON, C B
PETERS, J
DEBBRECHT, F J
KAUSS, J M
DDC NR.
CONTRACT NR. AF 19(604)-8045
PROJ/TASK NR. 4608-460802

AFCRL-62-732
STANFORD RESEARCH INSTITUTE
RESEARCH STUDY OF MICROWAVE BREAKDOWN OF AIR AT HIGH ALTITUDES. AUGUST U962.
BY SCHARFMAN, W E
TAYLOR, W C
MORITA, T
DDC NR.
CONTRACT NR. AF 19(604)-7367
PROJ/TASK NR. 5561-46308

AFCRL-62-733
RHODE ISLAND, UNIVERSITY OF
THE SURFACE WAVE ANTENNA AS A BOUNDARY VALUE PROBLEM SEPTEMBER 1962.
BY KANE, J
DDC NR.
CONTRACT NR. AF 19(604)-7983
PROJ/TASK NR. 5635-563502

AFCRL-62-734
RHODE ISLAND, UNIVERSITY OF
DIURNAL VARIATION AND SOME OTHER CHARACTERISTICS OF EXTREMELY LOW FREQUENCY MAGNETIC FIELDS. AUGUST 2, 1962
BY POLK, C
DDC NR.
CONTRACT NR. AF 19(604)-7252
PROJ/TASK NR. 4603-46139

AFCRL-62-735
OHIO STATE UNIVERSITY
SCATTERING BY PLASMA AND DIELECTRIC BODIES AUGUST 1, 1962.
BY THOMAS, D T
DDC NR.
CONTRACT NR. AF 19(604)-7270
PROJ/TASK NR. 5633-563306

AFCRL-62-736
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
OPTIMIZATION OF ANTENNA SYSTEMS. SEPTEMBER 1962.
BY SCHELL, A C
DDC NR.
CONTRACT NR.
PROJ/TASK NR. 4600

AFCRL-62-737
SOUTHERN CALIFORNIA, UNIVERSITY OF
EXCITATION OF WAVES IN A WARM PLASMA BY AN ELECTRIC DIPOLE. SEPTEMBER 1962.
BY KUEHL, H H
DDC NR.
CONTRACT NR. AF 19(604)-6195
PROJ/TASK NR. 4642-464202

AFCRL-62-738
COMPUTER ASSOCIATES, INC.
ON SYNTACTIC ANALYSIS AND OPERATOR PRECEDENCE, SEPTEMBER 1962.
BY FLOYD, R W — DDC NR. — CONTRACT NR. AF 19(628)-419 — PROJ/TASK NR. 4641-464102

AFCRL-62-739
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SPEECH COMPRESSION STUDIES SEPTEMBER 1962.
PRESENTED AT THE 1962 NORTHEAST ELECTRONICS RESEARCH AND ENGINEERING MEETING (NEREM), BOSTON MASSACHUSETTS
BY SMITH, C P — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4610

AFCRL-62-740
NEW YORK UNIVERSITY
FAR FIELD AMPLITUDES AND INVERSE DIFFRACTION THEORY, SEPTEMBER 1962.
BY KARP, S. N. — DDC NR. — CONTRACT NR. AF 19(604)-5238 — PROJ/TASK NR. 5635-56350

AFCRL-62-741
MOTOROLA, INC.
EPITAXIAL CONTROL SYSTEM JUNE 14, 1962.
BY JACKSON, JR., D M — DDC NR. — CONTRACT NR. AF 19(604)-8351 — PROJ/TASK NR. 4608-460804

AFCRL-62-742
NEW YORK UNIVERSITY
THE ESTIMATION PROBLEM IN NULL-ZONE RECEPTION FEEDBACK SYSTEMS, AUGUST 15, 1962.
BY METZNER, J J; MORGAN, K C — DDC NR. — CONTRACT NR. AF 19(604)-6168 — PROJ/TASK NR. 4610-461003

AFCRL-62-743
GEOPHYSICS CORPORATION OF AMERICA
(U) INVESTIGATION OF MID-COURSE RECOGNITION TECHNIQUES SEPTEMBER 14, 1962. SECRET
BY CARPENTER, R; DONOHUE, R; NAQVI, A — DDC NR. — CONTRACT NR. AF 19(604)-8451 — PROJ/TASK NR. 4691-46911

AFCRL-62-744
COLLINS RADIO COMAPNY
4-WHEELS MODERNIZATION, NOVEMBER 1, 1962.
BY WOLLAN, R W; TROKA, R — DDC NR. — CONTRACT NR. AF 19(604)-8019 — PROJ/TASK NR. 2124

AFCRL-62-745
COLORADO, UNIVERSITY OF
IMPEDANCE OF A MONOPOLE ANTENNA WITH A RADIAL-WIRE GROUND SYSTEM ON AN IMPERFECTLY CONDUCTING GROUND, AUGUST 24, 1962.
BY JOHNK, C. T. A.; MALEY, S. W.; KING, R. J. — DDC NR. — CONTRACT NR. AF 19(604)-4556 — PROJ/TASK NR. 5635-56350

AFCRL-62-746
NEW YORK UNIVERSITY
A STUDY OF THE FAR INFRARED PROPERTIES OF CRYSTALS, PERIOD COVERING SEPTEMBER 1, 1957 TO AUGUST 31, 1962.
BY ROHRBAUGH, J. H. — DDC NR. — CONTRACT NR. AF 19(604)-2673 — PROJ/TASK NR. 5621-56216

AFCRL-62-747
CALIFORNIA INSTITUTE OF TECHNOLOGY
LIGHT SCATTERING FROM DIELECTRIC FILM LASER MIRRORS SEPTEMBER 1, 1962.
BY SPECHT, JR., W A — DDC NR. — CONTRACT NR. AF 19(604)-8052 — PROJ/TASK NR. 4600-460006

AFCRL-62-748
CALIFORNIA INSTITUTE OF TECHNOLOGY
A MODIFIED FABRY-PEROT INTERFEROMETER AS A DISCRIMINATION FILTER AND A MODULATOR FOR LONGITUDINAL MODES, SEPTEMBER 1, 1962
BY LOTSCH, H K V — DDC NR. — CONTRACT NR. AF 19(604)-8052 — PROJ/TASK NR. 4600-460006

AFCRL-62-749
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ON THE LEARNING OF SPEECHLIKE VOCABULARIES OCTOBER 1962.
REPR, FR, J. OF VERBAL LEARNING AND VERBAL BEHAVIOR, VOL. 1, NO. 2, SEP 1962
BY HOUSE, A S; STEVENS, K N; SANDEL, T T; ARNOLD, J B — DDC NR. — CONTRACT NR. AF 19(604)-6102 — PROJ/TASK NR. 4610-461022

AFCRL-62-750
OHIO STATE UNIVERSITY
NONUNIFORM LAMINATION ANALYSIS OF IONOSPHERIC H-(F) RECORDS USING WAVE REFRACTIVE INDEX, OCTOBER 1, 1962.
BY UNZ, H — DDC NR. — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 5633-563306

AFCRL-62-751
AVCO-EVERETT RESEARCH LABORATORY
RATE OF IONIZATION BEHIND SHOCK WAVES IN AIR. II. THEORETICAL INTERPRETATION, SEPTEMBER 1962
BY LIN, S C; TEARE, J D — DDC NR. — CONTRACT NR. AF 19(604)-7458 — PROJ/TASK NR. 5561-46308

AFCRL-62-752
TYCO LABORATORIES, INC.
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH, SEPTEMBER 14, 1962.
BY WEINSTEIN, M; AXELROD, S D; MLAVSKY, A I — DDC NR. — CONTRACT NR. AF 19(604)-8803 — PROJ/TASK NR. 4608-460804

AFCRL-62-753
SPACE TECHNOLOGY LABORATORIES, INC.
THE STUDY OF A METHOD TO REDUCE ELECTRON DENSITY IN THE IONOSPHERIC REGION BY MEANS OF HIGH-POWERED GROUND-BASED TRANSMITTERS, SEPTEMBER 1962.
BY MOLMUD, P.; ALTSHULER, S.; GARDNER, J. H. — DDC NR. — CONTRACT NR. AF 19(604)-8844 — PROJ/TASK NR. 8653

AFCRL-62-754
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) REDUCTION OF RADAR SCATTER FROM RESONANT OBJECTS BY REACTIVE LOADING, OCTOBER 1962, SECRET
BY SLETTEN, C J; BLACKSMITH, P; HOLT, F S; GORR, B B — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 4600

AFCRL-62-755
GENERAL ELECTRIC COMPANY
INVESTIGATION OF VARIOUS ACTIVATOR REFRACTORY SUBSTRATE COMBINATIONS SEPTEMBER 27, 1962.
BY AFFLECK, J H — DDC NR. — CONTRACT NR. AF 19(628)-279 — PROJ/TASK NR. 4619-461901

AFCRL-62-756
RADIO CORPORATION OF AMERICA
THEORETICAL AND COMPUTER STUDY OF CONVOLUTIONAL CODES AND SEQUENTIAL DECODING SEPTEMBER 1962.
BY WADDEN, W R; JONES, D M; BUSSGANG, J — DDC NR. — CONTRACT NR. AF 19(628)-436 — PROJ/TASK NR. 4610-461003

AFCRL-62-757
TRG, INCORPORATED
THE WIDE FLARE HORN - A NOVEL FEED FOR LOW NOISE BROADBAND AND HIGH APERTURE EFFICIENCY ANTENNAS, OCTOBER 2, 1962.
BY KAY, A F — DDC NR. — CONTRACT NR. AF 19(604)-8057 — PROJ/TASK NR. 4600-460002

AFCRL-62-758
AVCO CORPORATION
THE GENERATION AND EFFECT OF ELECTROSTATIC FIELDS DURING AN AURORAL DISTURBANCE, NOVEMBER 9, 1962.
BY SWIFT, D. W. — DDC NR. — CONTRACT NR. AF 19(604)-4092 — PROJ/TASK NR. 4603-460304

AFCRL-62-759
POLYTECHNIC INSTITUTE OF BROOKLYN
RADIATION FROM A UNIAXIALLY ANISOTROPIC PLASMA HALF SPACE, AUGUST 27, 1962.
BY FELSEN, L. B. — DDC NR. — CONTRACT NR. AF 19(604)-4143 — PROJ/TASK NR. 5635-56350

AFCRL-62-760
POLYTECHNIC INSTITUTE OF BROOKLYN
ON THE THEORY OF RADIATION FROM SOURCES IN PLANE STRATIFIED ANISOTROPIC PLASMA MEDIA, SEPTEMBER 25, 1962.
BY ARBEL, E.; FELSEN, L. B. — DDC NR. — CONTRACT NR. AF 19(604)-4143 — PROJ/TASK NR. 5635-56350

AFCRL-62-762
POLYTECHNIC INSTITUTE OF BROOKLYN
MODAL ANALYSIS AND SYNTHESIS OF ELECTROMAGNETIC FIELDS, SEPTEMBER 24, 1962.
BY FELSEN, L B; MARCUVITZ, N — DDC NR. — CONTRACT NR. AF 19(604)-7499 — PROJ/TASK NR. 4600-460004

AFCRL-62-763
COLORADO, UNIVERSITY OF
THE USE OF STATISTICAL METHODS IN THE DETERMINATION OF THE PARAMETERS OF LINEAR MICROWAVE JUNCTIONS, SEPTEMBER 1, 1962.
BY MALEY, S. W. — DDC NR. — CONTRACT NR. AF 19(604)-4556 — PROJ/TASK NR. 4600-460004

AFCRL-62-764
OHIO STATE UNIVERSITY
RADAR CROSS SECTIONS OF DIELECTRIC OR PLASMA COATED CONDUCTING BODIES, AUGUST 15, 1962 .
BY SWARNER, W G — DDC NR. — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 5633-563306

AFCRL-62-765
OHIO STATE UNIVERSITY
SECOND ANNUAL SUMMARY REPORT, 1 MAY 1961 TO 30 AUGUST 1962 SEPTEMBER 1, 1962.
BY — DDC NR. — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 5633-563306

AFCRL-62-766
OHIO STATE UNIVERSITY
THE MAGNETO-IONIC THEORY FOR BOUND ELECTRONS, OCTOBER 1, 1962.
BY UNZ, H — DDC NR. — CONTRACT NR. AF 19(604)-7270 — PROJ/TASK NR. 5633-563306

AFCRL-62-767
MARTIN COMPANY
RACEP PROTOTYPE EQUIPMENT DECEMBER 1962.
BY ALLARD, F F — DDC NR.
CAMPBELL, C W — CONTRACT NR. AF 19(604)-8511
CULLIS, R N — PROJ/TASK NR. 2124
MCCANLESS, C P
MCGUIRE, H E
MILLS, L W
RYKACZEWSKI, J A
SCHULMAN, C H

AFCRL-62-768
THIOKOL CHEMICAL CORPORATION
(U) RESEARCH PROGRAM ON IONIZATION IN A ROCKET PLUME, FINAL REPORT, PERIOD COVERING APRIL 29, 1960 TO MARCH 14, 1962, SECRET
BY SOCOLOWSKI, N J — DDC NR.
NICHOL, J J — CONTRACT NR. AF 19(604)-7284
FLEISCHER, D — PROJ/TASK NR. 4649-46490
SIMINSKI, V J
SUTTON, W

AFCRL-62-769
DOUCETTE ASSOCIATES, INC.
A QUANTITATIVE STUDY OF THE EVOLUTION OF GASES FROM ELECTRON TUBES AND MATERIALS, JULY 18, 1962.
BY GRUBBS, W J — DDC NR.
SNIDER, G H — CONTRACT NR. AF 19(628)-326
PROJ/TASK NR. 4619-46190

AFCRL-62-770
NEW YORK UNIVERSITY
REPRESENTATIONS FOR CLASS K FUNCTIONS AUGUST 31, 1962.
BY ZEMANIAN, A H — DDC NR.
CONTRACT NR. AF 19(628)-379
PROJ/TASK NR. 5632-563204

AFCRL-62-771
CORNING GLASS WORKS
INVESTIGATION OF THE MECHANISM OF SINGLE CRYSTAL GROWTH IN HIGH TEMPERATURE SYSTEMS, SEPTEMBER 1962.
BY MARLEY, J A — DDC NR.
MACAVOY, T C — CONTRACT NR. AF 19(604)-8447
PROJ/TASK NR. 5621-562101

AFCRL-62-772
HP ASSOCIATES
INVESITGATION OF HOT ELECTRON EMITTER, PERIOD COVERING JUNE 1, 1962 - AUGUST 31, 1962
BY ATALLA M M — DDC NR.
SOSHEA, R W — CONTRACT NR. AF 19(628)-1637
LUCAS, R C — PROJ/TASK NR. 4608-460804
FOX, C H
DOWLER, V M

AFCRL-62-773
GENERAL TELEPHONE & ELECTRONICS LABS., INC.
STUDY OF ADSORPTON OF GASES ON SOLIDS IN THE HIGH VACUUM RANGE, AUGUST 31, 1962.
BY BLIVEN, C M — DDC NR.
POLANYI, T G — CONTRACT NR. AF 19(628)-331
PROJ/TASK NR. 4619-461901

AFCRL-62-774A
GENERAL ELECTRIC COMPANY
SEMICONDUCTOR DEVICE CONCEPTS, AUGUST 31, 1962.
BY AVEN, M — DDC NR.
HALL, R N — CONTRACT NR. AF 19(628)-329
RACETTE, J H — PROJ/TASK NR. 4608-460804
WOODBURY, H H
GARWACKI, W
BINKOWSKI, B
SOLTYS, T J
SCHWARZ, S

AFCRL-62-774B
GENERAL ELECTRIC COMPANY
SEMICONDUCTOR DEVICE CONCEPTS, AUGUST 31, 1962.
BY HOLONYAK, JR., N — DDC NR.
BIELAN, C V — CONTRACT NR. AF 19(628)-329
BEVACQUA, S F — PROJ/TASK NR. 4608-460804
CARRANTI, F A
HESS, B G
LUBOWSKI, S J

AFCRL-62-775
NATIONAL BUREAU OF STANDARDS
SOME SEMICONDUCTOR SURFACE STATE STUDIES, NOVEMBER 1, 1962.
BY HARMAN, G G. — DDC NR.
RAYBOLD, R L. — CONTRACT NR. PRO-62-206
MEYER, O L. — PROJ/TASK NR. 4608
SWARTZENDRUBER, L J

AFCRL-62-776
EMERSON & CUMING, INC.
H-WAVES ON AN ANISOTROPIC DIELECTRIC SLAB, OCTOBER 1962.
BY LUOMA, E J — DDC NR.
MASON, S J — CONTRACT NR. AF 19(628)-463
PROJ/TASK NR. 4600-460004

AFCRL-62-777
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
ASPECT-SENSITIVE SPREAD AND MULTIPATH DELAY ON OFF-AZIMUTH HF ARCTIC SIGNALS LARGELEY ABOVE THE MUF, OCTOBER 1962. REPR, FR, PROCEEDINGS OF THE 6TH NATIONAL CONFERENCE ON MILITARY ELECTRONICS, WASHINGTON, D.C. 26 JUNE 1962
BY MARSH, H S — DDC NR.
SWIRBALUS, R A — CONTRACT NR.
CORMIER, R J — PROJ/TASK NR. 5631

AFCRL-62-778
TRG, INCORPORATED
RESONANCES OF THE FABRY-PEROT LASER, OCTOBER 1962.
BY BARONE, S R — DDC NR.
CONTRACT NR. AF 19(604)-8817
PROJ/TASK NR. 4645-46451

AFCRL-62-779
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
CAUSALITY, PHYSICAL REALIZABILITY AND STABILITY, OCTOBER 1962.
BY POST, E J — DDC NR.
CONTRACT NR.
PROJ/TASK NR. 5635

AFCRL-62-780
CALIFORNIA, UNIVERSITY OF
FINAL REPORT, JUNE 1, 1962.
BY BERGEN, A. R. — DDC NR.
DESOER, C. A. — CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 5632-56320

AFCRL-62-781
SOUTHERN CALIFORNIA UNIVERSITY OF
THE EXTERNAL FIELD PRODUCED BY AN ARBITARY SLOT ON A DIELECTRIC COATED ELLIPTIC CYLINDER SEPTEMBER 1962.
BY YEH, C W H — DDC NR.
CONTRACT NR. AF 19(604)-6195
PROJ/TASK NR. 4642-464202

AFCRL-62-785
WASHINGTON, UNIVERSITY OF
RADIATION FROM SOURCES IN MAGNETOPLASMA WITH A SEPARATION BOUNDARY, JUNE 1962.
BY TYRAS, G. — DDC NR.
SWARM, H. M. — CONTRACT NR. AF 19(604)-4098
ISHIMARU, A. — PROJ/TASK NR. 5635-563503

AFCRL-62-786
UPPSALA, UNIVERSITY OF
ANALYSIS OF THE VARIATIONS OF THE MAGNETIC FIELD OF LIGHTNING DISCHARGES AND VARIATIONS OF THE ELECTROMAGNETIC FIELD AT DISTANCES FROM LIGHTNING DISCHARGES, JULY 31, 1962.
BY NORINDER, H — DDC NR.
CONTRACT NR. AF 61(052)-171
PROJ/TASK NR. 5630

AFCRL-62-787
TECHNOLOGICAL UNIVERSITY OF HANNOVER
SELF-INTERACTION OF LONGITUDINAL PLASMA OSCILLATIONS WITH GENERATION OF ELECTROMAGNETIC RADIATION, APPLICATION TO THE NARROW-BAND RADIO BURSTS OF THE SUN, JANUARY 7, 1962.
BY LARENZ, R W — DDC NR.
CONTRACT NR. AF 61(052)-161
PROJ/TASK NR. 5633-563301

AFCRL-62-788
LABORATOIRE DE PHYSIQUE, ECOLE NORMALE SUPERIEUR
1, RADIATION ENHANCED DIFFUSION IN SILICON, 2, DESIGN OF A MICROCALORIMETER, STORED ENERGY MEASUREMENT IN IRRADIATED GERMANIUM, 3 , STUDY OF DEFECT MOBILITY IN IRRADIATED GERMANIUM, JULY 25, 1962.
BY BARUCH, P — DDC NR.
CONTRACT NR. AF 61(052)-543
PROJ/TASK NR. 5620-562002

AFCRL-62-789
ROYAL INSTITUTE OF TECHNOLOGY(SWEDEN)
ON THE PERCEPTION OF SWEDISH CONSONANTS IN INTERVOCALIC POSITION, MARCH 1, 1962.
BY OHMAN, S. — DDC NR.
CONTRACT NR. AF EOAR 62-82
PROJ/TASK NR. 4610

AFCRL-62-790
ROYAL INSTITUTE OF TECHNOLOGY (SWEDEN)
SPEECH ANALYSIS AND SYNTHESIS, JANAURY 31, 1962.
BY FANT, C G M — DDC NR.
CONTRACT NR. AF 61(052)-342
PROJ/TASK NR. 4610

AFCRL-62-791
ROYAL INSTITUTE OF TECHNOLOGY (SWEDEN)
DESCRIPTIVE ANALYSIS OF THE ACOUSTIC ASPECTS OF SPEECH REPR, FR, LOGOS, VOL. 5, NO. 1, PP. 3-17, APRIL 1962
BY FANT, G M — DDC NR.
CONTRACT NR. AF 61(052)-342
PROJ/TASK NR. 4610

AFCRL-62-792
TEXAS, UNIVERSITY OF
A SOLUTION FOR ELF PROPAGATION IN THE EARTH-IONOSPHERE CAVITY BOUNDED BY AN INHOMOGENEOUS, ANISOTROPIC IONOSPHERIC MEDIUM, OCTOBER 31, 1962.
BY CHAPMAN, C W — DDC NR.
CONTRACT NR. AF 19(604)-8038
PROJ/TASK NR. 5631-563104

AFCRL-62-793
NATIONAL BUREAU OF STANDARDS
INFLUENCE OF A SECTOR GROUND SCREEN ON THE FIELD OF A VERTICAL ANTENNA, OCTOBER 15, 1962.
BY WAIT, J R — DDC NR.
WALTERS, L C — CONTRACT NR. PRO-61-568
PROJ/TASK NR. 5635-56350

AFCRL-62-794
WASHINGTON, UNIVERSITY OF
UNIDIRECTIONAL WAVES IN ANISOTROPIC MEDIA AND THE RESOLUTION OF THE THERMODYNAMIC PARADOX, SEPTEMBER 1962.
BY ISHIMARU, A. — DDC NR.
CONTRACT NR. AF 19(604)-4098
PROJ/TASK NR. 5635-563503

AFCRL-62-795
NORTHEASTERN UNIVERSITY
EXPAMPLES OF P.D.F. -S OF SUMS AND PRODUCTS, SEPTEMBER 1962
BY CHANG, S H — DDC NR.
WENG, L J — CONTRACT NR. AF 19(604)-7494
PROJ/TASK NR. 4610-461003

AFCRL-62-796
PARKE MATHEMATICAL LABORATORIES, INC.
MATHEMATICAL DESCRIPTIONS OF POLARIZATION AND RELATED PHENOMENA. PART I CLASSICAL DESCRIPTION AUGUST 1962.
BY ROWSOME, III., F H — DDC NR. — CONTRACT NR. AF 19(604)-7316 — PROJ/TASK NR. 4608-460802

AFCRL-62-797
ISRAEL INSTITUTE OF TECHNOLOGY
[illegible] TRANSMISSION OF AUDIO-FREQUENCY ELECTROMAGNETIC WAVES THROUGH THE TERESTRIAL IONOSPHERE IN THE MAGNETO - IONIC MODE, APRIL 29, 1962.
BY ALTMAN, C; CORY, H — DDC NR. — CONTRACT NR. AF 61(052)-555 — PROJ/TASK NR. 9631-963111

AFCRL-62-798
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
EXPERIMENTAL STUDIES OF THE IONOSPHERIC D - REGION JUNE 1962.
BY BARRINGTON, R; LANDMARK, B; HOLT, O; THRANE, E — DDC NR. — CONTRACT NR. AF 61(052)-526 — PROJ/TASK NR. 4603-460303

AFCRL-62-799
POLYTECHNIC INSTITUTE OF BROOKLYN
ABSORBING MATERIAL USING PARALLEL RESISTANCE SHEETS, AUGUST 14, 1962.
BY SUETAKE, K; GRIEMSMANN, J W E — DDC NR. — CONTRACT NR. AF 19(604)-7499 — PROJ/TASK NR. 4600-460004

AFCRL-62-800
PENNSYLVANIA STATE UNIVERSITY
NIGHTTIME LOWER IONOSPHERE ELECTRON DENSITY MEASUREMENTS BY RADIO WAVE PROPAGATION TO ASCENDING ROCKETS, MAY 1, 1962
BY MECHTLY, E. A. — DDC NR. — CONTRACT NR. AF 19(604)-4563 — PROJ/TASK NR. 8605-860501

AFCRL-62-801
NORTHEASTERN UNIVERSITY
AN APPROXIMATE THEORY FOR THE DESIGN AND OPERATION OF A TRAPEZOIDAL CROSS-SECTION FLUX CONCENTRATOR, JUNE 4, 1962.
BY PEACOCK, G R; LANZA, G — DDC NR. — CONTRACT NR. AF 19(604)-7358 — PROJ/TASK NR. 6694-669401

AFCRL-62-802
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROPOSED REVISION OF U.S. STANDARD ATMOSPHERE 90 TO 700 KM, JULY 1962.
BY CHAMPION, K S W; MINZNER, R A — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 6690

AFCRL-62-803
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RESULTS FROM AN ARTIFICAIAL IRON METEOROID AT 10 KM/SEC JULY 1962.
BY MCCROSKY, R E; SOBERMAN, R K — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7667

AFCRL-62-804
AERONAUTICAL ICING RESEARCH LABORATORIES
FOG STUDIES AT ARCATA, CALIFORNIA UNDER .. OPERATION PEA SOUP.., 1961, JUNE 1962 .
BY ETTENHEIM, JR., G P — DDC NR. — CONTRACT NR. AF 19(604)-7210 — PROJ/TASK NR. 7605-760501

AFCRL-62-805
CHICAGO, UNIVERSITY OF
AIRCRAFT ELECTROSTATIC MEASUREMENT INSTRUMENTATION AND OBSERVATIONS OF CLOUD ELECTRIFICATION, FEBRUARY 28, 1962.
BY FETZGERALD, D R; BYERS, H. R. — DDC NR. — CONTRACT NR. AF19(604)-2189

AFCRL-62-806
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) SPECTRAL AND SPATILA MEASUREMENTS OF INFRARED RADIATION, MAY 1962. SECRET
BY BLOCK, L C; MARCOTTE, L P; FERRISO, C C — DDC NR. — CONTRACT NR. — CONTRACT NR. 4904

AFCRL-62-807
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
INFRARED CELESTIAL BACKGROUNDS, JULY 1962.
BY WALKER, R. G. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 8603

AFCRL-62-808
PENNSYLVANIA STATE UNIVERSITY
NIGHTTIME ELECTRON DENSITY- HEIGHT PROFILES FROM 300 KC/S POLARIZATION MEASUREMENTS, JUNE 15, 1962.
BY STEVENS, C. H. — DDC NR. — CONTRACT NR. AF 19(604)-4563 — PROJ/TASK NR. 8605-860501

AFCRL-62-809
GERMAN WEATHER SERVICE
EXPERIMENTS WITH THE MODEL OF THE HOMOGENEOUS ATMPSPHERE DECEMBER 31, 1961.
BY EDELMANN, W; REISER, H — DDC NR. — CONTRACT NR. AF 61(052)-373 — PROJ/TASK NR. 8628-86280

AFCRL-62-810
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PLASMA BEHAVIOR IN A ROMAC MAGNETIC FIELD, JULY 1962
BY COMBES, L S; GALLAGHER, C C; LEVINE, M A — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 8608

AFCRL-62-811
WILLIAMSON DEVELOPMENT COMPANY, INC.
STUDIES AND INSTRUMENTATION RELATING TO THE [illegible] MEASUREMENT OF INFRARED BAND INTENSITIES, JULY 31, 1962.
BY NICHOLS, I. A.; MACDONALD, W.; ARNDT, R. E. S. — DDC NR. — CONTRACT NR. AF 19(604)-4136 — PROJ/TASK NR. 7670-767003

AFCRL-62-812
MCGILL UNIVERSITY
A STATISTICAL MODEL FOR THE MID LATITUDE TROPOPAUSE AND JET STREAM LAYER, MAY 1962.
PUBLICATION IN METEOROLOGY NO. 50
BY EDDY, A — DDC NR. — CONTRACT NR. AF 19(604)-8431 — PROJ/TASK NR. 8628-862807

AFCRL-62-813
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
A STUDY OF THE LINE INTENSITIES OF THE 1-0 BAND OF HYDROGEN IODIDE NEAR 4.5 MU , JUNE 1962.
BY PLUMMER, G M — DDC NR. — CONTRACT NR. AF 19(604)-6141 — PROJ/TASK NR. 7670-767003

AFCRL-62-814
AF CAMBRIDGE RESEARCH LABORATORIES(IN-HOUSE)
TRANSMISSION OF THE ATMOSPHERE IN THE INFRARED - A REVIEW, JULY 1962.
BY HOWARD, J. N.; GARING, J. S. — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 7670

AFCRL-62-815
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
DENSITY DISTRIBUTION, INTERLEVEL CORRELATIONS AND VARIATION WITH WIND, JULY 1962.
BY COLE, A E; COURT, A — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 8624

AFCRL-62-816
COLUMBIA UNIVERSITY
ATMOSPHERIC WAVES FROM NUCLEAR EXPLOSIONS, MAY 1962.
REPRINTED FROM J. OF GEOPHYSICAL RESEARCH, V. 67, #5, MAY 1962.
BY DONN, W L; EWING, M — DDC NR. — CONTRACT NR. AF 19(604)-7376 — CONTRACT NR. AF 19(604)-2030 — PROJ/TASK NR. 8652-86522

AFCRL-62-816(I)
COLUMBIA UNIVERSITY
ATMOSPHERIC WAVES FROM NUCLEAR EXPLOSIONS PART II THE SOVIET TEST OF 30 OCTOBER 1961, MAY 1962.
REPRINTED FROM J. OF THE ATMOSPHERIC SCIENCES, VOL. 19, NO. 3, MAY 1962, PP. 264-273
BY DONN, W L; EWING, M — DDC NR. — CONTRACT NR. AF 19(604)-7376 — PROJ/TASK NR. 8652-86522

AFCRL-62-817
TRAVELERS WEATHER CENTER,
STATISTICAL METHODS IN FORECASTING, AUGUST 1962.
BY BRYAN, J. G.; VEIGAS, K. W. — DDC NR. — CONTRACT NR. AF 19(604)-5207 — PROJ/TASK NR. 8628-86281

AFCRL-62-818
MANCHESTER UNIVERISTY OF
A SEEING MONITOR FOR ASTRONOMICAL PHOTOGRAPHY APRIL 6, 1962
BY EDGAR, R F — DDC NR. — CONTRACT NR. AF 61(052)-400 — PROJ/TASK NR. 8602

AFCRL-62-819
DUBLIN INSTITUTE FOR ADVANCED STUDIES
THE APPROACH TO CHARGE EQUILIBRIUM IN A STORED AEROSOL DURING AGING
REPRINTED FR. THE REVIEW GEOFISICA PURA E APPLICATA-MILANO VOL. 51, PP. 225-236 1962
BY POLLAK, L W; MITNIEKS, A L — DDC NR. — CONTRACT NR. AF 61(052)-26 — PROJ/TASK NR. 7690-769003

AFCRL-62-820
COLUMBIA UNIVERSITY
WAVES ON THE ARCTIC OCEAN, JUNE 1962.
REPRINTED FROM J. OF GEOPHYSICAL RESEARCH, V. 67, #6 JUNE 1962
BY HUNKINS, K — DDC NR. — CONTRACT NR. AF 19(604)-7442 — PROJ/TASK NR. 8623-862304

AFCRL-62-821
STANFORD UNIVERSITY
PALEOMAGNETISM OF A THICK TERTIARY VOLCANIC SEQUENCE IN NORTHERN CALIFORNIA, JUNE 1962.
BY BECK, M E — DDC NR. — CONTRACT NR. AF 19(604)-8043 — PROJ/TASK NR. 8623-862301

AFCRL-62-822
INTERNATIONAL BUSINESS MACHINES CORPORATION
RESEARCH ON THE PROCESSING OF SATELLITE PHOTOGRAPHY BY DIGITAL TECHNIQUES, JUNE 30, 1962.
BY MACH, R F — DDC NR. — CONTRACT NR. AF 19(604)-8432 — PROJ/TASK NR. 6698-669801

AFCRL-62-823
HARVARD UNIVERSITY
ACTIVE NITROGEN AT HIGH PRESSURE.
REPR, FR, THE J. OF CHEMICAL PHYSICS, VOL. 36, NO. 4, 926-940, FEBRUARY 15, 1962
BY WORDEN, J. F. DDC NR.
CONTRACT NR. AF 19(628)-318
PROJ/TASK NR. 7601

AFCRL-62-824
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SUPERPRESSURE BALLOON FOR CONSTANT LEVEL FLIGHT, AUGUST 1962
BY GRASS, L. A. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8605

AFCRL-62-825
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
MEASUREMENT RANGE REQUIRED OF METEOROLOGICAL EQUIPMENT, AUGUST 1962.
BY COURT, A. DDC NR.
SALMELA, H. CONTRACT NR.
PROJ/TASK NR. 8624

AFCRL-62-826
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
PROJECT FIREFLY, VOLUME IV, AUGUST 1962.
BY GOLUMB, D. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7635

AFCRL-62-826
AIR FORCE CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) PROJECT FIREFLY VOLUME IV (APPENDIX) AUGUST 1962
SECRET
BY ROSENBERG, N. W. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7635

AFCRL-62-827
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SOME SYNOPTIC FLARE DATA, 1937-1960, AUGUST 1962.
BY SMITH, H. J. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7649

AFCRL-62-828
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
A COMPUTER PROGRAM FOR SOLVING THE REACTION RATE EQUATIONS IN THE E IONOSPHERIC REGION, AUGUST 1962.
BY BERESHEA, T. J. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 8651

AFCRL-62-829
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
UTILIZATION OF METEOROLOGICAL SATELLITE CLOUD DATA IN TROPICAL METEOROLOGY, AUGUST 1962.
BY SADLER, J. C. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 6698

AFCRL-62-830
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
(U) THE DEVELOPMENT OF AN OPERATIONAL CONTRAIL SUPPRESSION SYSTEM, AUGUST 1962. CONFIDENTIAL
BY BIRSTEIN, S. J. DDC NR.
CONTRACT NR.
PROJ/TASK NR. 7694

AFCRL-62-831
RENSSELAER POLYTECHNIC INSTITUTE
THEORETICAL ANALYSIS OF ELECTROCHEMICAL ENERGY CONVERSION SYSTEMS, JULY 18, 1962.
BY GREENE, S. A. DDC NR.
GREENE, N. D. CONTRACT NR. AF 19(604)-8177
PROJ/TASK NR. 6696-66966

AFCRL-62-832
CALIFORNIA, UNIVERSITY OF
IONIC ASSOCIATION IN AQUEOUS SOLUTIONS OF THIONINE, APRIL 30, 1962.
BY HAUGEN, G. R. DDC NR.
HARDWICK, F. R. CONTRACT NR. AF 19(604)-6643
PROJ/TASK NR. 6696

AFCRL-62-833
HAWAII, UNIVERSITY OF
PHOTOIONIZATION AND ULTRAVIOLET ABSORPTION PROCESSES, SIGNAL REPORT, FEBRUARY 1962.
BY WATANABE, K. DDC NR.
CONTRACT NR. AF 19(604)-6976
PROJ/TASK NR. 7634

AFCRL-62-834
HAMBURGER STERNWARTE
THE IONISATION IN COMETS, JULY 1, 1962.
BY BURM, K. DDC NR.
CONTRACT NR. AF 61(052)-583
PROJ/TASK NR. 8667

AFCRL-62-835
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RADAR MEASUREMENTS OF SEVERE STORMS IN NEW ENGLAND JULY 1962.
BY AUSTIN, P. M. DDC NR.
CONTRACT NR. AF 19(604)-7462
PROJ/TASK NR. 8622-86220

AFCRL-62-836
PENNSYLVANIA STATE UNIVERSITY
INTERPRETATION OF THE SIMULTANEOUS PHASE AND AMPLITUDE FLUCTUATIONS OF IONOSPHERICALLY REFLECTED 60 KC/S RADIO WAVES, AUGUST 15, 1962.
BY SAUCKUCK, W. DDC NR.
CONTRACT NR. AF 19(604)-6561
PROJ/TASK NR. 8609-860901

AFCRL-62-843
GEOPHYSICS CORPORATION OF AMERICA
SEMI-EMPIRICAL FORMULAS FOR MISSILE EXHAUST TRAIL EXPANSIONS, JULY 1962.
BY SHERMAN, F. DDC NR.
CONTRACT NR. AF 19(628)-241
PROJ/TASK NR. 5862

AFCRL-62-844
WOODS HOLE OCEANOGRAPHIC INST.
THE DEVELOPMENT OF FLUID MODEL ANALOGUES OF ATMOSPHERIC CIRCULATIONS, AUGUST 1962.
BY FALLER, A. J. DDC NR.
CONTRACT NR. AF 19(604)-[illegible]
PROJ/TASK NR. 8626-8627A

AFCRL-62-845
MICHIGAN, UNIVERSITY OF
AN EJECTABLE ION TRAP - LANGMUIR PROBE EXPERIMENT FOR IONOSPHERE DIRECT MEASUREMENTS JULY 1962.
BY BRACE, L. H. DDC NR.
KANAL, M. CONTRACT NR. AF 19(604)-[illegible]
CALDWELL, J. R. PROJ/TASK NR. 8651-865102

AFCRL-62-846
FLORIDA STATE UNIVERSITY
THE STRATOSPHERIC WARMING OVER NORTH AMERICA IN 1957, JULY 31, 1962.
BY CRAIG, R. A. DDC NR.
LATEEF, M. A. CONTRACT NR. AF 19(604)-5671
PROJ/TASK NR. 8628-862901

AFCRL-62-847
TEXAS, A & M COLLEGE, OF
RADAR AND SFERICS INVESTIGATIONS OF TEXAS THUNDERSTORMS, MAY 30, 1962.
BY HUBBER, JR., G. L. DDC NR.
MOYER, V. E. CONTRACT NR. AF 19(604)-2182
SANFORD, T. F. PROJ/TASK NR. 6672-667202

AFCRL-62-848
ARCTIC INSTITUTE OF NORTH AMERICA
METEOROLOGICAL AND GLACIOLOGICAL STUDIES ICE RISE STATION WARD HUNT ISLAND, JULY 1962.
BY SAGAR, R. B. DDC NR.
CONTRACT NR. AF 19(604)-8343
PROJ/TASK NR. 7628-76297

AFCRL-62-849
CHICAGO, UNIVERSITY OF
AERIAL RECONNAISSANCE OF THE LARGE-SCALE CLOUD STRUCTURE OF WINTERTIME CYCLONES, CASE 1, JULY 1962.
BY MCCLAIN, E. P. DDC NR.
OMOTO, Y. CONTRACT NR. AF 19(604)-7290
PROJ/TASK NR. 8661-86610

AFCRL-62-850
RETINA FOUNDATION - INSTITUTE OF BIOLOGICAL AND MEDICAL SCIENCES
STUDIES OF CERTAIN BIOLOGICALLY IMPORTANT POLYANION-ORGANIC CATION COMPLEXES AS ENERGY TRANSFER SYSTEMS, NOVEMBER 30, 1961.
BY BALAZS, E. A. DDC NR.
CONTRACT NR. AF 19(604)-8478
PROJ/TASK NR. 4769

AFCRL-62-851
RETINA FOUNDATION - INSTITUTE OF BIOLOGICAL AND MEDICAL SCIENCES
STUDIES OF CERTAIN BIOLOGICALLY IMPORTANT POLYANION ORGANIC CATION COMPLEXES AS ENERGY TRANSFER SYSTEMS MAY 31, 1962.
BY BALAZS, E. A. DDC NR.
CONTRACT NR. AF 19(604)-8478
PROJ/TASK NR. 4769

AFCRL-62-852
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RADIO MEASUREMENTS OF TWO TOTAL ECLIPSES, AUGUST 1962.
BY CASTELLI, J. P. DDC NR.
COMPTON, H. W. CONTRACT NR.
STRAKA, R. M. PROJ/TASK NR. 5629
AARONS, J.

AFCRL-62-853
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
SMALL-SCALE IONOSPHERIC IRREGULARITIES, JULY 1962
REPRINTS FROM NATURE, VOL. 193, NO. 4822, PP. 1246-1249, MARCH 31, 1962 AND J. OF GEOPHYSICAL RESEARCH, VOL. 67, NO. 1 JANUARY 1962
BY AARONS, A. DDC NR.
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BY BWEE, E. H. DDC NR.
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II. ATMOSPHERIC OPTICAL NOISE MEASUREMENTS, AUGUST 15, 1962.
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BY OSTER, G; OSTER, G K; KARG, G; DORIA, C — DDC NR., CONTRACT NR., AF 19(604)-8056, PROJ/TASK NR., 6696-669606

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BY LEE. H. S.
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BY HEYDEN. F. J.
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BY HILTON. C G
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BY HOVERMALE. J B
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BY COURT. A
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COLE. A E
DDC NR.
CONTRACT NR.
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BY HUMPHREY. L C
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KENT. T
LASH. J A
PALMER. J C
ROBERTS. C R
WOOD. R H
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BY CLEMESHA. B R
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A ROTATING AERIAL BACK-SCATTER SOUNDER. AUGUST 10. 1962.
BY CLEMESHA. B R
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BY HFIL. O
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STUDIES OF ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES.
BY FLORIO. J V
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DDC NR.
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BY PERSSON. K B
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BY CASTLE. JR.. J G
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BY EARLY. D M
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KING. O C
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CONTRACT NR. AF 19(628)-214
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BY FREDERICKS, W J — DDC NR.
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PRAGER, H J
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RESEARCH IN FERROMAGNETICS, PERIOD COVERING MARCH 15, 1961 TO DECEMBER 15, 1961
BY FULLER, H W — DDC NR.
SULLIVAN, D L — CONTRACT NR. AF 19(604)-8349
PLANSKY, W M — PROJ/TASK NR. 5632-563207
HORNREICH, R M

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SNIDER, G H — CONTRACT NR. AF 19(628)-326
SCOTT, F I — PROJ/TASK NR. 4619-46190

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BY SHOOTER, D — DDC NR.
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BY ANDERSON, W M — DDC NR.
RUBE, R H — CONTRACT NR. AF 19(604)-8353
DREEBEN, A B — PROJ/TASK NR. 4608-460804
DRESNER, J
LIND, E L
MARK, P

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BY LEA, K R — DDC NR.
LEASK, M J M — CONTRACT NR. AF 61(052)-125
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BY DESMOND, R J — DDC NR.
PATTON, J E — CONTRACT NR. AF 19(604)-8822
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BY PASSELL, T O — DDC NR.
SWEDLUND, J B — CONTRACT NR. AF 19(604)-8827
TAIMUTY, S I — PROJ/TASK NR. 4619-461901

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BY WOLSKY, S — DDC NR.
SHOOTER, D — CONTRACT NR. AF 19(604)-8004
ZDANUK, E J — PROJ/TASK NR. 5620-562003

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BY UNZ, H — DDC NR.
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BY HILL, G. E. — DDC NR.
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A STATISTICAL ANALYSIS OF THE SYNCHRONIZATION OF DIGITAL RECEIVERS, APRIL 11, 1962.
BY KANEKO, H. — DDC NR.
CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 5632-56320

AFCRL-62-939
CALIFORNIA UNIVERSITY OF
A FEW PROBABILISTIC PROPERTIES OF MODULAR CIRCUITS, APRIL 30, 1962.
BY KANEKO, H. — DDC NR.
CONTRACT NR. AF 19(604)-5466
PROJ/TASK NR. 5632-56320

AFCRL-62-940
NEW YORK UNIVERSITY
THE APPLICATION OF CERTAIN RULER CONSTRUCTIONS TO THE POINCARE AND CAYLEY-KLEIN MODELS OF HYPERBOLIC GEOMETRY JULY 7, 1962.
BY KAPLAN, L J — DDC NR.
STOCK, D J R — CONTRACT NR. AF 19(604)-7486
PROJ/TASK NR. 5635-563501

AFCRL-62-944
RADIO CORPORATION OF AMERICA
HIGH TEMPERATURE SEMICONDUCTOR RESEARCH OCTOBER 31, 1962.
BY WEISBERG, L R — DDC NR.
CONTRACT NR. AF 19(604)-6152
PROJ/TASK NR. 4608-46088

AFCRL-62-945
OXFORD UNIVERSITY OF
INVESTIGATION INTO THE ORIGIN OF CRYSTALLINE ELECTRIC FIELD EFFECTS ON RARE EARTH IONS, I, CONTRIBUTION FROM NEIGHBOURING INDUCED MOMENTS, AUGUST 1962.
BY HUTCHINGS, M T — DDC NR.
RAY, D K — CONTRACT NR. AF 61(052)-125
PROJ/TASK NR. 5620-56203

AFCRL-62-946
LITTON SYSTEMS, INC.
INVESTIGATION OF AUTOMATION SPEECH PROCESSING FOR VOICE COMMUNICATION, JULY 15, 1961-OCTOBER 14, 1962
BY SEBESTYEN, G S — DDC NR.
VAN METER, D — CONTRACT NR. AF 19(604)-8828
PROJ/TASK NR. 4610-461002

AFCRL-62-947
LONDON, UNIVERSITY OF
A STUDY OF THE REPRESENTATION OF ENGLISH VOWEL PHONEMES IN THE ORTHOGRAPHY
REPR. FR. LANGUAGE AND SPEECH, VOL. 5, PART 2, PP. 67-117
APRIL-JUNE 1962
BY HIGGINBOTTOM, E M — DDC NR.
CONTRACT NR. AF 61(514)-1176
PROJ/TASK NR. 4610

AFCRL-62-948
LONDON, UNIVERSITY OF
FURTHER STUDIES IN INTONATION
REPR. FR. LANGUAGE AND SPEECH, VOL. 5, PART 1, PP. 1-14
JAN-MAR 1962
BY DENES, P — DDC NR.
MILTON-WILLIAMS, J — CONTRACT NR. AF 61(514)-1176
PROJ/TASK NR. 4610

AFCRL-62-949
BROWN UNIVERSITY,
INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER SEMICONDUCTORS, NOVEMBER 1962.
BY FARNSWORTH, H. E. — DDC NR.
DILLON, JR. J. A. — CONTRACT NR. AF 19(604)-5986
PROJ/TASK NR. 5620-56206

AFCRL-62-990
TRG, INCORPORATED
APPLICATION OF FRESNEL ZONE THEORY TO MICROWAVE ANTENNA DESIGN, NOVEMBER 15, 1962.
BY RAY, A F — DDC NR, CONTRACT NR, AF 19(628)-[illegible], PROJ/TASK NR, 4600-460002

AFCRL-62-991
NATIONAL BUREAU OF STANDARDS
THE RESONANT CHARACTERISTICS OF A CORRUGATED SPHERE, NOVEMBER 23, 1962.
RFPR, FR, J, OF RES, OF THE NAT, BU, OF STAND, - D, RADIO PROPAGATION, VOL, 67D, NO, 3, MAY-JUNE 1963
BY WAIT, J R — DDC NR, CONTRACT NR, PRO-61-968
JACKSON, C M — PROJ/TASK NR, 5639-563990

AFCRL-62-992
LEXINGTON LABORATORIES, INC.
INVESTIGATION OF HIGH TEMPERATURE THERMAL EXPANSION DEVICES AND DESIGN OF A UNIT FOR USE WITH THERMAL IMAGE HEATING DECEMBER 19, 1962.
BY POLWEILER, R C — DDC NR, CONTRACT NR, AF 19(628)-1616, PROJ/TASK NR, 5634-563401

AFCRL-62-993
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
IMPROVED HIGH MASS RANGE RESOLUTION WITH AN OMEGATRON MASS SPECTROMETER, OCTOBER 1962.
BY BLOOM, J M — DDC NR, CONTRACT NR,
LUDINGTON, C F — PROJ/TASK NR, 5634
PHIPPS, R L

AFCRL-62-994
HARVARD UNIVERSITY
SWITCHING PROPERTIES OF FERRITES AND GARNETS, NOVEMBER 30, 1962.
BY BURNSTEIN, H. — DDC NR, CONTRACT NR, AF 19(604)-5687, PROJ/TASK NR, 5633-563302

AFCRL-62-995
COMPUTER ASSOCIATES, INC.
SUMMARY OF A METHOD FOR THE AUTOMATIC CONSTRUCTION OF SYNTAX DIRECTED COMPILERS, DECEMBER 1962.
BY WARSHALL, S — DDC NR, CONTRACT NR, AF 19(628)-[illegible]619, PROJ/TASK NR, 4641-464102

AFCRL-62-997
MP ASSOCIATES
INVESTIGATION OF HOT ELECTRON EMITTER, SEPTEMBER 1, 1962-NOVEMBER 30, 1962.
BY ATALLA, M M — DDC NR, CONTRACT NR, AF 19(628)-1637, PROJ/TASK NR, 4600-460806
SOSHEA, R W
LUCAS, R C
FOX, C H
RFID, D A
DOWLER, W M

AFCRL-62-998
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
RADIATION PATTERN OF A SLIT IN A GROUND PLANE COVERED BY A PLASMA LAYER, DECEMBER 1962.
BY OMURA, M — DDC NR, CONTRACT NR, PROJ/TASK NR, 4642

AFCRL-62-999
GEOSCIENCE INCORPORATED
DEEP RESISTIVITY INVESTIGATION IN NEBRASKA, DECEMBER 1962.
BY CANTWELL, T — DDC NR, CONTRACT NR, AF 19 (628)-[illegible]791, PROJ/TASK NR, 6610-661001
DULANEY, F W

AFCRL-62-960
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
EXPERIMENTAL TUNNEL-DIODE CONVERTER FOR CONVERSION OF X-BAND FREQUENCIES TO UHF, DECEMBER 1962.
BY BLAESER, G M — DDC NR, CONTRACT NR, PROJ/TASK NR, 6610

AFCRL-62-961
NEW YORK UNIVERSITY
THE FIELD OF A PULSED DIPOLE IN AN INTERFACE, MAY 1961,
BY GARDNER C, S, — DDC NR, CONTRACT NR, AF 19(604)-5738, PROJ/TASK NR, 5639-563502
KELLER, J, B,

AFCRL-62-963
SOUTHERN CALIFORNIA, UNIVERSITY OF
RADIATION FROM AN AXIALLY SLOTTED CYLINDER COATED WITH A INHOMOGENEOUS DIELECTRIC SHEATH, DECEMBER 1962.
BY YEH, W M — DDC NR, CONTRACT NR, AF 19(604)-6195, PROJ/TASK NR, 4642-464202
KAPRIELIAN, Z A

AFCRL-62-964
INTERNATIONAL BUSINESS MACHINES CORPORATION
ADAM - A PROBLEM ORIENTED SYMBOL PROCESSOR DECEMBER 20, 1962.
BY MULLERY, A P — DDC NR, CONTRACT NR, AF 19(628)-1621, PROJ/TASK NR, 4641-464105
SCHAUER, R F
RICE, R

AFCRL-62-965
RADIO CORPORATION OF AMERICA
EVAPORATED THIN FILM DEVICES, NOVEMBER 30, 1962.
BY WEIMER, P K — DDC NR, CONTRACT NR, AF 19(628)-1617, PROJ/TASK NR, 4600-460804
BORKAN, H
HERRICH, V E
SMALLCROSS, F V

AFCRL-62-966
DENMARK, TECHNICAL UNIVERSITY OF
RECEPTION OF SKYWAVE SIGNALS NEAR A COASTLINE, SEPTEMBER 1962.
BY ANDERSEN, J B — DDC NR, CONTRACT NR, AF 61(052)-[illegible]03, PROJ/TASK NR, 5634

AFCRL-62-967
NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT
ON THE NETWORK DESCRIPTION OF ELECTROMAGNETIC FIELD PROBLEMS, OCTOBER 12, 1962.
BY TONNING, A — DDC NR, CONTRACT NR, AF 61([illegible])-[illegible]6, PROJ/TASK NR, 5634

AFCRL-62-968
CHALMERS UNIVERSITY OF TECHNOLOGY
DYNAMIC NON-LINEAR WAVE PROPAGATION IN IONIZED MEDIA, 5, REFLECTION OF ELECTROMAGNETIC WAVES FROM AN IONIZED STREAM IN THE PRESENCE OF A HIGH POWER PRIMARY WAVE, 1962.
BY WILHELMSSON, H H B — DDC NR, CONTRACT NR, AF 61(052)-[illegible]65, PROJ/TASK NR, 5561

AFCRL-62-969
CHALMERS UNIVERSITY OF TECHNOLOGY
DYNAMIC NON-LINEAR WAVE PROPAGATION IN IONIZED MEDIA , 6, SCATTERING OF ELECTROMAGNETIC WAVES BY AN ANISOTROPIC MEDIUM WITH A HARMONICALLY TIME-VARYING DIELECTRIC TENSOR 1962.
BY WILHELMSSON, H H B — DDC NR, CONTRACT NR, AF 61(052)-[illegible]65, PROJ/TASK NR, 5561

AFCRL-62-970
SOUTHERN CALIFORNIA, UNIVERSITY OF
THE KINETIC THEORY OF WAVES IN A WARM PLASMA EXCITED BY A CURRENT SOURCE, DECEMBER 1962.
BY RUPHL, H H — DDC NR, CONTRACT NR, AF 19(604)-[illegible]195, PROJ/TASK NR, 4642-464202

AFCRL-62-971
TYCO LABORATORIES, INC.
THE TRAVELLING SOLVENT METHOD OF CRYSTAL GROWTH DECEMBER 19, 1962.
BY GRIFFITHS, L M — DDC NR, CONTRACT NR, AF 19(604)-8803, PROJ/TASK NR, 4608-460804
WRIGHT, M A
MCABEE, A E

AFCRL-62-972
CASE INSTITUTE OF TECHNOLOGY
VARIATIONS ON THE FIALKOW-GERST SYNTHESIS TECHNIQUE DECEMBER 1962.
BY KODALI, V P — DDC NR, CONTRACT NR, AF 19(628)-[illegible]499, PROJ/TASK NR, 5634-563502

AFCRL-62-973
RADIO MATHEMATICAL LABORATORIES, INC.
ELECTRON STRAGGLING THEORY AND CALCULATION, AUGUST 1962.
BY RADIO III, R G — DDC NR, CONTRACT NR, AF 19(604)-7316, PROJ/TASK NR, 4608-460802

AFCRL-62-974
NEW YORK UNIVERSITY
A REPRESENTATION FOR CERTAIN LOSSLESS 2N-PORTS AND A MEASUREMENT METHOD FOR A LOSSLESS 6-PORT NOVEMBER 1, 1962.
BY STOCK, D J B — DDC NR, CONTRACT NR, AF 19(604)-7484, PROJ/TASK NR, 5634-563501
KAPLAN, L J

AFCRL-62-975
HUGHES AIRCRAFT COMPANY
SPATIAL FREQUENCY CHARACTERISTICS OF FINITE APERTURE ANTENNAS, JULY 1962.
BY ESTENSEN, A — DDC NR, CONTRACT NR, AF 19(628)-[illegible]99, PROJ/TASK NR, 4600-460006

AFCRL-62-976
HUGHES AIRCRAFT COMPANY
RADIATION THROUGH CYLINDRICAL PLASMA SHEATHS, AUGUST 1962.
BY HARRIS, J H — DDC NR, CONTRACT NR, AF 19(604)-8186, PROJ/TASK NR, 4600-460001

AFCRL-62-1000
PENNSYLVANIA STATE UNIVERSITY
METHODS FOR REDUCING THE BANDWIDTH REQUIRED [illegible] AN IONOSPHERIC PROBE EXPERIMENT, SEPTEMBER 1, 1962.
BY MACEMAN, W M — DDC NR, CONTRACT NR, AF 19(604)-8012, PROJ/TASK NR, 4609-460901

AFCRL-62-1001
GENERAL DYNAMICS
INFRARED HORIZON MEASUREMENTS FROM NEAR-ORBITING ALTITUDES AUGUST 15, 1962.
BY ANTHONY, R — DDC NR, CONTRACT NR, AF 19(604)-7617, PROJ/TASK NR, 4627-462702
SMILEY, V W

AFCRL-62-1002
MICHIGAN, UNIVERSITY OF
AGGLOMERATION OF CLOUD PARTICLES AND PROJECT MI-CHO PARTICIPATION JUNE 1962.
BY DINGLE, A N — DDC NR, CONTRACT NR, AF 19(604)-6161, PROJ/TASK NR, 8620-862006

AFCRL-62-1003
THE WEIZMANN INSTITUTE OF SCIENCE
PROPAGATION OF AN SH TORQUE PULSE IN A LAYERED SOLID JULY 1, 1962.
BY PERERIS, C L — DDC NR, CONTRACT NR, AF 61(052)-[illegible]09, PROJ/TASK NR, 8652-865251
ALTERMAN, Z
ABRAMOVICI, F

AFCRL-62-1004
GERMAN WEATHER SERVICE
BAROCLINIC FORECASTS WITH THE UNFILTERED 5-LAYER MODEL MAY 31, 1962.
BY EDELMANN, W — DDC NR.
REISER, H — CONTRACT NR. AF 61(052)-373
PROJ/TASK NR. 8628-86280

AFCRL-62-1005
OSLO, UNIVERSITY OF
ON THE INTERPRETATION OF VERY HIGH AURORAE, 1961.
BY OMHOLT, A — DDC NR.
CONTRACT NR. AF 61(052)-252
PROJ/TASK NR. 7661-76612

AFCRL-62-1006
PENNSYLVANIA STATE UNIVERSITY
IONOSPHERIC CURRENT PATTERNS IN HIGH LATITUDES, OCTOBER 15, 1962.
BY FAIRFIELD, D. H. — DDC NR.
CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8605-860501

AFCRL-62-1007
PENNSYLVANIA STATE UNIVERSITY
EXPERIMENTAL DETERMINATION OF THE CROSS SECTIONS FOR DISSOCIATIVE ATTACHMENT OF ELECTRONS IN MOLECULAR IODINE AND PHOTO-DETACHMENT OF ELECTRONS FROM NEGATIVE IONS OF ATOMIC IODINE, NOVEMBER 1, 1962.
BY KEEFFE, W. M. — DDC NR.
CONTRACT NR. AF 19(604)-4563
PROJ/TASK NR. 8605-860501

AFCRL-62-1008
OHIO STATE UNIVERSITY RESEARCH FOUNDATION
AN INTERFEROMETRIC-MODULATION ORDER-SEPARATOR FOR A FAR INFRARED SPECTROGRAPH SEPTEMBER 1962.
BY VANCE, M. F. — DDC NR.
CONTRACT NR. AF 19(604)-4119
PROJ/TASK NR. 8603-86033

AFCRL-62-1009
BERGEN UNIVERSITY OF
STATISTICS OF METEOROLOGICAL VARIABLES, SEPTEMBER 1, 1960 MAY 31, 1962
BY GODSKI, C L — DDC NR.
CONTRACT NR. AF 61(052)-416
PROJ/TASK NR. 6020-602004

AFCRL-62-1011
PHYSICAL METEOROLOGICAL OBSERVATORY, DAVOS, SWITZERLAND
INVESTIGATION ON THE SPECTRAL INTENSITY OF ULTRAVIOLET SKY AND SUN & SKY RADIATION UNDER VARIOUS CONDITIONS AT 1590 M A.S.L., MAY 1962.
BY BENER, P — DDC NR.
CONTRACT NR. AF 61(052)-54
PROJ/TASK NR.

AFCRL-62-1012
CALIFORNIA, UNIVERSITY OF
PRESSURE AS A FUNCTION OF DISTANCE II, OCTOBER 31, 1962.
BY DAVID, F N — DDC NR.
GUPTA, M K — CONTRACT NR. AF 19(604)-8051
PROJ/TASK NR. 8624-86242

AFCRL-62-1013
PENNSYLVANIA STATE UNIVERSITY
A COMPARISON OF DATA ACCURACY IN THE TROPOSPHERE AND IN THE STRATOSPHERE, SEPTEMBER 1962.
BY HOVERMALE, J B — DDC NR.
CONTRACT NR. AF 19(604)-7261
PROJ/TASK NR. 8641-86418

AFCRL-62-1014
ROYAL SWEDISH ACADEMY OF SCIENCE
SUNRISE AND SUNSET EFFECTS ON COSMIC NOISE ABSORPTION ASSOCIATED WITH AURORA AND MAGNETIC STORMS, APRIL 22, 1962.
BY HULTQVIST, B — DDC NR.
CONTRACT NR. AF 61(052)-601
PROJ/TASK NR. 4643

AFCRL-62-1015
ROYAL SWEDISH ACADEMY OF SCIENCE
THE HEIGHT DISTRIBUTION OF THE RATIO OF NEGATIVE ION AND ELECTRON DENSITIES IN THE LOWEST IONOSPHERE, MAY 6, 1962.
BY HULTQVIST, B — DDC NR.
CONTRACT NR. AF 61(052)-601
PROJ/TASK NR. 4643

AFCRL-62-1017
GEORGETOWN UNIVERSITY
RESEARCH DIRECTED TOWARD GEODETIC MEASUREMENTS BY OBSERVATIONS OF SOLAR ECLIPSES, NOVEMBER 1961.
BY HEYDEN, F. J. — DDC NR.
BALDINI A. — CONTRACT NR. AF 19(604)-2229
MATTINGLY, O. — PROJ/TASK NR. 7600-76007

AFCRL-62-1018
BARRINGER RESEARCH LIMITED
DICON EXPERIMENTAL MEASUREMENTS, AUGUST 31, 1962.
BY BARRINGER, A R — DDC NR.
CRONE, J D — CONTRACT NR. AF 19(628)-443
BRAY, D — PROJ/TASK NR. 7628-76299

AFCRL-62-1019
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
APPLICATION OF RADAR DATA TO FORECASTING OF TERMINAL WEATHER CONDITIONS, SEPTEMBER 1962.
BY AUSTIN, P. M. — DDC NR.
CONTRACT NR. AF 19(604)-5220
PROJ/TASK NR. 4641-46414

AFCRL-62-1020
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
THE LINEAR PREDICTABILITY OF PRECIPITATION, SEPTEMBER 1962.
BY ROEL, T. M. — DDC NR.
CONTRACT NR. AF 19(604)-5220
PROJ/TASK NR. 4641-46414

AFCRL-62-1021
MICHIGAN, UNIVERSITY OF
STUDY OF THE ROCKET-SOUNDING METHODS OF MEASURING THE UPPER ATMOSPHERE. (SOME GAS KINETIC PROBLEMS PERTAINING TO THE UPPER ATMOSPHERIC MEASUREMENTS), AUGUST 1962.
BY LIU, V. C. — DDC NR.
CONTRACT NR. AF 19(604)-5477
PROJ/TASK NR. 6690-66904

AFCRL-62-1022
NEW YORK UNIVERSITY
THE WIND SPECTRA OF THE TROPOSPHERE AND LOWER STRATOSPHERE OVER NORTH AMERICA, SEPTEMBER 1962.
BY CHIU, W C — DDC NR.
CONTRACT NR. AF 19(604)-6146
PROJ/TASK NR. 8645-86453

AFCRL-62-1023
NEW YORK UNIVERSITY
SOME SELECTED STUDIES ON THE WIND AND TEMPERATURE FIELDS OF THE TROPOSPHERE AND LOWER STRATOSPHERE, AUGUST 1962
BY CHIU, W C — DDC NR.
CONTRACT NR. AF 19(604)-6146
PROJ/TASK NR. 8645-86453

AFCRL-62-1024
AF CAMBRIDGE RESEARCH LABORATORIES (IN-HOUSE)
OBSERVATIONS OF THE DIURNAL VARIATION OF 5577 A OI AT SACRAMENTO PEAK, NEW MEXICO AND NATICK, MASSACHUSETTS, OCTOBER 1962
BY CRONIN, H E — DDC NR.
SILVERMAN, S M — CONTRACT NR.
PROJ/TASK NR. 8627

AFCRL-62-1025
AVCO CORPORATION
ANGULAR MIE SCATTERING, SEPTEMBER 1962.
REPR. FR. J. OF THE OPTICAL SOCIETY OF AMERICA, VOL. 52, NO. 4, 402-408, APRIL 1962
BY PENNDORF, R.B. — DDC NR.
CONTRACT NR. AF 19(604)-5743
PROJ/TASK NR. 7670-76794

AFCRL-62-1026
AVCO CORPORATION
MIE SCATTERING IN THE FORWARD AREA, SEPTEMBER 1962.
REPR. FR. INFRARED PHYSICS, 1962, VOL. 2, PP. 85-102
BY PENNDORF, R.B — DDC NR.
CONTRACT NR. AF 19(604)-5743
PROJ/TASK NR. 7670-76794

AFCRL-62-1027
AVCO CORPORATION
APPROXIMATION FORMULA FOR FORWARD SCATTERING, SEPTEMBER 1962.
REPR. FR. J. OF THE OPTICAL SOCIETY OF AMERICA, VOL. 52, NO. 7, 797-800, JULY 1962
BY PENNDORF, R. B — DDC NR.
CONTRACT NR. AF 19(604)-5743
PROJ/TASK NR. 7670-76794

AFCRL-62-1028
OHIO STATE UNIVERSITY
INTERPOLATION AND PREDICTION OF GRAVITY AND THEIR ACCURACY AUGUST 1962.
BY MORITZ, H — DDC NR.
CONTRACT NR. AF 19(604)-6201
PROJ/TASK NR. 7600-76002

AFCRL-62-1029
OHIO STATE UNIVERISTY
ON THE ARRANGEMENT OF GRAVITY STATIONS FOR THE UPWARD CONTINUATION, SEPTEMBER 1962.
BY MORITZ, H — DDC NR.
CONTRACT NR. AF 19(604)-6201
PROJ/TASK NR. 7600-76002

AFCRL-62-1030
HARVARD UNIVERSITY
A LONG-TERM NORTH-SOUTH ASYMMETRY IN THE LOCATION OF SOLAR SOURCES OF GREAT GEOMAGNETIC STORMS,
ON THE UNEQUAL SPOTTEDNESS OF THE TWO SOLAR HEMISPHERES,
ON SHORT-PERIOD RELATIONS BETWEEN NORTH-SOUTH ASYMMETRY IN SPOTTEDNESS AND IN GREAT-STORM SOURCES, NOV. 62.
BY BELL, B. — DDC NR.
WOLBACH, J. G. — CONTRACT NR. AF 19(604)-4962
PROJ/TASK NR. 7649-76490

AFCRL-62-1031
IONOSPHAREN - INSTITUT, BREISACH, GERMANY
SOLAR AND LUNAR TIDES IN THE DRIFT OF THE E REGION, JUNE 30, 1962.
BY HARNISCHMACHER, E — DDC NR.
CONTRACT NR. AF 61(052)-81
PROJ/TASK NR. 8605-86051

AFCRL-62-1032
MUNICH, UNIVERSITY OF
COMPUTATIONAL METHODS OF LONG WAVE ATMOSPHERIC RADIATION JANUARY 1962 .
BY MOLLER, F — DDC NR.
ZDUNKOWSKI, W — CONTRACT NR. AF 61(052)-493
PROJ/TASK NR. 8603-86032

AFCRL-62-1033
DENMARK, TECHNICAL UNIVERSITY OF
DIRECT OBSERVATION OF CORRELATION BETWEEN AURORAE AND HISS IN GREENLAND, FEBRUARY 27, 1962.
BY JORGENSEN, T S — DDC NR.
CONTRACT NR. AF 61(052)-298
PROJ/TASK NR. 7663-76635

AFCRL-62-1035
ASTRONOME & L-OBSERVATOIRE DE PARIS
POLARIMETRIC OBSERVATIONS OF PLANETS AND SATELLITES, JUNE 30, 1962.
BY DOLLFUS, A — DDC NR.
CONTRACT NR. AF 61(052)-508
PROJ/TASK NR. 8602-860203

AFCRL-62-1036
SASKATCHEWAN, UNIVERSITY OF
STUDIES OF AURORAL HYDROGEN EMISSIONS IN WEST-CENTRAL CANADA. 1. TIME AND GEOGRAPHICAL VARIATIONS JUNE 1962.
REPR. FR. CANADIAN J. OF PHYSICS. V. 40. 1962
BY MONTBRIAND, L E — DDC NR.
JONES, A V — CONTRACT NR. AF 19(604)-7265
PROJ/TASK NR. 7661-76612

AFCRL-62-1038
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OBSERVATION OF THE (0,0) BAND OF THE (1 G -3 -G) SYSTEM OF O IN THE DAY AND TWILIGHT AIRGLOW. OCTOBER 1962.
REPR. FR. NATURE, VOL. 196, NO. 4850, PP. 157-158, OCT 13 1962
BY NOXON, J F — DDC NR.
JONES, A V — CONTRACT NR. AF 19(604)-7265
PROJ/TASK NR. 7661-76612

AFCRL-62-1039
HARVARD UNIVERSITY
MEASURED VARIATION OF THE ELECTRONIC TRANSITION MOMENT OF VEGARD-KAPLAN BANDS IN N2. MARCH 12, 1962.
REPR. FR. J. QUANT. SPECTROSC. RADIAT. TRANSFER. VOL. 2, PP. 241-244
CARLETON, N P — DDC NR.
PAPALIOLIOS, C — CONTRACT NR. AF 19(628)-318
PROJ/TASK NR. 7661-76614

AFCRL-62-1040
HARVARD UNIVERISTY
LIFETIME OF THE LOWEST EXCITED LEVEL OF N2. DECEMBER 1960.
REPR. FR. J. OF CHEMICAL PHYSICS. VOL. 36, NO. 12, 3460-3463, JUNE 15, 1962
BY CARLETON, N P — DDC NR.
OLDENBERG, O — CONTRACT NR. AF 19(628)-318
PROJ/TASK NR. 7661-76614

AFCRL-62-1041
OHIO STATE UNIVERSITY
MOLECULAR ORBITALS FOR H2 BASED ON CENTRAL POTENTIALS AVERAGE HAMILTONIAN AND CORRELATION ENERGY. SEPTEMBER 1962.
BY PEEK, J. M. — DDC NR.
LASSETTRE, E. N. — CONTRACT NR. AF 19(604)-4541
PROJ/TASK NR. 7635-76353

AFCRL-62-1042
OHIO STATE UNIVERSITY
CORRELATION DIAGRAM FOR H2 OSCILLATOR STRENGTHS. SEPTEMBER 1962.
BY PEEK, J. M. — DDC NR.
LASSETTRE, E. N. — CONTRACT NR. AF 19(604)-4541
PROJ/TASK NR. 7635-76353

AFCRL-62-1043
COLUMBIA UNIVERSITY
SEISMIC WAVES COUPLED TO SONIC BOOMS. AUGUST 1962.
REPRINTED FROM GEOPHYSICS. VOL. XXVII. NO. 4. AUGUST 1962
BY OLIVER, J — DDC NR.
ISACKS, B — CONTRACT NR. AF 19(604)-7376
PROJ/TASK NR. 8652-86522

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ROYAL SWEDISH ACADEMY OF SCIENCE
STUDIES OF IONOSPHERIC ABSORPTION OF RADIO WAVES BY THE COSMIC NOISE METHOD. JUNE 15, 1962.
BY HULTQVIST, B — DDC NR.
CONTRACT NR. AF 61(052)-601
PROJ/TASK NR. 4643

AFCRL-62-1045
HEBREW UNIVERSITY
RESEARCH ON OPTICS OF SELECTIVE SURFACES. PERIOD COVERING SEPTEMBER 1, 1960 - MARCH 31, 1962
BY TABOR, H — DDC NR.
CONTRACT NR. AF 61(052)-279
PROJ/TASK NR. 6692-669203

AFCRL-62-1046
ISRAEL INSTITUTE OF TECHNOLOGY
YIELD AND ANGULAR DISTRIBUTION OF CERENKOV RADIATION FROM EXTENSIVE AIR SHOWERS. JULY 1, 1962.
BY KASHA, H — DDC NR.
OREN, Y — CONTRACT NR. AF 61(052)-196
SITTE, K — PROJ/TASK NR. 8600

AFCRL-62-1047
NORTHEASTERN UNIVERSITY
CALCULATION OF THERMOPOWER FACTORS FOR A PLASMA AND A METAL NOVEMBER 1, 1962.
BY DAVIS, J — DDC NR.
LANZA, G — CONTRACT NR. AF 19(604)-7358
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BY CHADAM, J — DDC NR,
CONTRACT NR,
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BY LUERS, F W — DDC NR,
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CONTRACT NR,
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CONTRACT NR,
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BY THOMPSON, L [illegible] — DDC NR,
HARRING, C B — CONTRACT NR,
PERRY, R W — PROJ/TASK NR, 7600

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CONTRACT NR, AF 19(604)-8481
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CONTRACT NR, AF 19(604)-8475
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BY CUMMINGS, C L — DDC NR,
GARLAND, G D — CONTRACT NR, AF 19(604)-8470
VOZOFF, K — PROJ/TASK NR, 8647-864701

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CONTRACT NR, AF 19(604)-8469
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ERICSON, W B — CONTRACT NR, AF 19(604)-8166
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CONTRACT NR, AF 19(604)-8166
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BY PENNDORF, R, B — DDC NR,
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CONTRACT NR, AF 61(052)-256
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CONTRACT NR, AF 19(604)-8802
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MUELLER, S — CONTRACT NR, AF 19(604)-7376
BOLT, B — PROJ/TASK NR, 8692-869201
FUTTERMAN, W

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CONTRACT NR, AF 19(604)-8761
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BY GOLOMB, D — DDC NR,
MASON, J — CONTRACT NR,
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BY — DDC NR,
CONTRACT NR, AF 61(052)-190
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CHICAGO, UNIVERSITY OF
ON THE PLACEMENT OF THE TROPOPAUSE IN THE ANTARCTIC, DECEMBER 1962.
BY OVERBY, R
DDC NR.
CONTRACT NR. AF 19(604)-7230
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BY FAUCHER, G A
PROCUNIER, R W
SHERMAN, F S
DDC NR.
CONTRACT NR.
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REPRESENTATION SCHEMES FOR INVESTIGATING NON-LINEAR PROCESSES, DECEMBER 1962
BY DEVORKIN, D B
DDC NR.
CONTRACT NR. AF 19(604)-4969
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CORRELATION BETWEEN EARTH CURRENTS AT GODHAVN, GREENLAND AND MAGNETIC DISTURBANCES, JUNE 1, 1962.
BY UNGSTRUP, E
PETERSEN, B M
DDC NR.
CONTRACT NR. AF 61(052)-298
PROJ/TASK NR. 7663

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DENMARK, TECHNICAL UNIVERSITY OF
OBSERVATIONS OF VLF RADIO NOISE AT GODHAVN, GREENLAND SEPTEMBER 1962.
BY UNGSTRUP, E
DDC NR.
CONTRACT NR. AF 61(052)-298
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GEOPHYSICS CORPORATION OF AMERICA
(U) REVIEW OF REQUIREMENTS AND PERFORMANCE OF LABORATORY EXPERIMENTS IN NUCLEAR WEAPON INDUCED CHEMILUMINESCENT REACTIONS, OCTOBER 22, 1962, SECRET
BY PRESSMAN, J
REIDY, W
TANK, W
JONATHAN, N
DDC NR.
CONTRACT NR. AF 19(604)-8489
PROJ/TASK NR. 7674-76759

AFCRL-62-1142
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BY PRESSMAN, J
DDC NR.
CONTRACT NR. AF 19(628)-231
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BOSTON COLLEGE
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BY LINEHAN, D.
DDC NR.
CONTRACT NR. AF 19(604)-5569
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(U) COMPILATION OF ATLAS, TITAN I, TITAN II, AND MINUTEMAN ROCKET ENGINE PARAMETERS, DECEMBER 17, 1962, CONFIDENTIAL
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DDC NR.
CONTRACT NR. AF 19(604)-5554
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(U) SOME SPECTRAL RADIANCE MEASUREMENTS OF A STATICALLY FIRED TITAN II, SECOND STAGE ROCKET ENGINE, DEC 17, 1962, SECRET
BY BARTLE, E R
HARSHBARGER, F
HERMAN, R
DDC NR.
CONTRACT NR. AF 19(604)-5554
PROJ/TASK NR. 5043

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(U) AMRAC PROCEEDINGS, RF-IR/OPTICAL PROGRAM DEVELOPMENT, VOLUME IV, PART I, MEETING OF 8-10 MAY 1961, COLORADO SPRINGS, COLORADO, SECRET
BY
DDC NR.
CONTRACT NR. AF 19(604)-7350
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BY
DDC NR.
CONTRACT NR. AF 19(604)-7350
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(U) BOEING PARTICIPATION IN INTERSERVICE RADIATION MEASUREMENT PROGRAM (IRMP), MEASUREMENT PERIOD ONE THRU FOUR JUNE 1961, SECRET
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BY MURAKAMI, T.
DDC NR.
CONTRACT NR. AF 19(604)-5223
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BY OORT, A H
DDC NR.
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BY NEWELL, R. E.
DDC NR.
CONTRACT NR. AF 19(604)-5223
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BY BELLMER, W A
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MAGNETORESISTANCE OF SINGLE CRYSTALS OF COPPER
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BY OLSEN O; RODRIGUEZ S; KITTEL C — DOC NO. — CONTRACT NO. AF 18(603)-66 — PROJ/TASK NO. 7772-10751

AFOSR TR 58-310
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN TIN
PHYS REV 100 606-609 OCT 1957
BY RIP A P; LARGENBERG D N; ROSENBLUM B; WAGONER G; KITTEL C — DOC NO. — CONTRACT NO. AF 18(603)-66 — PROJ/TASK NO. 7772-10751

AFOSR TR 58-919
KAROLINSKA INST STOCKHOLM SWEDEN
THE RELATION BETWEEN ACTIVITY AND BLOOD FLOW IN THE THYROID GLAND
BY SODERBERG U DDC NR.
CONTRACT NR. AF 61<514>-1009
PROJ/TASK NR. 7771-97760

AFOSR TR 58-926
PRINCETON UNIV NJ
APRIL 14, 1958. MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS. REIV. THE DIELECTRIC RELAXATION OF LIQUID AMMONIA
J CHEM PHYS 29 765-766 OCT 1958
BY PISH, R DDC NR. 194228
MILLER, C CONTRACT NR. AF 18<600>-1991
SMYTH C P PROJ/TASK NR. 7772-19750

AFOSR TR 58-928
WASHINGTON UNIV ST LOUIS MO
PROTON ANGULAR DISTRIBUTIONS FROM CR 52 55 DP REACTION AUG 58
PHYS REV 111 929-930 AUG 1958
BY ELWYN A J DDC NR. 219909
SHULL F B CONTRACT NR. AF 18<603>-108
CONDON E U PROJ/TASK NR. 5750-57504

AFOSR TR 58-660
COLUMBIA UNIV NY
FREE EVAPORATION OF ALKALI HALIDE CRYSTALS
J CHEM PHYS 30 917-927 FEB 1959
BY ROTHBERG, G M DDC NR. 190267
EISENSTADT, M CONTRACT NR. AF 18<600>-1994
KUSCH, P PROJ/TASK NR. 4750-47501

AFOSR TR 58-661
COLUMBIA UNIV NY
THE MOLECULAR COMPOSITION OF ALKALI FLUORIDE VAPORS OCT 58
BY EISENSTADT, M DDC NR. 190268
ROTHBERG, G M CONTRACT NR. AF 18<600>-1994
KUSCH, P PROJ/TASK NR. 4750-47501

AFOSR TR 58-679
FLORIDA UNIV OF GAINESVILLE
THE FORMATION OF LINEAR POLYMERS FROM DIENE MONOMERS BY A CYCLIC POLYMERIZATION MECHANISM. II. POLYACRYLIC ANHYDRIDE AND THE DERIVED POLYACRYLIC ACID
JACS 80 5464-5466 1958
BY CRAWSHAW, A DDC NR. 190290
BUTLER, G B CONTRACT NR.
PROJ/TASK NR. 7772-19750

AFOSR TR 58-689
CORNELL UNIV, ITHACA, NY
INVERSION OF TOEPLITZ MATRICES, MAR 1958
BY CALDERON, A. DDC NR. 190297
SPITZER, F. CONTRACT NR. AF18<600>-689
WIDOM H. PROJ/TASK NR. 1750-17501
WOLFOWITZ J <PI>

AFOSR TR 58-690
CORNELL UNIV, ITHACA, NY
MINIMAX FUNCTIONS, CONTIGUA FUN FUNCTIONS, AND PARTITIONS, MAY 1958
BY AGNEW R. P. DDC NR. 190298
WOLFOWITZ J PI PROJ/TASK NR. AF18<600>-689
1750-17501

AFOSR TR 58-691
CORNELL UNIV ITHACA N Y
ON RAPIDLY MIXING TRANSFORMATIONS AND AN APPLICATION TO CONTINUED FRACTIONS
BULL AMER MATH SOC 64 203-207 SEP 1958
BY KAC M DDC NR. 190299
KESTEN H CONTRACT NR. AF 18<600>-689
WOLFOWITZ J PROJ/TASK NR. 1750-17501

AFOSR TR 58-697
NEW YORK UNIV N Y
ON THE DERIVATION OF OBSERVED TRANSITION PHENOMENA IN THE LAMINAR BOUNDARY LAYER JAN 1958
BY LUDLOFF H F DDC NR. 190162
LUDLOFF J CONTRACT NR. AF 18<603>-29
PROJ/TASK NR. 1750-17900

AFOSR TR 58-699
NEW YORK UNIV N Y
DERIVATION OF THE TRANSITION FROM LAMINAR INTO TURBULENT FLOW ALONG A FLAT PLATE JUN 1958
BY LUDLOFF H F DDC NR. 190163
LUDLOFF J<PI> CONTRACT NR. AF 18<603>-29
PROJ/TASK NR. 1750-17900

AFOSR TR 58-696
WASHINGTON UNIV ST LOUIS MO
INVESTIGATION OF D D N NE 3 NEUTRONS AT 0 4 MEV
PHYS REV 111 1909-1915 SEP 1958
BY BAEHNICK W W DDC NR. 219909
FOWLER J M CONTRACT NR. AF 18<603>-108
CONDON E U PROJ/TASK NR. 5750-57504

AFOSR TR 58-923
US NATIONAL BUREAU OF STANDARDS WASH DC
THE STOKES FLOW PROBLEM FOR A CLASS OF AXIALLY SYMMETRIC BODIES APR 1959
J FLUID MECH 7 529-549 APR 1960
BY PAYNE, L. E. DDC NR. 190396
PELL, W. H. CONTRACT NR. CSO-600-97-16
DRESSLER R F<PI> PROJ/TASK NR. 1750-19799

AFOSR TR 58-929
US NATIONAL BUREAU OF STANDARDS WASH DC
JUL 1959. THE STOKES FLOW PROBLEM FOR A CLASS OF AXIALLY SYMMETRIC BODIES. II. THE FLOW ABOUT A SPINDLE.
BY PELL, W. H. DDC NR. 220970
PAYNE, L. E. CONTRACT NR. CSO-600-97-16
DRESSLER R F<PI> PROJ/TASK NR.

AFOSR TR 58-929
MINNESOTA UNIV OF MINNEAPOLIS
ELASTIC THEORY OF A WEAK CORE SANDWICH PANEL, INITIALLY WARPED, SIMPLY SUPPORTED, AND SUBJECTED TO COMBINED LOADING 9US 1958 PROC 90 U.S. CONG APP MECH BROWN U JUNE 11-14, 1958 P.273-286
BY CHIEH-CHIEN CHANG. DDC NR. 190998
PANG, B. Y. CONTRACT NR. AF 18<603>-112
FOCTOGLU, J. E. PROJ/TASK NR. 1750-17500

AFOSR TR 58-930
FORDHAM UNIV NEW YORK NY
PREPARATION OF ETHYL GLYOXYLATE OF ETHYL BROMOACETATE AND DIMETHYL SULFOXIDE.
CHEM INDUST PP 88-89 1959
BY TIEN, J M DDC NR. 190369
HUNSBERGER, I M CONTRACT NR. AF 18 <603>-127
PROJ/TASK NR. 9762-57620

AFOSR TR 58-931
WASHINGTON UNIV ST LOUIS MO
ANGULAR DISTRIBUTIONS FROM DEUTERON P RBARRMENT OF BERYLLIUM AND BORON
PHYS REV 111 2020-2026 DEC 1958
BY ZIEGLER R DDC NR. 190366
FOWLER J M CONTRACT NR. AF 18<603>-108
CONDON E U PROJ/TASK NR. 1750-17534

AFOSR TR 58-679
CHICAGO UNIV OF ILL
A SYSTEMATIC STUDY OF HYPERFRAGMENTS PRODUCED BY 6.5 GEV PI IN NUCLEAR EMULSION. MESIC DECAYS
NUOVO CIM SER X 10 1-40 1958
BY SLATER, W F DDC NR. 190396
TELEGDI, V<P.I.> CONTRACT NR. AF 49<638>-239
PROJ/TASK NR. 9750-57500

AFOSR TR 58-981
PRINCETON UNIV NJ
SHOCK INDUCED UNSTEADY LAMINAR COMPRESSIBLE BOUNDARY LAYERS ON A SEMI-INFINITE FLAT PLATE
J AERONAUTICAL SCIENCES- SUMMARY OF PAPER W/TITLE NOTE ON
BY LAM, S. H. DDC NR. 162101
CROCCO, L. CONTRACT NR. AF 18<600>-498
BOGDONOFF, S.<P.I.> PROJ/TASK NR. 1750-17500

AFOSR TR 58-980
ROCHESTER UNIV OF NY
THE PHOTOLYSIS OF POLYMETHYLVINYLKETONE AND POLYMETHYLISO PROPENYLKETONE JUL 1958
JACS 81 58-62 JAN 1959
BY WISSBRUN, K F DDC NR. 162111
NOYES&R, W A<P.I.> CONTRACT NR. AF 18<600>-1420
PROJ/TASK NR. 9760-57600

AFOSR TR 58-610
NORTHWESTERN UNIV EVANSTON ILL
ON HILBERT TRANSFORMS OF FUNCTIONS OF CLASS L JUL 1958
BY GOLDBERG R R DDC NR. 162130
CONTRACT NR. AF 49<638>-383
PROJ/TASK NR. 9783-57727

AFOSR TR 58-613
CALIFORNIA UNIV OF BERKELEY
CONTRIBUTION TO STATISTICAL DESIGNING OF SAMPLED-DATA CONTROL SYSTEM AUG 1958
BY NISHIMURA T DDC NR. 162161
JURY E I CONTRACT NR. AF 18<600>-1921
PROJ/TASK NR. 9760-57650

AFOSR TR 58-615
ROCHESTER UNIV OF NY
A SIMPLE PULSED ULTRAVIOLET LIGHT SOURCE SEP 1958
J OPT SOC AMER 49 629-633 MAY 1959
BY WEEKS, R D DDC NR. 162163
DUTTON, D<P.I.> CONTRACT NR. AF 18<600>-193
PROJ/TASK NR. 9761-57611

AFOSR TR 58-618
PURDUE UNIV, LAFAYETTE, IND
ON TEOPLITZ MATRICES, ABSOLUTE CONTINUITY, AND UNITARY EQUIVALENCE JUL 58
PACIFIC J MATH 9 837-846 1959
BY PUTNAM, C. R. DDC NR. 162167
CONTRACT NR. AF 18<603>-139
PROJ/TASK NR. 9750-19752

AFOSR TR 58-629
RENSSELAER POLYTECHNIC INST TROY NY
A PLANE STRESS PROBLEM IN PIECEWISE LINEAR PLASTICITY JUN 1958
BY BOYCE, W E DDC NR. 162159
HANDELMAN, G H<P.I.> CONTRACT NR. AF 18<600>-1586
PROJ/TASK NR. 1750-17900

AFOSR TR 58-636
US NATIONAL BUREAU OF STANDARDS WASH DC
KINETIC EQUATION FOR A PLASMA WITH UNSTEADY CORE JAN 1959
PHYS RFV 116-396-411 APR 1959
BY TCHEN, C. M. DDC NR. 162167
DRESSLER R F<PI> CONTRACT NR. CSO-600-97-16
PROJ/TASK NR. 1750-19793

AFOSR TR 58-645
PITTSBURGH UNIV OF PA
STUDY OF THE WURTZITE-TYPE BINARY COMPOUNDS. III. VALENCE BAND STRUCTURE OF BFO
J CHEM PHYS 30 579-583 FEB 1959
BY O-SULLIVAN, W DDC NR. 162177
KEPPER, P <P.I.> CONTRACT NR. AF 49<638>-321
DEAN, C<P.I.> PROJ/TASK NR. 7772-19791

AFOSR TR 58-693
AERONUTRONIC SYSTEMS, INC GLENDALE, CALIF
MAY 1957. A REPORT CONCERNING PAR SIDE PHASE II. PRELIMINARY STUDIES. <U> CONFIDENTIAL REPORT
BY TAYLOR G<PI> DDC NR. 512965
CONTRACT NR.
EARSCH M L<PI> PROJ/TASK NR. 4750-47503

AFOSR TR 58-661
PITTSBURGH UNIV OF PA
FEEDBACK COHERENCE CONTROL FOR SUPERREGENERATIVE SPECTROMETERS
REV SCI INSTR 29 1067 NOV 1958
BY DEAN, C DDC NR. 228953
KEPPER P<PI> CONTRACT NR. AF 49(638)-323
PROJ/TASK NR. 9762-57621

AFOSR TR 58-662
BROWN UNIV PROVIDENCE RI
A COAXIAL DISPLACEMENT DIELECTRIC CELL FOR LIQUIDS USABLE TO 250 MC
REV OF SCI INSTR 30 961-962 NOV 1959
BY LOVELL, S F DDC NR. 162193
COLE, R H CONTRACT NR. AF 49(638)-91
PROJ/TASK NR. 9760-57600

AFOSR TR 58-663
BROWN UNIV PROVIDENCE RI
A BRIDGE METHOD FOR MICROWAVE DIELECTRIC MEASUREMENTS
REV OF SCI INST 29 1016-1019 NOV 1958
BY GLARUM, S H DDC NR. 162196
COLE R C<PI> CONTRACT NR. AF 49(638)-91
PROJ/TASK NR. 9760-57600

AFOSR TR 58-664
BROWN UNIV PROVIDENCE RI
THE VISCOSITIES OF SOME UNDERCOOLED LIQUID ALKYL HALIDES
J CHEM PHYS 30 199-162 JAN 1959
BY DERMEY, D J DDC NR. 162199
COLE R C<PI> CONTRACT NR. AF 49(638)-91
PROJ/TASK NR. 9760-57600

AFOSR TR 58-666
WASHINGTON UNIV ST LOUIS MO
PROTON ANGULAR DISTRIBUTIONS FROM ZN 64 66 67 68 D P REACTIONS
PHYS REV 112 1667-1672 DEC 1958
BY SMALL P B DDC NR. 162197
ELWYN A J CONTRACT NR. AF 18(603)-108
CONDON E U PROJ/TASK NR. 9751-57912

AFOSR TR 58-669
TEXAS UNIV OF AUSTIN
DETECTION OF FAST NEUTRONS BY THE ASSOCIATED PARTICLE METHOD
REV SCI INSTR 29 982-985 NOV 1958
BY OEHUYSEN, P L DDC NR. 162201
BENNETT, E W CONTRACT NR. AF 33(038)-20681
ASHE, J B PROJ/TASK NR. 9791-57912
MILLETT, W F
HUDSPETH, F<P,I,>

AFOSR TR 58-681
PITTSBURGH UNIV OF PA
ON THE LOW TEMPERATURE OPTICAL ABSORPTION OF COCL2 6H2O AND COBR2 6H2O
PHIL MAG 4 219-242 FEB 1959
BY PAPPALARDO R DDC NR. 162219
KEPPIN P CONTRACT NR. AF 49(638)-323
DEAN C PROJ/TASK NR. 9762-57621

AFOSR TR 58-683
TEXAS UNIV OF AUSTIN
QUENCHING OF POSITRONIUM LIFETIMES BY MOLECULAR IODINE
PHYS REV 112 1924-1926 DEC 1958
BY MAYCHER, C W DDC NR. 228867
MILLETT, W F CONTRACT NR. AF 33(038)-20681
HUDSPETH, F<P,I,> PROJ/TASK NR. 9791-57912

AFOSR TR 58-686
WISCONSIN UNIV OF MADISON
THE ACID STRENGTH OF TRIPHENYLSILANOL
J INORG NUC CHEM 7 297-298 1958
BY WEST R DDC NR. 162220
BARRY R H CONTRACT NR. AF 49(638)-285
PROJ/TASK NR. 9760-57600

AFOSR TR 58-687
CORNELL UNIV ITHACA NY
A MASS SPECTROMETRIC STUDY OF THE VAPORIZATION OF LIF, BAF AND LIF-BAF MIXTURES
J CHEM PHYS 29 1070-1076 NOV 1958
BY PORTER, R F DDC NR. 162221
SCHOONMAKER, R C CONTRACT NR. AF 18(603)-1
PROJ/TASK NR. 7772-77915

AFOSR TR 58-694
COLUMBIA UNIV NY
NUCLEAR REORIENTATION SPECTRUM OF LI7 IN THE GASEOUS MONOMERS AND DIMERS OF THE LITHIUM HALIDES
J CHEM PHYS 30 92-97 JAN 1959
BY EUSCH, P DDC NR. 162228
CONTRACT NR. AF 18(600)-1336
PROJ/TASK NR. 4850-67901

AFOSR TR 58-695
CORNELL UNIV ITHACA NY
ONE-DIMENSIONAL INELASTIC COLLISIONS WITH IMPULSIVE INTERACTIONS
J CHEM PHYS 30 239-249 JAN 1959
BY WIDOM, B DDC NR. 162229
CONTRACT NR. AF 18(603)-111
PROJ/TASK NR. 9791-57911

AFOSR TR 58-699
NORTH CAROLINA UNIV OF CAMPEL HILL
RELATION BETWEEN CERTAIN INCOMPLETE BLOCK DESIGNS JUL 1958.
BY SHRIKHANDE, S. S. DDC NR. 162239
BOSE, R. C.<P,I,> CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-57658

AFOSR TR 58-716
BROWN UNIV PROVIDENCE RI
ON TRANSONIC FLOW ABOUT SLENDER, THREE-DIMENSIONAL BODIES JUL 1958
BY THOMSON H. U. DDC NR. 162269
HARPER P F <PI> CONTRACT NR. AF18(600)-664
PROJ/TASK NR. 1750-17900

AFOSR TR 58-719
POLYTECHNIC INST OF BROOKLYN NY
ON THE SOLUTION OF TE LAMINAR BOUNDARY LAYER EQUATIONS
JAS <READERS FORUM> 26 58-59 JAN 1959
BY EPSTEIN, M. DDC NR. 162250
FERRI A<PI> CONTRACT NR. AF 49(638)-217
PROJ/TASK NR. 1750-17900

AFOSR TR 58-717
POLYTECHNIC INSTITUTE OF BROOKLYN NY
THEORETICAL PRESSURE DISTRIBUTION ON A HEMISPHERE-CYLINDER COMBINATION
JAS<READERS FORUM> 26 63-64 JAN 1959
BY CASACCIO, A. DDC NR. 162252
FERRI A<PI> CONTRACT NR. AF 49(638)-217
PROJ/TASK NR. 1750-17900

AFOSR TR 58-721
HARVARD UNIV CAMBRIDGE, MASS
A FUNDAMENTAL INEQUALITY IN THE THEORY OF EXTENSION OF VALUATIONS, OCT 1958.
ILL J. MATH. 1 MAR 1957
BY COHEN, I. S. DDC NR. 162256
ZARISKI, O. CONTRACT NR. AF 18(600)-1[illegible]
PROJ/TASK NR. 1750-17900

AFOSR TR 58-722
TENNESSEE UNIV OF MEMPHIS
INITIAL VALUE PROBLEMS AND TIME-PERIODIC SOLUTIONS FOR A NONLINEAR WAVE EQUATION DECEMBER 1958
COMM PURE & APP MATH V 10 3 AUG 1957
BY PICKER P A DDC NR. 162257
FLEISCHMAN B A CONTRACT NR. AF 18(600)-[illegible]
PROJ/TASK NR.

AFOSR TR 58-727
CALIFORNIA INST OF TECHNOLOGY PASADENA
A 21 CM SURVEY AROUND THE PLEIADES
ASTROPHYS J 129 485-487 1959
BY MUELLER, M L DDC NR. 228907
TATEL, H E CONTRACT NR. AF 49(638)-21
GREENSTEIN, J<P,I,> PROJ/TASK NR. 9774-57663

AFOSR TR 58-731
COLUMBIA UNIV NY
ON A COMPLEMENTARY ENERGY PRINCIPLE IN LINEAR THERMOELASTICITY
J AERO SP SCI 25,,666,* OCT 1958
BY HERRMANN G. DDC NR. 162266
ARMENAKAS A. E. <PI> CONTRACT NR. AF 18(600)-1267
PROJ/TASK NR. 1750-17900

AFOSR TR 58-739
STANFORD UNIV CALIF
A SURVEY OF THE THEORIES OF CREEP BUCKLING
PROC 3D U.S. CONGRESS APPLIED MECHANICS BROWN U. JUNE 11-14 1958 P 29-49
BY HOFF, N. J. DDC NR. 162268
CONTRACT NR. AF 49(638)-[illegible]
PROJ/TASK NR. 1750-17900

AFOSR TR 58-744
PRINCETON UNIV NJ
A SPECTROSCOPIC INVESTIGATION OF THE NITRIC OXIDE-OZONE REACTION JUL 1958
J CHEM PHYS 30 360-369 JAN 1959
BY GARVIN, D DDC NR. 201910
CONTRACT NR. AF 18(603)-114
PROJ/TASK NR. 9761-57610

AFOSR TR 58-753
MARYLAND UNIV OF COLLEGE PARK
THE SECOND APPROXIMATION TO THE STRESS TENSON AND THE HEAT FLUX VECTOR IN A GAS FOR ERDOR.S FORM OF THECOLLISION EQUATION JUL 1958
BY YANG MSUN-TAIO DDC NR. 201612
BURGERS J. M. <PI> CONTRACT NR. AF49(638)-601
PROJ/TASK NR. 9781-57719

AFOSR TR 58-758
WASHINGTON UNIV
THE SCATTERING CONSTANT FOR MULTIPLY-CHARGED PARTICLES IN PHOTOGRAPHIC EMULSION 1958
BY FICHTEL, C DDC NR. 229979
FRIEDLANDER M W CONTRACT NR. AF 18(603)-108
CONDON, E U<P,I,> PROJ/TASK NR. 9751-57512

AFOSR TR 58-763
PRINCETON UNIV NJ
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS. III MEASUREMENTS OF DIELECTRIC CONSTANT AND LOSS 3 MM WAVELENGTH BY AN INTERFEROMETRIC METHOD
J CHEM PHYS 30 966-979 FEB 1959
BY GAMPOLLA, R W DDC NR. 201862
MILLER R C CONTRACT NR. AF 18(600)-1331
SMYTH C P PROJ/TASK NR. 9760-57600

AFOSR TR 58-766
WESTERN RESERVE UNIV CLEVELAND OHIO
COMPUTERS AND DOCUMENTATION - AUG 19, 1958
BY KENT A. DDC NR. 201869
GOFFMAN W. <PI> CONTRACT NR. AF49(638)-357
PROJ/TASK NR. 9769-57699

AFOSR TR 58-771
SOUTH CAROLINA UNIV OF COLUMBIA
A CIRCULAR POLARIZATION DUPLEXER FOR MILLIMETER WAVES NOV 1958
CONVEN ELECTRONI 936-937 JAN 1960
BY PELLERS, R G DDC NR. 201764
CONTRACT NR. AF 18(603)-63
PROJ/TASK NR. 9760-57690

AFOSR TR 58-781
CORNELL UNIV ITHACA NY
ULTRA-SMALL ANGLE X-RAY SCATTERING DEC 1958
BY PARRATT, L G DDC NR. 202002
PORTEUS, J O CONTRACT NR. AF 49(638)-602
PROJ/TASK NR. 9760-57601

AFOSR TR 58-795
CALIFORNIA INST TECHNOLOGY PASADENA
ABUNDANCES IN G DWARF STARS I. A COMPARISON OF TWO STARS IN THE HYADES WITH THE SUN
ASTROPHYS J 129 947-959 1959
BY WALLERSTEIN, G DDC NR, 202111
HELFER H L CONTRACT NR, AF 49(638)-21
GREENSTEIN JK<P.I.> PROJ/TASK NR, 9776-97663

AFOSR TR 58-796
LAVAL UNIV QUEBEC CAN
EVIDENCE FOR OXYGEN INTERMEDIATES IN GASES LIQUIDS & SOLIDS
RADIATION RSCH CH SUPPL I 160-169 1959
BY GIGUERE P A DDC NR, 202227
HERMAN J CONTRACT NR, AF 18(600)-492
PROJ/TASK NR, 9761-97610

AFOSR TR 58-799
BROWN UNIV PROVIDENCE RI
DIELECTRIC RELAXATION IN SOME TWO-COMPONENT SYSTEMS
J CHEM PHYS 30 1019-1026 APR 1959
BY DEBBEY, D J DDC NR, 202228
COLE R C<PI> CONTRACT NR, AF 49(638)-31
PROJ/TASK NR, 9760-97600

AFOSR TR 58-804
WASHINGTON UNIV OF ST LOUIS MO
A SIMPLIFIED TREATMENT FOR STRONG SHORT RANGE REPULSIONS IN N-PARTICLE SYSTEMS
PHYS REV 113 388-399 JAN 1959
BY CLARK J DDC NR, 229980
PEEBBERS E CONTRACT NR, AF 18(603)-108
CONDON E U PROJ/TASK NR, 9750-97504

AFOSR TR 58-806
WISCONSIN UNIV OF MADISON
THE REDUCTIVE COUPLING OF TRIPHENYLCHLOROSILANE
TETRAHEDRON 5 97-98 1959
BY SELIN, T DDC NR, 202961
WEST R<PI> CONTRACT NR, AF 49(638)-285
PROJ/TASK NR, 9760-97600

AFOSR TR 58-808
COLUMBIA UNIV, NY
..PERFECT PROBABILITY SPACES.. SEPT 1958
BY KALLIANPUR G. DDC NR,
GOBBINS H. <PI> CONTRACT NR, AF18(600)-442
PROJ/TASK NR, 6750-67500

AFOSR TR 58-816
WASHINGTON UNIV OF SEATTLE
THE INTERACTION OF KRYPTON WITH METALS, AN APPRAISAL OF SEVERAL INTERACTION THEORIES
J PHYS CHEM 63 680-686 MAY 1959
BY PIEROTTI, R A DDC NR, 232045
MALSEY JR, G D CONTRACT NR, AF 18(600)-987
PROJ/TASK NR, 9761-97610

AFOSR TR 58-817
YALE UNIV NEW HAVEN CONN
METASTABILITY OF 2S STATES OF HYDROGENIC ATOMS
PHYS REV 113 179-181 JAN 1959
BY SHAPIRO, J DDC NR, 202642
BREIT, G CONTRACT NR, AF 18(600)-771
PROJ/TASK NR, 9760-97600

AFOSR TR 58-829
CALIFORNIA UNIV OF BERKELEY
THE ANALYSIS AND COMPENSATION OF NONLINEAR SAMPLED-DATA AUG 1958 FEEDBACK SYSTEMS
BY RALLIN F J DDC NR, 202910
JURY E I CONTRACT NR, AF 18(600)-1521
PROJ/TASK NR, 9760-97650

AFOSR TR 58-839
ILLINOIS UNIV URBANA
EFFECT OF HEAVY DOPING ON THE DIFFUSION OF IMPURITIES IN GERMANIUM JUL 1958
BY VALERTA, R W DDC NR, 202920
BARDEEN JK<P.I.> CONTRACT NR, AF 18(600)-1510
PROJ/TASK NR, 9761-97631

AFOSR TR 58-856
BROOKLYN POLYTECHNIC INST NY
PHOTOREDUCTION OF ACRIDINE DYES
JACS 81 1597-1603 MAR 1959
BY WILLICH, F DDC NR, 202921
OSTER G CONTRACT NR, AF 18(600)-1182
PROJ/TASK NR, 9772-19750

AFOSR TR 58-859
PRINCETON UNIV NJ
INVESTIGATION OF THE INTERACTION OF A TURBULENT BOUNDARY LAYER WITH PRANDTL-MEYER EXPANSION FANS AT M 1.88 SEP 1958
BY MURTHY, S. N. B. DDC NR, 203081
MARRIOTT, A. G. CONTRACT NR, AF 18(600)-490
PROJ/TASK NR, 9781-97712

AFOSR TR 58-864
PURDUE UNIV LAFAYETTE IND
COORDINATION KINETICS OF ETHYLENEDIAMINETRAACETATE COMPLEXE
J PHYS CHEM 63 936-939 1959
BY MARGERUM D W DDC NR, 203336
CONTRACT NR, AF 49(638)-60
PROJ/TASK NR, 9761-97610

AFOSR TR 58-890
NORTH CAROLINA UNIV CHAPEL HILL
ANALYSIS OF VARIANCE WITH UNIVARIATE OR MULTIVARIATE FIXED OR MIXED CLASSICAL MODELS
BY ROY, S. N. DDC NR, 203491
ROY, J.
BOSE, R. C.<P.I.> CONTRACT NR, AF 49(638)-213
PROJ/TASK NR, 9769-97698

AFOSR TR 58-896
WASHINGTON UNIV SEATTLE
THE MICROWAVE SPECTRUM, STRUCTURE AND DIPOLE MOMENT OF CYCLOPROPENE
J CHEM PHYS 30 912-916 APR 1959
BY KASAI P DDC NR, 203500
MYERS, R CONTRACT NR, AF 18(600)-1522
ROGERS D F PROJ/TASK NR, 9760-97600
WIBERG K B
CROSS P C<P.I.>

AFOSR TR 58-899
STANFORD UNIV CALIF
ANALYSIS OF THE ESR ABSORPTION SPECTRUM OF MURSTER-S BLUE ION
J CHEM PHYS 30 991 JAN 1959
BY TUTTLE JR T R DDC NR, 290273
PAGE G E<P.I.> CONTRACT NR, AF 18(603)-191
PROJ/TASK NR, 9791-97911

AFOSR TR 58-860
TORONTO UNIV OF CAN
CANADIAN RESEARCH IN AERODYNAMIC NOISE JUL 1958
BY ETKIN, B. DDC NR, 203662
RIBNER, H. S. CONTRACT NR, AF 49(638)-269
PROJ/TASK NR, 1750-17500

AFOSR TR 58-861
INSTITUTE OF AEROPHYSICS TORONTO UNIV OF CAN
MEASUREMENT OF TWO-POINT CORRELATIONS OF THE SURFACE PRESSURE ON A CIRCULAR CYLINDER JUL 1958
BY PREMOERGAST, V. DDC NR, 203676
RIBNER H S<PI> CONTRACT NR, AF 49(638)-269
PROJ/TASK NR, 1750-17500

AFOSR TR 58-869
WASHINGTON UNIV ST LOUIS MO
MOLECULE FORMATION IN THE INERT GASES
J CHEM PHYS 30 691-694 MAY 1959
BY BERNARDES N DDC NR, 229980
PRIMAKOFF H CONTRACT NR, AF 18(603)-108
CONDON E U PROJ/TASK NR, 9750-979..

AFOSR TR 58-866
WASHINGTON UNIV ST LOUIS MO
POTENTIAL ENERGY MATRIX ELEMENTS BETWEEN NON-OVERLAPPING WAVE FUNCTIONS
NUOVO CIM SER X 11 620-636 1959
BY BERNARDES N DDC NR, 229980
CONDON E U CONTRACT NR, AF 18(603)-108
PROJ/TASK NR, 9791-97912

AFOSR TR 58-873
NORTHWESTERN UNIV, EVANSTON, ILL
GENERALIZED LINEAR DIFFERENTIAL SYSTEMS
J MATH & MECH 8 9 709-726 SEP 59
BY REID, W. T. DDC NR, 203915
CONTRACT NR, AF 18(603)-86
PROJ/TASK NR, 6750-67500

AFOSR TR 58-877
OKLAHOMA STATE UNIV STILLWATER
DETERMINATION OF MERCAPTOGROUPS IN OVAL BURIN WITH FERRICYANIDE
ARCH BIOCHEM BIOPHYS 82 319-329 JUN 1959
BY KATYAL J M DDC NR, 203911
GORIN G CONTRACT NR, AF 18(603)-139
PROJ/TASK NR, 7771-97760

AFOSR TR 58-885
ROCHESTER UNIV OF NY
EXCITED STATE WAVE FUNCTIONS, EXCITATION ENERGIES AND OSCILLATOR STRENGTHS FOR N2PSIS SEP 1958
PHYS REV 113 836-839 FEB 1959
BY GOLD, A DDC NR, 204101
KNOX R S CONTRACT NR, AF 49(638)-612
DEXTER D<P.I.> PROJ/TASK NR, 9760-97601

AFOSR TR 58-886
MICHIGAN UNIV OF ANN ARBOR
STUDIES IN CONNECTION WITH STABILIZED GASEOUS DETONATION WAVES
7TH SYMP ON COMBUSTION LONDON 28 AG-95 1958 PP 766-772
BY NICHOLLS, J. A. DDC NR, 204100
DABORA, E. K. CONTRACT NR, AF 18(600)-1199
GEALER, R. L. PROJ/TASK NR, 9790-97919

AFOSR TR 58-887
MINNESOTA UNIV OF MINNEAPOLIS
ON THE AERODYNAMIC INSTABILITY OF SUPERSONIC INLET-DIFFUSER JAN 1959
BY CHANG C C ZA DDC NR, 204099
MSU, C. T. CONTRACT NR, AF 18(600)-1555
PROJ/TASK NR, 9750-97519

AFOSR TR 58-899
PRINCETON UNIV NJ
A CLASS OF EXACT SOLUTIONS IN MAGNETOHYDRODYNAMICS OCT 1958
BY WU, C. S. DDC NR, 204134
BOGDONOFF, S.<P.I.> CONTRACT NR, AF 49(638)-669
PROJ/TASK NR, 9781-97717

AFOSR TR 58-896
POLYTECHNIC INST OF BROOKLYN NY
A NEW THEORY OF PLASTIC SANDWICH PLATES - ONE DIMENSIONAL CASE OCT 1958
BY YU, Y. Y. DDC NR, 204133
CONTRACT NR, AF 49(638)-669
PROJ/TASK NR, 9782-97717

AFOSR TR 58-897
POLYTECHNIC INST OF BROOKLYN NY
SIMPLE THICKNESS-SHEAR MODES OF VIBRATION IN INFINITE SANDWICH PLATES OCT 1958
BY YU, Y. Y. DDC NR, 204132
CONTRACT NR, AF 49(638)-669
PROJ/TASK NR, 9782-97717

AFOSR TR 58-898
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK LI, NY
CALIFORNIA UNIV OF BERKELEY, CALIF
RECENT ADVANCES IN GASEOUS DETONATION
ADS J 179-179 MAR 1959
BY GROSS, R. A. DDC NR. 204191
OPPENHEIM, A. K. CONTRACT NR. AF 49(638)-19
OPPENHEIM, A. K. CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9782-97521
PROJ/TASK NR. 9781-97910

AFOSR TR 58-900
CORNELL UNIV ITHACA NY
A MASS SPECTROMETRIC STUDY OF THE VAPORIZATION OF FERROUS
BROMIDE OCT 1958
J PHYS CHEM 63 620-620 APR 1959
BY PORTER R F DDC NR. 230806
SCHOONMAKER R C CONTRACT NR. AF 18(603)-1
PROJ/TASK NR. 9761-97630

AFOSR TR 58-901
CORNELL UNIV ITHACA NY
HEATS OF DIMERIZATION OF ALKALI FLUORIDE MOLECULES OCT 58
J CHEM PHYS 30 283-285 JAN 1959
BY PORTER R F DDC NR. 230805
SCHOONMAKER R C CONTRACT NR. AF 18(603)-1
PROJ/TASK NR. 9761-97630

AFOSR TR 58-904
TORONTO UNIV OF CAN
PRESSURE MEASUREMENTS IN FREE MOLECULE FLOW WITH A ROTATING
ANE APPARATUS MAY 1958
BY KUNTZ, E. P. DDC NR. 204431
PATTERSON, G. N.<P,I> CONTRACT NR. AF 18(600)-1184
PROJ/TASK NR. 1750-17600

AFOSR TR 58-905
COLUMBIA UNIV NY
PARAMAGNETIC RESONANCE OF METHYL- AND CHLORO-SUBSTITUTED
OCTOBER 1958
J CHEM PHYS 30 1006-1016 APR 1959
BY VENKATARAMAN P DDC NR. 204430
SEGAL B G CONTRACT NR. AF 18(600)-1390
FRAENKEL G K PROJ/TASK NR. 3760-37600

AFOSR TR 58-909
GEORGIA INST OF TECHNOLOGY ATLANTA
FLOW-FIELD MOBILITIES OF THE NEGATIVE IONS IN OXYGEN,
SULFUR HEXAFLUORIDE, SULFUR DIOXIDE AND HYDROGEN CHLORIDE
NOV 1958
PHYS REV 114 1028-1037 MAY 1959
BY MCDANIEL E W DDC NR. 204513
MCDOWELL M B C CONTRACT NR. AF 18(600)-1524
OERSCH M A<P,I.> PROJ/TASK NR. 6750-67501

AFOSR TR 58-914
MICHIGAN UNIV OF ANN ARBOR
LUMINESCENCE OF COLOR CENTERS IN KCL JAN 1959
BY BARRER J DDC NR. 204466
LAMBE J CONTRACT NR. AF 49(638)-68
TIFFANY L<P,I.> PROJ/TASK NR. 9761-97691
KIKUCHI C<P,I.>

AFOSR TR 58-917
ROCHESTER UNIV OF NY
HOST SENSITIZED LUMINESCENCE IN KI TI NOV 1958
INTERNAT CONF ON COLOR CENTERS & CRYSTAL LUMINESCENCE
AUST P 167
BY TEEGARDEN K DDC NR. 204563
DEXTER D<P,I.> CONTRACT NR. AF 49(638)-433
PROJ/TASK NR. 9761-97611

AFOSR TR 58-923
NEW YORK UNIV NY
THE COINCIDENCE OF SUBTESTS IN FOUR PERSONALITY INVENTORIES
OCT 1958
J SOC PSYCH 56 227-266 1962
BY GORGATTA E F DDC NR. 204957
CONTRACT NR. AF 49(638)-195
PROJ/TASK NR. 9778-97707

AFOSR TR 58-926
POLYTECHNIC INST OF BROOKLYN NY
ON THE THEORY OF H-TYPE TUBES WITH THICK BEAMS AUG 1958
BY KUNIEDA H DDC NR. 204738
MARCUVITZ N <P,I.> CONTRACT NR. AF 49(638)-360
PROJ/TASK NR. 6750-67501

AFOSR TR 58-928
CALIFORNIA INST OF TECHNOLOGY PASADENA
ABUNDANCES IN G DWARF STARS II THE HIGH VELOCITY STAR 85
PEGASI
ASTROPHYS J 129 720-729 1959
BY WALLERSTEIN G DDC NR. 228275
HELFER H L CONTRACT NR. AF 49(638)-21
GREENSTEIN J<P,I.> PROJ/TASK NR. 9776-97665

AFOSR TR 58-929
CALIFORNIA INST OF TECHNOLOGY PASADENA
VELOCITY CHANGES OF CHARGED PARTICLES IN A PLASMA
ASTROPHYS J 129 668-676 MAR 1959
BY KAHN F D DDC NR. 204735
GREENSTEIN J <P,I.> CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9776-97665

AFOSR TR 58-939
RUTGERS U NEW BRUNSWICK NJ
THE CONJUGATE FOURIER-STIELTJES INTEGRAL IN THE PLANE
BULL AM MATH SOC 65 1 12-19 JAN 1959
BY SHAPIRO, V. L. DDC NR. 232552
CONTRACT NR. AF 18(600)-1595
PROJ/TASK NR. 1050-17501

AFOSR TR 58-998
MICHIGAN UNIV OF ANN ARBOR
RUBY AS A MASER MATERIAL MAY 1959
BY KIKUCHI C DDC NR. 210440
LAMBE J CONTRACT NR. AF 49(638)-68
MAKHOV G PROJ/TASK NR. 9769-97631

AFOSR TR 58-999
PURDUE UNIV LAFAYETTE IND
HETEROGENEITY AS A FACTOR IN THE ALKYLATION OF AMBIDENT
ANIONS PHENOXIDE IONS
BY KORNBLUM N DDC NR. 205087
LURIE A P CONTRACT NR. AF 49 <638>-326
PROJ/TASK NR. 9782-97620

AFOSR TR 58-966
WASHINGTON UNIV ST LOUIS MO
ON DETECTION OF TRIPLET MOLECULES IN SOLUTION BY ELECTRON
SPIN RESONANCE
J CHEM PHYS 29 1189-1190 NOV 1958
BY WEISSMAN S I DDC NR. 203091
CARBON F CONTRACT NR. AF 49(638)-466
PROJ/TASK NR. 9791-97511

AFOSR TR 58-969
MARYLAND UNIV OF COLLEGE PARK
COSMIC RAY INCREASES PRODUCED BY SMALL SOLAR FLARES
PHYS REV LTRS 1 AUG 1958
BY CORRIGAN J J DDC NR. 205362
SINGER S F CONTRACT NR. AF 18(600)-1038
SWETNICK M J PROJ/TASK NR. 9776-97665

AFOSR TR 58-992
MARYLAND UNIV COLLEGE PARK
ARTIFICIAL MODIFICATION OF THE EARTH-S RADIATION BELT
J ASTRON SCI 61-10 1959
BY SINGER S F DDC NR. 205369
CONTRACT NR. AF 18(600)-1038
PROJ/TASK NR. 9776-97665

AFOSR TR 58-994
WAYNE STATE UNIV DETROIT MICH
A NOTE ON A THEOREM OF MATSUSHIMA AND YAMO OCT 1958
BY GOLDBERG K I DDC NR. 205367
CONTRACT NR. AF 49(638)-14
PROJ/TASK NR. 6750-67501

AFOSR TR 58-957
PRINCETON UNIV NJ
THE SHOCK TUBE AS A TOOL FOR SOLID PROPELLANT IGNITION
RESEARCH
JET PROP 28 478-481 JUL 1958
BY SUMMERFIELD, M. DDC NR. 182776
MCALEVY, R. F. CONTRACT NR. AF 49(638)-411
PROJ/TASK NR. 9761-97611

AFOSR TR 58-967
MIAMI UNIV OF CORAL GABLES, FLA
STOCHASTIC PROCESSES WITH DISCRETE STATE SPACE NOV 1958
BY AUSTIN, D. G. DDC NR. 205779
CONTRACT NR. AF 49(638)-184
PROJ/TASK NR. 6750-67501

AFOSR TR 58-968
COLUMBIA UNIV NY
FIDELITY OF A COMMUNICATION SYSTEM AFFECTED BY ATMOSPHERIC
TURBULENCE WITH APPLICATION TO LONG LINE-OF SIGHT RADIO
LINKS OCT 1958
BY RUGGOLO D S DDC NR. 205603
CONTRACT NR. AF 49(638)-350
PROJ/TASK NR. 6750-67501

AFOSR TR 58-968
COLUMBIA UNIV NY
CORRELATION FUNCTION AND POWER SPECTRA OF RADIO LINKS AFFEC
BY RANDOM DIELECTRIC NOISE
IRE TRANS ANTENNAS AND PROPAGATION AP-7 157-161 APR 1959
BY RUGGOLO D S DDC NR. 220409
CONTRACT NR. AF 49(638)-350
PROJ/TASK NR. 9788-97690

AFOSR TR 58-980
MICHIGAN UNIV OF ANN ARBOR
LOW-TEMPERATURE HEAT CAPACITIES AND THERMODYNAMIC PROPERTIE
OF ZINC FERRITES--III EFFECT OF COPPER SUBSTITUTION
J PHYS CHEM SOLIDS 10 120-129 1959
BY WESTRUM, JR. E F DDC NR. 205877
GRIMES D M CONTRACT NR. AF 18(603)-8
PROJ/TASK NR. 9761-97611

AFOSR TR 58-984
JOHNS HOPKINS UNIV BALTIMORE MD
ON SOLUTIONS OF DELTA V V EQUALS ZERO IN AN EXTERIOR REGION
ON SOLUTIONS OF V V IN AN EXTERIOR REGION NOV 58
BY HARTMAN, P. DDC NR. 205916
CONTRACT NR. AF 18(603)-61
PROJ/TASK NR. 1750-19797

AFOSR TR 58-985
COLUMBIA UNIV NY
ON CHEMICAL EQUILIBRIUM AMONG THE POLYMERS OF THE ALKALI
HALIDES
J CHEM PHYS 30 604-605 FEB 1959
BY EISENSTADT M DDC NR. 205913
RAO V S CONTRACT NR. AF 18(600)-1116
ROTHBERG G M PROJ/TASK NR. 6750-67501
KUSCH P<P,I.>

AFOSR TR 58-987
CHICAGO UNIV OF ILL
A SYSTEMATIC STUDY OF HYPERFRAGMENTS PRODUCED BY 6.5 BEV PI
IN NUCLEAR EMULSION, II, NON-MESIC DECAYS
NUOVO CIM SER X 10 61-67 1958
BY SILVERSTEIN E M DDC NR. 205911
TELEGDI V<PI> CONTRACT NR. AF 49(638)-209
PROJ/TASK NR. 9750-97500

AFOSR TR 58-988
SYRACUSE UNIV NY
COVARIANT CONSERVATION LAWS IN GENERAL RELATIVITY 1958
PHYS REV 113 934-936 FEB 1959
BY KOMAR A DDC NR. 204910
BERGMANN P <P,I.> CONTRACT NR. AF 18(600)-699
PROJ/TASK NR. 9791-97511

AFOSR TR 58-989
CALIFORNIA UNIV OF BERKELEY
BASIC RESEARCH IN MICROWAVE ELECTRONICS OCT 1958
BY WHINNERY J R — DDC NO. 209909 — CONTRACT NO. AF 49(638)-102 — PROJ/TASK NO. 9768-97650

AFOSR TR 58-990
CALIFORNIA UNIV OF BERKELEY
LAMINAR FLOW IN MAGNETICALLY FOCUSED CYLINDRICAL ELECTRON BEAMS NOV 1958
IRE TRANSACTIONS BEING SUBMITTED
BY PALMER J L; WHINNERY J R — DDC NO. 209908 — CONTRACT NO. AF 49(638)-102 — PROJ/TASK NO. 9768-97650

AFOSR TR 58-991
BROWN UNIV PROVIDENCE RI
MICROSCOPIC EDDYING NEAR A VIBRATING ULTRASONIC TOOL TIP
J APPL PHYS 30 949-950 JUN 1959
BY JACKSON P J; NYBORG W L — DDC NO. 298661 — CONTRACT NO. AF 18(603)-56 — PROJ/TASK NO. 9791-97911

AFOSR TR 58-993
MICHIGAN UNIV OF ANN ARBOR
RESPONSE OF SHALLOW VISCOELASTIC SPHERICAL SHELLS TO TIME DEPENDENT ANTISYMMETRIC LOADS NOV 1958
J APPL MATH IN 107-121 JUL 1960
BY NAGHDI, P. M.; ORTHWEIN, W. C. — DDC NO. 209905 — CONTRACT NO. AF 18(603)-47 — PROJ/TASK NO. 1750-17500

AFOSR TR 58-994
MICHIGAN UNIV OF ANN ARBOR
ON THERMO-ELASTIC STRESS-STRAIN RELATIONS FOR THIN ISOTROPIC SHELLS NOV 1958
BY NAGHDI, P. M. — DDC NO. 209904 — CONTRACT NO. AF 18(603)-47 — PROJ/TASK NO. 1750-17500

AFOSR TR 58-996
WASHINGTON UNIV OF SEATTLE
THE DEUTERON MAGNETIC RESONANCE SPECTRUM AND RELAXATION IN FD2 P 96
PHYS REV 110 961-968 MAY 1959
BY BJORKSTAM J L; UEHLING E A; UEHLING E A — DDC NO. 209902 — CONTRACT NO. AF 49(638)-92 — PROJ/TASK NO. 9760-97601

AFOSR TR 58-1000
HARVARD UNIV CAMBRIDGE MASS
A UNIFYING THEOREM FOR THE EQUATION OF WAVESIN ONE DIMENSION NOV 1958
COMPTES RENDUS DES SCI DE L-ACADEMIE DES SCIENCES 5 MAY 58
BY COPSON E T — DDC NO. 208169 — CONTRACT NO. AF 18(600)-1661 — PROJ/TASK NO. 9789-97727

AFOSR TR 58-1007
NORTHWESTERN UNIV EVANSTON ILL
CERTAIN OPERATORS AND FOURIER TRANSFORMS ON L2 MAR 1959
BY GOLDBERG R R — DDC NO. 208150 — CONTRACT NO. AF 49(638)-989 — PROJ/TASK NO. 9789-97727

AFOSR TR 58-1009
IOWA STATE UNIV AMES IOWA
TESTING EQUALITY OF MEANS WHEN VARIANCES MAY DIFFER NOV 58
BY GURLAND, J.; ROSENBERG, L. — DDC NO. 208152 — CONTRACT NO. AF 49(638)-65 — PROJ/TASK NO. 9760-97650

AFOSR TR 58-1010
ARTHUR D LITTLE INC CAMBRIDGE, MASS
THE IGNITION OF GASES BY ELECTRICALLY HEATED WIRES - PART I
JAN 1958
BY GORDON, W. E.; ASHMAN, L. E. — DDC NO. 208153 — CONTRACT NO. AF 18(603)-109 — PROJ/TASK NO. 9791-97910

AFOSR TR 58-1011
ARTHUR D. LITTLE, INC., CAMBRIDGE, MASS
THE IGNITION OF GASES BY ELECTRICALLY HEATED WIRES - PART II JAN 1958
BY GORDON, W. E.; ASHMAN, L. E. — DDC NO. 208154 — CONTRACT NO. AF 18(603)-109 — PROJ/TASK NO. 9791-97910

AFOSR TR 58-1022
CALIFORNIA UNIV, BERKELEY,
ON TENSOR PRODUCTS OF N-PLANE BUNDLES NOV 1958
BY THOMAS E.; ROSTANT B <PI> — DDC NO. 208362 — CONTRACT NO. AF49(638)-79 — PROJ/TASK NO. 9760-97650

AFOSR TR 58-1026
AEROJET GENERAL CORP AZUSA CALIF
HIGH FREQUENCY INSTABILITIES AND SCALING IN ROCKET ENGINES
AEROJET JUL 1958 <DECLASSIFIED FROM CONFIDENTIAL 19 SEP 60>
BY THOMAS, R.; PICKFORD, R. S.<P,I.> — DDC NO. 182295 — CONTRACT NO. AF 49(638)-178 — PROJ/TASK NO. 9790-97919

AFOSR TR 58-1027
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, L.I., NY
ON THE SPEED OF SOUND IN AIR NOV 1958
PHYS FLUIDS 2 276-279 MAY - JUN 1959
BY GROSS, R. A.; EISEN, C. L. — DDC NO. 182296 — CONTRACT NO. AF 49(638)-19 — PROJ/TASK NO. 9782-97921

AFOSR TR 58-1030
BAYLOR UNIV HOUSTON TEX
PREDICTION OF BODY EXTERIOR VS. BODY INTERIOR REACTIVITY FROM A BODY IMAGE SCHEMA
J PERSONALITY 27 58-62 MAR 1959
BY FISHER S — DDC NO. 182297 — CONTRACT NO. AF 18(603)-79 — PROJ/TASK NO. 9770-97708

AFOSR TR 58-1031
BAYLOR UNIV HOUSTON TEX
A DEVELOPMENT ANALYSIS OF SOME IMAGE AND BODY REACTIVITY DIMENSIONS
CHILD DEVELOP 30 389-402 1959
BY FISHER S; FISHER R L; LARSON W T <P,I.> — DDC NO. 182298 — CONTRACT NO. AF 18(603)-79 — PROJ/TASK NO. 9770-97708

AFOSR TR 58-1032
BAYLOR UNIV HOUSTON TEX
EXTENSIONS OF THEORY CONCERNING BODY IMAGE AND BODY REACTIVITY
PSYCHOSOMATIC MED 2 162-169 MAR-APR 1959
BY FISHER S; LARSON W T<P,I.> — DDC NO. CONTRACT NO. AF 18(603)-79 — PROJ/TASK NO. 9770-97708

AFOSR TR 58-1033
WESTERN RESERVE UNIV CLEVELAND O
ACOUSTIC DELAY LINE MEMORY FOR HUTCHINSON-SCARROTT CIRCUITS DEC 1958
BY ROBINSON A L; MAJOR J R<P,I.> — DDC NO. 208683 — CONTRACT NO. AF 18(603)-61 — PROJ/TASK NO. 9750-97504

AFOSR TR 58-1037
ROYAL COLLEGE OF SCI AND TECHNOLOGY GLASGOW SCOTLAND
JUL 1958. AN APPLICATION OF THE WEBER-ORR TRANSFORM TO THE PROBLEM OF TRANSONIC FLOW PAST A FINITE WEDGE IN A CHANNEL
BY HELLIWELL, J. B.; PACK, D. C. <P,I.> — DDC NO. 208686 — CONTRACT NO. AF 61(514)-1170 — PROJ/TASK NO. 9781-97712

AFOSR TR 58-1042
STANFORD UNIV CALIF
HOMOMORPHISMS OF CERTAIN ALGEBRAS OF MEASURES DEC 1958
BY GLICKSBERG I; DE LEEUW K — DDC NO. 208672 — CONTRACT NO. AF 49(638)-296 — PROJ/TASK NO. 9750-97500

AFOSR TR 58-1043
TORONTO UNIV OF CAN
INVESTIGATION OF FREE-MOLECULE AND TRANSITION FLOWS NEAR THE LEADING EDGE OF A FLAT PLATE NOV 1958
BY HARRIS, P. L.; PATTERSON G N<P.I> — DDC NO. 208757 — CONTRACT NO. AF 18(600)-1185 — PROJ/TASK NO. 1750-17500

AFOSR TR 58-1046
WAYNE STATE UNIV DETROIT MICH
AFFINE TRANSFORMATIONS IN A QUATERNION MANIFOLDS NOV 1958
BY GOLDBERG, S. I. — DDC NO. 208759 — CONTRACT NO. AF 49(638)-14 — PROJ/TASK NO. 9750-97500

AFOSR TR 58-1048
WASHINGTON UNIV OF SEATTLE
A PRECISION ADSORPTION APPARATUS FOR THE STUDY OF THE STUDY OF THE INTERACTIONS BETWEEN GAS ATOMS AND SURFACES
J PHYS CHEM 63 1350-1359 SEP 1959
BY CORNSTARARIS G; SINGLETON J H; HALSEY JR G D — DDC NO. 292046 — CONTRACT NO. AF 18(600)-987 — PROJ/TASK NO. 9761-97610

AFOSR TR 58-1091
POLYTECHNIC INST OF BROOKLYN NY
PHOTOREDUCTION OF DYES IN RIGID MEDIA. I. TRIPHENYLMETHANE DYES
JACS 81 1869-1872 APR 1959
BY OSTEN G; JOUSSOT-DUBIEN J; BROYDE B — DDC NO. CONTRACT NO. AF 49(638)-299 — PROJ/TASK NO. 9760-97600

AFOSR TR 58-1093
CALIFORNIA INST OF TECHNOLOGY PASADENA
EXACT SOLUTION OF LONGITUDINAL ACOUSTIC WAVES PROPAGATING ALONG AN ANISOTROPIC CYLINDER JAN 1959
BY STERN E A; DUWEZ, P<P,I.> — DDC NO. 208981 — CONTRACT NO. AF 18(600)-1461 — PROJ/TASK NO. 9760-97601

AFOSR TR 58-1095
INST FOR ADVANCED STUDY PRINCETON NJ
ON A CONJECTURE OF N. HADWIGER NOV 1958
BY GRUNBAUM, B.; MORSE, M. <P,I.>; BEURLING A<PI> — DDC NO. 208983 — CONTRACT NO. AF 49(638) 295 — PROJ/TASK NO. 9760-97650

AFOSR TR 58-1097
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO NY
ACOUSTIC PROPAGATION IN A DIATOMIC GAS SUBJECT TO THERMAL OR CHEMICAL RELEXATION DEC 1958
BY GIBSON W E; MOORE P E — DDC NO. 208958 — CONTRACT NO. AF18(603)-19 — PROJ/TASK NO. 1750-17519

AFOSR TR 58-1098
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
POLARIZED NEUTRON STUDIES ON ANTIFERROMAGNETIC SINGLE CRYSTALS NOV 1958
BY NATHANS R; RISTE T; SHIRANE G; SHULL C G — DDC NO. 208984 — CONTRACT NO. AF 18(603)-84 — PROJ/TASK NO. 7772-19791

AFOSR TR 58-1099
TRINITY COLLEGE HARTFORD CONN
NOV 1958 REGULARITY PRESERVING FACTOR SEQUENCE TRANSFORMATIONS OF SERIES OF CHARACTERISTIC FUNCTIONS OF THE DIFFERENTIAL OPERATOR ZN-D2/DZ2
BY ELIASZAK, W. J. — DDC NO. 208990 — CONTRACT NO. AF 18(600)-1397 — PROJ/TASK NO. 1750-17501

AFOSR TN 58-1061
CALIFORNIA UNIV OF BERKELEY
THE EFFECT OF IMPURITIES AND HEAT TREATMENT ON THE DUCTILIT
OF MGO DEC 1958
BY GORUM A E DOC NR. 207221
LUMMAN W M CONTRACT NR. AF 49(638)-56
PASE J A PROJ/TASK NR. 9761-57611
PARKER E R<P.I.>

AFOSR TN 58-1062
STANFORD UNIV CALIF
GRAVITATIONAL PROPERTIES OF ANTIMATTER DEC 1958
PROC NAS 44 60-68 JAN 1959
BY SCHIFF L I DOC NR. 207222
CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-57500

AFOSR TN 58-1065
CALIFORNIA INST OF TECHNOLOGY PASADENA
TILT BOUNDARY MOTION PRODUCED BY STATIC AND DYNAMIC SHEAR
STRESS IN ZINC CRYSTALS NOV 1958
BY VREELAND JR T DOC NR. 207225
CLARE D S<P.I.> CONTRACT NR. AF 18(600)-490
PROJ/TASK NR. 9760-57601

AFOSR TN 58-1068
CORNELL UNIV ITHACA NY
REMARKS ON ROCKET AND AERODYNAMIC APPLICATIONS OF
MAGNETOHYDRODYNAMICS CHANNEL FLOW DEC 1958
BY WILSON T A DOC NR. 207228
SEARS W R <PI> CONTRACT NR. AF 18(600)-1529
PROJ/TASK NR. 1750-17500

AFOSR TN 58-1069
POLYTECHNIC INST OF BROOKLYN NY
SOLUTIONS OF SUPERSONIC INTERFERENCE PROBLEMS BY
GENERALIZED INTEGRAL RELATIONSHIP-EXAMPLES FOR A CIRCULAR
CYLINDRICAL BODY OCT 1958
BY TING, L. DOC NR. 207229
FERRI A<PI> CONTRACT NR. AF 18(600)-696
PROJ/TASK NR. 1750-17500

AFOSR TN 58-1079
CHICAGO UNIV OF ILL
A CONTRIBUTION TO THE STUDY OF DIFFUSION OF NEUTRAL
PARTICLES TR
BUL MATH BIOPHYSI 21 129-140 1959
BY PATLAK C S DOC NR. 207656
LANDAHL H L<P.I.> CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9777-57700

AFOSR TN 58-1081
AVCO RSCH LABORATORY EVERETT, MASS,
ELECTRIC ARC GAS HEATERS FOR RE-ENTRY SIMULATION AND
SPACE PROPULSION NOV 1958
BY BROGAN T R DOC NR. 209916
PATRICK R <PI> CONTRACT NR. AF49(638)-61
PROJ/TASK NR. 9752-57520

AFOSR TN 58-1082
AEROCHEM RSCH LABORATORIES PRINCETON NJ
STEADY STATE SURFACE TEMPERATURES IN DISSOCIATED HIGH-SPEED
GAS FLOWS
AEROSP SCI 26 984-985 JUN 1959
BY ROSNER, D. E. DOC NR. 208916
CALCOTE, H. F.<P.I.> CONTRACT NR. AF 49(638)-900
PROJ/TASK NR. 9752-57520

AFOSR TN 58-1083
NORTHWESTERN UNIV EVANSTON ILL
DEFORMATION OF SINGLE CRYSTALS CONTAINING GUINIER-PRESTON
ZONES DEC 1958
BY KELLY A DOC NR. 207930
PINE M E<P.I.> CONTRACT NR. AF 18(600)-1660
PROJ/TASK NR. 9760-57831

AFOSR TN 58-1084
CALIFORNIA UNIV OF , BERKELEY.
THE PRINCIPLE THREE-DIMENSIONAL SUBGROUP AND THE BETTI
NUMBERS OF A COMPLEX LIE GROUP DEC 1958
BY KOSTANT B. DOC NR. 207981
CONTRACT NR. AF49(638)-79
PROJ/TASK NR. 9769-57650

AFOSR TN 58-1089
MINNESOTA UNIV OF MINNEAPOLIS
THE DERIVATION OF STRESS-DEFORMATION RELATIONS FOR A
STOKESIAN FLUID
J MATH & MECH 8 659-670 JUL 1959
BY SERRIN J B DOC NR. 207982
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-57650

AFOSR TN 58-1086
HARVARD UNIV CAMBRIDGE MASS
ON THE ANALOGUE FOR MATRIALLY CONVERGENT POLYNOMIALS OF
JENTZSCH THEOREM DEC 1958
BY WALSH, J. L. DOC NR. 207983
AHLFORS, L V<P.I.> CONTRACT NR. AF 18(600)-1461
PROJ/TASK NR. 9789-57727

AFOSR TN 58-1087
MINNEAPOLIS UNIV OF MINNESOTA
THE POISEUILLE AND COUETTE FLOW OF NON-NEWTONIAN FLUIDS
ZEIT FUR ANGE MAN DTE MATH & MECH 39 299-299 JUL AUG 59
BY SERRIN J D<P.I.> DOC NR. 207984
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-57650

AFOSR TN 58-1089
TECHNISCHE HOCHSCHULE AURCHEN GERM
NOV.1958. AUXIARY TABLES FOR THE COMPUTATION OF LINEARIZED
WING-BODY INTERFERENCE FLOWS.
BY SEITER, H. J. DOC NR. 207986
SAUER R<PI> CONTRACT NR. AF 61(514)-1000
PROJ/TASK NR. 9781-57712

AFOSR TN 58-1090
UPPSALA UNIV SWEDEN
THE CRYSTAL STRUCTURE OF RU 783 NOV 1958
BY ARONSSON B DOC NR. 207987
HAGG G<P.I.> CONTRACT NR. AF 61(052)-40
PROJ/TASK NR. 9762-57621

AFOSR TN 58-1091
ISTITUTO ELETTROTECNICO NZIONALE GALILEO FERRARIS
ELECTRON MICROSCOPY STUDY OF SURFACE STRUCTURES IN HIGH
PURITY AL AND IN AL/4% CU ALLOY PART II NOV 1958
BY BONFIGLIOLI G DOC NR. 207988
FERRO A CONTRACT NR. AF 61(514)-1339
ROJONI A PROJ/TASK NR. 9760-57601
MONTALENTI G<P.I.>

AFOSR TN 58-1093
PRINCETON UNIV NJ
ON THE FLOW OF GASES UNDER NEARLY FREE MOLECULAR CONDITION
DEC 1958
BY WILLIS, D. R. DOC NR. 207994
BOGDONOFF S<PI> CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-57712

AFOSR TN 58-1096
ISTITUTO ELETTROTECNICO NAZIONALE GALILEO FERRARIS
EFFECT OF NEUTRON BOMBARDMENT ON THE MAGNETIC PROPERTIES O
IRON, SEP 1958
BY BIONCI G DOC NR. 207997
BONFIGLIOLI G CONTRACT NR. AF 61(514)-1331
FERRO A PROJ/TASK NR. 9760-57601
MONTALENTI G

AFOSR TN 58-1097
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
RESOLUTION STEREOCHEMICAL CORRELATION, AND MAXIMUM ROTATIO
OF THE NORBORNANE-AND 5PHORBORNENE-2-CARBOXYLIC ACIDS
JACS 81 6083-6087 AUG 1959
BY BERSON J A DOC NR.
BEN-EFRAIM D A CONTRACT NR. AF 18(600)-1964
PROJ/TASK NR. 9760-57600

AFOSR TN 58-1098
WASHINGTON UNIV OF SEATTLE
AN EXACT LATTICE-CLUSTER EXPANSION FOR THE FROST POINTS OF
ARGON-KYPTON GAS MIXTURES
J CHEM PHYS 30 1914-1917 JUN 1959
BY WALLING J F DOC NR. 292047
HALSEY JR G D CONTRACT NR. AF 18(600)-987
PROJ/TASK NR. 9761-57610

AFOSR TN 58-1125
MARYLAND UNIV OF COLLEGE PARK
THE VIBRATION SPECTRA OF DISORDERED LATTICES OCT 1958
BY DOMB, C DOC NR. 207892
MARADUDIN A A CONTRACT NR. AF 18(600)-1319
MONTROLL P W PROJ/TASK NR. 9761-57511
WEISS G H

AFOSR TN 58-1126
RENSSELAER POLYTECHNIC INST TROY NY
INVISCID FLOW AROUND A BLUNT BODY OF A REACTING MIXTURE OF
GASES, PART B, NUMERICAL SOLUTIONS DEC 1958
BY LICK, W. DOC NR. 216726
LI, T.Y.<P.I.> CONTRACT NR. AF 18(600)-1991
PROJ/TASK NR. 1750-17519

AFOSR TN 58-1129
PRINCETON UNIV N J
DEC 1958 HYPERSONIC VISCOUS FLOW PAST A BLUNT BODY WITH
PRESENCE OF MAGNETIC FIELD.
BY CHING-SHENG WU DOC NR. 231176
BOGDONOFF S<PI> CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-57712

AFOSR TN 58-1127
PRINCETON UNIV N. J.
DEC 1958 A NOTE ON THE PRESSURE DISTURBANCE AT GROUND LEV
CAUSED BY A HIGH-FLYING SUPERSONIC AIRCRAFT.
BY FREEMAN N. C. DOC NR. 207781
LAN S. H. CONTRACT NR. AF 49(638)-465
BOGDONOFF S<PI> PROJ/TASK NR. 9781-57717

AFOSR TN 58-1128
ROCHESTER UNIV OF NY
PHOTOISOMERIZATION PROCESSES IN CYCLIC KETONES II
CYCLOHEXANONE AND 2-METHYL CYCLOHEXANONE DEC 1958
BY SRINIVASAN R DOC NR. 207975
NOYES JR W A<PI> CONTRACT NR. AF 18(600)-1520
PROJ/TASK NR. 9760-57600

AFOSR TN 58-1130
PLASMADYNE CORP SANTA ANA CALIF
THE PUNCH METHOD OF COMPRESSING, HEATING AND CONFINING OF
PLASMA DEC 1958
BY LOOS H G DOC NR. 207975
BLACKMAN V H<P.I.> CONTRACT NR. AF 49(638)-919
PROJ/TASK NR. 9752-57520

AFOSR TN 58-1191
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE STEREOCHEMISTRY OF THE PERBENZOIC ACID OXIDATION OF
SPTICALLY ACTIVE CIS-ACETYLNORBORNANE DEC 1958
AAC 81 6088-6096 AUG 1959
BY BERSON J A DOC NR.
SUZUKI S CONTRACT NR. AF 18(600)-1964
PROJ/TASK NR. 9760-57600

AFOSR TN 58-1192
ITALY UNIV OF
OCT 1958 HEAT CONDUCTION IN SOLIDS AT HYPERSONIC SPEED.
BY BROGLIO L DOC NR. 207977
CONTRACT NR. AF 61(514)-888
PROJ/TASK NR. 9782-57710

AFOSR TR 98-1139
CALIFORNIA UNIV OF BERKELEY CALIF
ON THE DEVELOPMENT OF GASEOUS DETONATION III. IONIZATION WORLD LINES JAN 1959
BY MECNT, G. J., DOC NR., 200082
LADERMAN, A. J., CONTRACT NR., AF 49 (638)-166
STERN, B. A., PROJ/TASK NR., 9791-97910
OPPENHEIM, A. K.

AFOSR TR 98-1196
RENSSELAER POLYTECHNIC INST TROY N Y
ON MODEL STUDIES OF METALLIC SURFACE ASPERITIES DEC 1958
J APPL PHYS 30 1959-1963 OCT 1959
BY LING F F, DOC NR., 200083
LUCOR R C, CONTRACT NR., AF 49(638)-67
PARKER E B, PROJ/TASK NR., 9761-97611

AFOSR TR 98-1199
ILLINOIS UNIV OF URBANA
ON THE KIRKENDALL EFFECT IN THE HEXAGONAL CLOSE-PACKED PHASE OF CADMIUM AND MERCURY DEC 1958
J APPL PHYS 06 449-450 MAR 1959
BY RILLPATRICK D M, DOC NR., 200084
BALLUFFI R W, CONTRACT NR., AF 18(603)-106
PROJ/TASK NR., 9760-97601

AFOSR TR 98-1196
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THEORETICAL AND EXPERIMENTAL TOTAL ENERGY DISTRIBUTION OF FIELD EMISSION ELECTRONS DEC 1958
PHYS REV 113 110-116 JAN 1959
BY YOUNG R D, DOC NR., 200085
MULLER, E W(P.I.), CONTRACT NR., AF 18(600)-672
PROJ/TASK NR., 9761-97611

AFOSR TR 99-1
UTAH UNIV OF SALT LAKE CITY
A SENSITIVITY TEST FOR KINETIC DATA, MAR 1958
BY MORREY J R, DOC NR., 200101
HILL G R, CONTRACT NR., AF 49(638)-28
PROJ/TASK NR., 9760-97600

AFOSR TR 99-2
NORTHWESTERN UNIV EVANSTON, ILL
THE ISOPERIMETRIC INEQUALITY AND ASSOCIATED BOUNDARY PROBLEMS DEC 58
J OF MATH AND MECH 8,96,0897-906,0 NOV 1959
BY REID W. T., DOC NR., 200102
CONTRACT NR., AF 49(638)-600
PROJ/TASK NR., 9760-97650

AFOSR TR 99-4
IOWA STATE UNIV AMES, IOWA
SOME FAMILIES OF CONTAGIOUS DISTRIBUTIONS 1959
BY PATTI S. F., DOC NR., 200106
GURLAND J, CONTRACT NR., AF 49(638)-69
PROJ/TASK NR., 9783-97727

AFOSR TR 99-5
STEVENS INST. OF TECHNOLOGY HOBOKEN, N J
STATIONARY NONEQUILIBRIUM GIBBSIAN ENSEMBLES
PHYS. REV. 116,01192-1202,0 JUN 1959
BY LEBOWITZ J. L., DOC NR.,
PAJARS J(P1), CONTRACT NR., AF 49(638)-992
PROJ/TASK NR., 9791-97911

AFOSR TR 99-6
ARMOUR RSCH FOUND CHICAGO ILL
PRESSURE EFFECTS IN LUMINESCENCE,0 PART II ISOBARIC EXPERIMENTS ON NAI(T1)
PHYS REV 116 1693-1699 JUN 1959
BY REIPPEL L, DOC NR., 200302
CONTRACT NR., AF 49(638)-113
PROJ/TASK NR., 9763-97631

AFOSR TR 99-7
CORNELL UNIV ITHACA N Y
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF THE ATOMIC PHENOMENA OCCURING ON AND NEAR THE SURFACES OF SOLIDS DEC 1958
BY SIEGEL B M, DOC NR., 200303
BRADLEY R C, CONTRACT NR., AF 18(600)-676
PROJ/TASK NR., 9761-97611

AFOSR TR 99-8
BELL AIRCRAFT COR BUFFALO, N Y
A HIGH-SPEED HIGH-RESOLUTION PHOTOGRAPHIC TECHNIQUE FOR THE OBSERVATION OF PROPELLANTS INJECTED INTO A FIRING ROCKET COMBUSTION CHAMBER, PART 1-2 MAY 1959
BY ROSSMANN T G, DOC NR., 200304
BY ROSSMANN T G, DOC NR., 221069
REINHARDT T F, CONTRACT NR., AF 49(638)-760
PROJ/TASK NR., 9751-97910

AFOSR TR 99-9
PRINCETON UNIV PRINCETON, N J
THEORY OF CHARACTERISTIC CLASSES 1959
BY MILNOR J, DOC NR., 200201
MOORE J C, CONTRACT NR., AF 18(600)-1496
PROJ/TASK NR., 9783-97727

AFOSR TR 99-10
POLYTECHNIC INST OF BROOKLYN N Y
EXPERIMENTAL PRESSURE DISTRIBUTIONS ON A CONICAL ELLIPTIC BODIES AT MACH 5.00 AT 0.0 DEC 1958
BY ZAKKAY V, DOC NR., 200991
VISICH, JR M, CONTRACT NR., AF 49(638)-217
PERRI A(P1), PROJ/TASK NR., 9781-97712

AFOSR TR 99-11
RENSSELAER POLYTECHNIC INST TROY N Y
A STUDY OF THE USE OF OPTIAL COORDINATES FOR SOME VISCOUS FLOW PROBLEMS APR 1958
BY YEH H. T., DOC NR., 200992
CONTRACT NR., AF 49(638)-29
PROJ/TASK NR., 9781-97712

AFOSR TR 99-12
LOUVAIN UNIV OF BELGIUM
STUDIES ON THE MECHANISM OF ELECTROLUMINESCENCE
PERIOD 19 NOV. 58-16 NOV 58. FEB 1959 FINAL REPORT
BY JUYCEK A., DOC NR., 210672
VANDEWAUWER J., CONTRACT NR., AF 61(514)-1110
RIES S., PROJ/TASK NR., 9762-97621
MOUREAU A.,
LUYCEK A.

AFOSR TR 99-13
RIAS INC, BALTIMORE MD
ON THE BEHAVIOR OF THE SOLUTIONS OF LINEAR PERIODIC DIFFERENTIAL SYSTEMS NEAR RESONANCE POINTS
CONTRIBUTIONS TO THE THEORY OF NONLINEAR OSILLATIONS 4 99-89 1959
BY HALE J K, DOC NR., 200593
LEFSCHETZ S, CONTRACT NR., AF 49(638)-382
PROJ/TASK NR., 9783-97726

AFOSR TR 99-15
CALIFORNIA INST OF TECHNOLOGY PASADENA
MAGNETOHYDRODYNAMIC WAVES JAN 1959
BY COLE J. D., DOC NR., 200596
CONTRACT NR., AF 49(638)-676
PROJ/TASK NR., 9781-97712

AFOSR TR 99-16
RENSSELAER POLYTECHNIC INST TROY N Y
EXPLORATORY EXPERIMENTAL STUDY OF A NEW METHOD OF ENERGY EXCHANGE BETWEEN STEADY FLOWS MAY 1958
BY GUMAN W J, DOC NR., 200595
FOA J V, CONTRACT NR., AF 18(603)-37
PROJ/TASK NR., 9781-97712

AFOSR TR 99-15
CALIFORNIA UNIV OF SANTA BARBARA
NUCLEAR ABSORPTION CROSS SECTIONS FOR 1.0 BEV NEUTRONS DEC 58
PHYS REV. 114,01376-1379,0 JUNE 59
BY BARRETT P H, DOC NR., 200596
CONTRACT NR., AF 49(638)-0
PROJ/TASK NR., 9790-97500

AFOSR TR 99-16
YALE UNIV NEW HAVEN, CONN
THE MAGNETIC MOMENT OF HELIUM IN ITS 3S1 METASTABLE STATE
PHYS REV 112,01627-1637 DEC 1958
BY DRAKE C., DOC NR.,
LURIO A., CONTRACT NR., AF 18(600)-1569
HUGHES V. W., PROJ/TASK NR., 9767
WHITE J.

AFOSR TR 99-18
GENERAL ATOMIC SAN DIEGO, CALIF.
IONIZATION OF ATOMIC AND MOLECULAR OXYGEN ON ELECTRON IMPACT MAR 1959
BY FITE W L., DOC NR., 200599
BRACKMANN W. T., CONTRACT NR., AF49(638)-356
PROJ/TASK NR., 9760-97691

AFOSR TR 99-19
WEIZMANN INST OF SCI REHOVOT ISRAEL
AN NMR STUDY OF THE PROTOLYSIS KINETICS IN METHANOL AND ETHANOL DEC 1958
J CHEM PHYS 901540-1549 JUN 1959
BY LUZ Z., DOC NR., 200600
GILL D., CONTRACT NR., AF 61(052)-69
MEIBOOM S., PROJ/TASK NR., 9760-97600

AFOSR TR 99-21
MARYLAND UNIV OF COLLEGE PARK
THE USE OF FOURIER TRANSFORMS FOR THE STUDY OF SINGULAR POINTS IN THE FREQUENCY SPECTRUM OF A CRYSTAL NOV 1958
BY PERETTI J., DOC NR., 200751
MARADUDIN A., CONTRACT NR., AF 18(600)-1515
MONTROLL E W(P1), PROJ/TASK NR., 9791-97911

AFOSR TR 99-22
TEXAS UNIV OF AUSTIN
EFFECTS OF HIGH PRESSURE ON THE NEAR ULTRAVIOLET VAPOR ABSORPTION SPECTRUM OF BENZENE IN A NUMBER OF DILUENT GASES DEC 1958

J CHEM PHYS 30 627-636 FEB 1959
BY BASU S. P., DOC NR., 200752
ROBINSON J. M., CONTRACT NR., AF 49(638)-39
ROBERTSON W. W., PROJ/TASK NR., 9763-97630

AFOSR TR 99-23
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE REACTION OF(-)-ENDO - BORNYLAMINE WITH NITROUS ACID DEC 1958
JAC 81 6098-6099 AUG 1959
BY BERSON J. A., DOC NR.,
BEN-EFRAIM D. A., CONTRACT NR., AF 18(600)-1966
PROJ/TASK NR., 9760-97600

AFOSR TR 99-24
CHICAGO UNIV OF ILL
THE EFFECT OF PRESSURE ON SELF-DIFFUSION IN LEAD
J CHEM PHYS 31 139-150 JUL 1959
BY NACHTRIEB N. H., DOC NR., 200796
RESING H. A., CONTRACT NR., AF 18(600)-1689
RICE S. A., PROJ/TASK NR., 9761-97610

AFOSR TR 99-25
CHICAGO UNIV ILL
A METHOD OF PREPARING THIN FILMS OF ALLOYS SUITABLE FOR OPTICAL STUDIES
J OPTICAL SOC AMER 49,01191-1195,0 DEC 1959
BY SCHULZ L. G., DOC NR., 200795
NACHTRIEB, N H(P.I.), CONTRACT NR., AF 18(600)-1689
PROJ/TASK NR., 9761-97610

AFOSR TR 59-26
CHICAGO UNIV OF, ILL
THE NP-PROBLEM AND THE STRUCTURE OF NP-GROUPS DATED JAN 1959
BY HUGHES D. R. DDC NR. 208869
THOMPSON J. G. CONTRACT NR. AF18(600)-1383
MACLANE S<P.I.> PROJ/TASK NR. 9752-17922

AFOSR TR 59-27
CALIFORNIA INST OF TECHNOLOGY PASADENA
DIRECT RADIATIVE CAPTURE OF PROTONS BY O16 AND NE 20
PHYS. REV. 116,#1060-1064,# MAY 1959
BY TANNER N DDC NR. 208870
GREENSTEIN J L<PI> CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9776-17663

AFOSR TR 59-28
WASHINGTON UNIV ST. LOUIS, MO
MUON CAPTURE IN CERTAIN LIGHT NUCLEI
IL NUOVO CIMENTO SERIE, V.12,#327-355,#1959
BY FUJII A. DDC NR. 208873
PRIMAKOFF H. CONTRACT NR. AF 18(603)-108
COHEN E U PROJ/TASK NR. 9791-17912

AFOSR TR 59-29
PURDUE UNIV LAFAYETTE, IND
MUON CAPTURE IN CERTAIN LIGHT NUCLEI
IL NUOVO CIMENTO SER X, V.12,#327-355,# 1959
BY EISE R W DDC NR. 208873
CONTRACT NR. AF 18(600)-1579
PROJ/TASK NR. 9790-17900

AFOSR TR 59-30
FRANKLIN INST SWARTHMORE PA
DETERMINATION OF NUCLEAR DISINTEGRATION ENERGIES PERIOD
1 NOV 56-31 OCT 58
BY MANDEVILLE C E DDC NR. 211922
VAN PATTER D M CONTRACT NR. AF 18(600)-1920
PORTER W C PROJ/TASK NR. 9791-17912
ROTHMAN M A
SWANN C P

AFOSR TR 59-31
NORTH CAROLINA UNIV OF CHAPEL HILL
ON THE GREATEST DISTANCE BETWEEN TWO CHARACTERISTIC ROOTS
OF A MATRIX
26,#655-662,# DEC 1959
BY BAUER A. T. DDC NR. 208876
NEWBORN A. C. CONTRACT NR. AF 18(603)-38
PROJ/TASK NR. 9769-17658

AFOSR TR 59-32
ARTHUR D. LITTLE, INC. CAMBRIDGE, MASS
A TEMPERATURE-REGULATED IGNITION SOURCE JAN 1959
REV. SCI INST 31,#93-98,# JAN 1960
BY PRESTON J DDC NR. 209202
ASHMAN L F CONTRACT NR. AF 18(603)-109
GORDON W F PROJ/TASK NR. 9791-17910

AFOSR TR 59-33
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO N Y
THE TAILORED-INTERFACE HYPERSONIC SHOCK TUNNEL MAR 1958
AERO/SP SCI,# 26,# 219-228 APR 59
BY WITTLIFF,C.E. DDC NR. 209203
WILSON, M CONTRACT NR. AF18(603)-10
HERTZBERG A PROJ/TASK NR. 9781-17712

AFOSR TR 59-34
ROCHESTER UNIV OF N Y
THE PHOTO-OXIDATION OF ISOPROPYL IODIDE
J PHYS CHEM 63,#1926-1928,# SEP 1959
BY MCMILLAN G. R. DDC NR. 209204
MOYES JR W. A. CONTRACT NR. AF 18(600)-1420
PROJ/TASK NR. 9760-17600

AFOSR TR 59-35
MASSACHUSETTS INST OF CAMBRIDGE
INELASTIC DIFFUSION IN PANELS NOV 1958
BY CHEN H. H. DDC NR. 209205
ASHLEY H <P.I.> CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-17710

AFOSR TR 59-36
MARYLAND UNIV OF COLLEGE PARK
PLASMADYNAMICS-FROM THE GASDYNAMIC POINT OF VIEW DEC 1958
BY PAI SHIH-I DDC NR.
BURGERS J M<P.I.> CONTRACT NR. AF49(638)-601
PROJ/TASK NR. 9781-17712

AFOSR TR 59-37
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF BI12PO, NOV 1958
BY RUNDQVIST S. DDC NR. 209207
LARSSON E. CONTRACT NR. AF 61(052)-40
MAGG G. PROJ/TASK NR. 9762-17621

AFOSR TR 59-38
INST DE QUIMICA FISICA MADRID SPAIN
KINETICS AND MECHANISM OF THE DEHYDROGENATION OF
ISO-PROPYL ALCOHOL ON CR 203, NOV 1958
BY GARCIA DE LA BANDA J. DDC NR. 209208
ORLANDINI G. E. CONTRACT NR. AF 61(514)-1330
PROJ/TASK NR. 9781-17610

AFOSR TR 59-39
TECHNION RSCH AND DEVEL FOUND HAIFA ISRAEL
RESEARCH ON CROSS-STRESSES IN THE FLOW OF LIQUIDS.
TECH. REPT. SUMMARIZING THE RES. FOR THE PER.
1OCT57 TO 30 SEP 58 IN LIEU OF FINAL REPORT
BY REINER M DDC NR. 209209
CONTRACT NR. AF 62(052)-10
PROJ/TASK NR. 9781-17712

AFOSR TR 59-39
STANFORD UNIV CALIF
MECHANICS APPLIED TO CREEP TESTING DEC 1958
WILLIAM M. MURRAY OF THE SOCIETY OF EXPERIMENTAL
STRESS ANALYSIS 11/19/58
BY HOFF N. J. DDC NR. 230618
CONTRACT NR. AF 49(638)-223
PROJ/TASK NR. 9782-17710

AFOSR TR 59-40
PUERTO RICO UNIV OF MAYAGUEZ
CHARACTERISTIC OF A PECULIAR BACK-SCATTER
ECHO OBSERVED AT A FREQUENCY OF 21.6 MC, P. S. 1958
BY BUERO B. DDC NR. 211178
CONTRACT NR. AF 49(638)-172
PROJ/TASK NR. 9768-17650

AFOSR TR 59-42
NEW YORK UNIV N Y
THE STABILITY OF INTERPERSONAL JUDGMENTS IN INDEPENDENT
SITUATIONS
J ABNORMAL & SOC PSYCH 60,#180-196,# 1960
BY BORGATTA E F DDC NR.
CONTRACT NR. AF 49(638)-195
PROJ/TASK NR. 9778-17707

AFOSR TR 59-43
OXFORD UNIV ENGLAND
RADIATION AND ENERGY LOSS OF AN ELECTRON IN AN
INFINITELY LONG WAVE-GUIDE FILLED WITH A LINEAR MEDIUM
OCT 1958
ANN PHYS 7 86-101 MAY 1959
BY MOTZ H. DDC NR. 209215
NAKAMURA M. CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9768-17650

AFOSR TR 59-44
STANFORD UNIV CALIF
TRIDENTS, U-PAIRS AND QUANTUM ELECTRODYNAMICS AT
SMALL DISTANCES
PHYS REV 116 1968-1975 JUN 1959
BY BJORKEN J. D. DDC NR. 209419
DRELL S. D. CONTRACT NR. AF 49(638)-188
SCHIFF, L I<P.I.> PROJ/TASK NR. 9760-17600

AFOSR TR 59-45
CALIFORNIA INST OF TECHNOLOGY PASADENA
SMALL ASPECT RATIO MEMBRANE FLUTTER,<REISSUED AFOSR(TR)59-45
AD209419> DEC 1958
BY STEARMAN R DDC NR. 209416
SECHLER E E <P.I.> CONTRACT NR. AF 49(638)-270
PROJ/TASK NR. 9782-17710

AFOSR TR 59-46
MARYLAND UNIV OF COLLEGE PARK
THE V-A FOUR-FERMION INTERACTION AND THE INTERMEDIATE
CHARGED VECTOR MESON
PHYS REV. LTRS. 2,#129-127,# FEB 1959 ST AMOTIFIED
BY OMNES R. DDC NR. 209417
PAIT J. CONTRACT NR. AF 49(638)-24
TOLL J S<P.I> PROJ/TASK NR. 9791-17917

AFOSR TR 59-48
PARIS UNIV OF FRANCE
E - DEUTERIUM SCATTERING - I
NUOVO CIM SER X 11 670
BY GOURDIN M DDC NR. 209419
MARTIN A CONTRACT NR. AF 61(052)-171
LEVY M PROJ/TASK NR. 9760-17600

AFOSR TR 59-49
PARIS UNIV OF FRANCE
ON THE CONNECTION BETWEEN THE S-MATRIX AND A CLASS OF
NON-LOCAL INTERACTIONS
BY CHADAN K DDC NR. 209420
LEVY M CONTRACT NR. AF 61(514)-1060
PROJ/TASK NR. 9760-17600

AFOSR TR 59-50
UTAH UNIV OF SALT LAKE CITY
MECHANISM OF CRATERING IN ULTRA-HIGH
VELOCITY IMPACT JAN 1959
BY COOK M A DDC NR. 209419
CONTRACT NR. AF 18(603)-100
PROJ/TASK NR. 9791-17911

AFOSR TR 59-51
CORNELL UNIV ITHACA, N Y
MEAN-FIRST-PASSAGE TIMES AND THE COLLISION THEORY
OF BIMOLECULAR REACTIONS
J CHEM PHYS 31,#1387-1394,# NOV 1959
BY WIDOM B. DDC NR. 231891
CONTRACT NR. AF 18(603)-111
PROJ/TASK NR. 9791-17911

AFOSR TR 59-52
STANFORD UNIV CALIF
NOTE ON UNIQUE DECIPHERABILITY JAN 1959
BY JAYNES E. T. DDC NR. 209423
STURROCK R A<PI> CONTRACT NR. AF 49(638)-362
PROJ/TASK NR. 9776-17669

AFOSR TR 59-53
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE STUDIES OF RADIATION DAMAGE
TO THE NUCLEIC ACIDS AND THEIR CONSTITUENTS DEC 59
RAS 45 269-281 FEB 1959
IN DUKE RADIOWAVE LAB DEPT 026
BY SHIELDS H DDC NR. 209424
GORDY W CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-17650

AFOSR TR 59-54
DUKE UNIV. DURHAM N C
ELECTRON SPIN RESONANCE STUDIES OF RADIATION DAMAGE TO
CERTAIN LIPIDS, HORMONES, AND VITAMINS
PROC NAS 45,#296-269,# FEB 1959
BY BEIROAD H N DDC NR. 209425
GORDY W CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-17650

AFOSR TR 59-55
MARYLAND UNIV OF COLLEGE PARK
AUXILIARY INTEGRALS FOR LATTICE SUMS DEC 1958
J CHEM PHYS 31,#1435-1436,# NOV 1959
BY ARABUDIN A. A. DDC NR. 209426
WEISS G H CONTRACT NR. AF 18(600)1315
MONTROLL E W<PI> PROJ/TASK NR. 9791-17911

AFOSR TR 59-56
ILLINOIS UNIV OF URBANA
THE KINETICS OF FORMATION OF A METASTABLE PHASE IN NON-EQUILLIBRIUM SOLID SOLUTONS OF GOLD AND NICKEL
MAR 1959
BY COST J DOC NR. 209627
WERT C CONTRACT NR. AF 18(600)-22
PROJ/TASK NR. 9760-57601

AFOSR TR 59-58
ILLINOIS UNIV OF URBANA
THEORY OF DISLOCATION CLIMB I FEB 1959
BY THOMSON R DOC NR. 209629
READ T A CONTRACT NR. AF 49(638)-420
PROJ/TASK NR. 9760-57601

AFOSR TR 59-59
ILLINOIS UNIV OF URBANA
THEORY OF DISLOCATION CLIMB II FEB 1959
BY THOMSON R DOC NR. 209630
READ T A CONTRACT NR. AF 49(638)-420
PROJ/TASK NR. 9760-57601

AFOSR TR 59-60
POLYTECHNIC INST OF BROOKLYN N Y
LIQUID PROPELLANT ROCKET MOTORS DEC 1958
BY TORDA T DOC NR. 209691
GURSTEIN S Z CONTRACT NR. AF 49(638)-169
AGOSTA V D PROJ/TASK NR. 9791-57910

AFOSR TR 59-61
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE USE OF POLARIZED NEUTRONS IN DETERMINING THE MAGNETIC SCATTERING BY IRON AND NICKEL NOV 1958
BY RAYMANS R DOC NR. 209926
SHULL C G CONTRACT NR. AF 18(603)-84
SMIRANI G PROJ/TASK NR. 7772-19791
ANDERSON A

AFOSR TR 59-62
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
CORRECTION OF EPOCH ERROR IN CIRCULAR ORBITS
PART 1. CORRECTION BY TRANGENTIAL TRANSFER
PT 2. CORRECTION BY NON-TANGENTIAL TRANSFER. APR 1959
BY BERMAN L.J. DOC NR. 209696
DANDORFF P E <P.I.> CONTRACT NR. AF 49(638)-361
PROJ/TASK NR. 9781-57726

AFOSR TR 59-63
CALIF INST OF TECHNOLOGY PASADENA
THE SPECTRUM OF THE IRREGULAR VARIABLE
ASTRON SOC OF THE PACIFIC PUBL 71.* 0422.* OCT 1958
BY WALLERSTEIN G. DOC NR. 236114
GREENSTEIN J L<PI> CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9776-57669

AFOSR TR 59-64
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF SE C12.2C5H5N6 DEC 1958
BY RAMBERGBAUER G DOC NR. 209688
LINDQVIST I CONTRACT NR. AF 61(052)-69
PROJ/TASK NR. 9760-57600

AFOSR TR 59-65
UNIVERSITY COLLEGE CORK IRELAND
CURVE FITTING AND INTEGRAL CURVES FOR NON-LINEAR DIFFERENTIAL EQUATIONS. A GENERALISED STEP-FUNCTION APPROACH. SEP 1958
BY GUIRLAN P M DOC NR. 209689
CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9783-57757

AFOSR TR 59-66
CHICAGO UNIV OF ILL
NEUBESTIMMUNG DER NATURLICHEN TRITIUMZERFALLSRATE AND DIE FRAGE DER HERKUNFT DES NATURLICHEN TRITIUM
BY GEGENWARD F DOC NR.
YUREVICH A CONTRACT NR. AF 18(600)-564
PROJ/TASK NR. 9750-57500

AFOSR TR 59-67
POLYTECHNIC INST OF BROOKLYN N Y
DISCONTINUITY SURFACES IN MAGNETO-FLUID-DYNAMICS DEC 1958
BY NAPOLITANO L G DOC NR. 209642
FERRI A<PI> CONTRACT NR. AF 49(638)-217
PROJ/TASK NR. 9781-57712

AFOSR TR 59-68
NORTH CAROLINA UNIV OF CHAPEL HILL
MULTI-DIMENSIONAL INCOMPLETE BLOCK DESIGNS NOV 1959
BY POTTHOFF R. F. DOC NR. 209643
BOSE R C CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-57698

AFOSR TR 59-69
NORTH CAROLINA UNIV OF CHAPEL HILL
A NOTE ON J. ROYS STEP-DOWN PROCEDURE IN
BY SHAPEAR V. P. DOC NR. 209644
BOSE R C CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-57698

AFOSR TR 59-70
NORTH CAROLINA UNIV OF CHAPEL HILL
SOME NONPARAMETRIC ANALOGUES OF NORMAL ANOVA MANOVA AND OF STUDIES IN NORMAL ASSOCIATION JAN 1959
BY ROY S. N. DOC NR. 209645
SHAPEAR V. P. CONTRACT NR. AF 49(638)-213
BOSE R C PROJ/TASK NR. 9769-57698

AFOSR TR 59-71
ILLINOIS UNIV OF URBANA
LEAST-SQUARES APPROXIMATION FOR BOTH MAGNITUDE AND PHASE BY RATIONAL FUNCTIONS FEB 1959
BY FU K. S. DOC NR. 209646
VAN VALKENBURG M ECP CONTRACT NR. AF 49(638)-69
PROJ/TASK NR. 9768-57690

AFOSR TR 59-72
ILLINOIS UNIV OF URBANA
A CORRELATION BETWEEN CLASSICAL AND POLE-ZERO SENSITIVITY FEB 1959
BY NIELSEN J J DOC NR. 209647
VAN VALKENBURG M ECP CONTRACT NR. AF 49(638)-69
PROJ/TASK NR. 9768-57690

AFOSR TR 59-73
ILLINOIS UNIV OF URBANA
CONTRIBUTIONS TO TRANSISTOR-RC NETWORK SYNTHESIS FEB 1959
BY MYERS B R DOC NR. 209648
VAN VALKENBURG M ECP CONTRACT NR. AF 49(638)-69
PROJ/TASK NR. 9768-57690

AFOSR TR 59-74
NEW YORK UNIV. N Y
A FORMAL SOLUTION OF THE EQUATIONS OF STATISTICAL EQUILIBRIUM OCT 1958
2.020-24.* JA PF 59
BY ZUMINO B DOC NR. 209649
ERAICHNAN R H CONTRACT NR. AF 49(638)-341
ELIRE MCPI> PROJ/TASK NR. 9768-57690

AFOSR TR 59-75
MICHIGAN STATE UNIV EAST LANSING
THE BETA DECAY OF K40
RUC. PHYS. 11.0692-698.01959
BY KELLY W. H. DOC NR. 209917
BEARD G. B. CONTRACT NR. AF 49(638)-10
PETERS B. A. PROJ/TASK NR. 9750-57500

AFOSR TR 59-76
BRIGHAM YOUNG UNIV PROVO UTAH
RHENIUM TRIOXIDE RHENIUM HEPTOXIDE AND RHENIUM TRICHLORIDE AND HYDROGENATION CATALYSTS AUG 1958
BY BROADBENT H S DOC NR. 210136
BARTLEY W J CONTRACT NR. AF 18(600)-1164
PROJ/TASK NR. 7772-19790

AFOSR TR 59-77
MINNESOTA UNIV OF MINNEAPOLIS
ON THE STABILITY OF VISCOUS FLUID MOTIONS
ARCH RAT MECH AND ANALIS.01-19.* 1959
BY SERRIN J B DOC NR. 210137
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-57698

AFOSR TR 59-78
MINNESOTA UNIV OF MINNEAPOLIS
A NOTE ON THE EXISTENCE OF PERIODIC SOLUTIONS OF THE NAVIER-STOKES EQUATIONS
ARCH RAT MECH AND ANAL 5120-122 1959
BY SERRIN J B DOC NR. 210138
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-57698

AFOSR TR 59-79
POLYTECHNIC INST OF BROOKLYN N Y
SOME NUMERICAL METHODS OF SOLUTIONS OF NON-LINEAR PARTIAL DIFFERENTIAL EQUATIONS ARISING IN THE ANALYSIS OF SUBSONIC FLOW SYSTEMS WITH MASS AND HEAT ADDITION DEC 1958
BY BEARDSLEY W A DOC NR. 210139
BERGER M CONTRACT NR. AF 49(638)-169
AGOSTA V D PROJ/TASK NR. 9791-57910
TORDA T P

AFOSR TR 59-80
POLYTECHNIC INST OF BROOKLYN N Y
AEROTHERMOCHEMISTRY OF JET PROPULSION PROPELLANT ROCKET MOTORS
BY TORDA T. DOC NR. 210140
AGOSTA V D CONTRACT NR. AF 49(638)-169
PROJ/TASK NR. 9791-57910

AFOSR TR 59-81
VIRGINIA UNIV OF CHARLSTTESVILLE
ON THE CONSTRUCTION OF PERIODIC MAPS WITHOUT FIXED POINTS OCT 1958
BY CORNER P. F. DOC NR. 210141
FLOYD E. E. CONTRACT NR. AF 49(638)-72
WHYBURN G T PROJ/TASK NR. 9769-57698

AFOSR TR 59-82
WESTERN RESERVE UNIV. CLEVELAND.
THE STORAGE AND RETRIEVAL OF NONNUMERICAL DATA IN LARGE AND COMPLEX DOCUMENTATION SYSTEMS
BY KENT A DOC NR. 210142
PERRY J. W. CONTRACT NR. AF 49(638)-347
GOFFMAN W <P.I.> PROJ/TASK NR. 9769-57699

AFOSR TR 59-86
HEBREW UNIV JERUSALEM ISRAEL
DETERMINATION OF RELATIVE ABUNDANCE RATIO OF MAGNETIC MOMENTS RATIO OF CAPTURE CROSS-SECTIONS OF GADOLINIUM ISOTOPES BY MEANS OF PARAMAGNETIC RESONANCE SPECTRUM NOV 1958
BY LOU M DOC NR. 210144
SHALTIEL D CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9761-57611

AFOSR TR 59-89
IST ELETTROTECNICO NAZIONALE TORINO ITALY
MAGNETIC VISCOSITY DUE TO INTERSTITIAL ATOMS ANCHORED IN DISLOCATIONS. MAGNETIC VOSCOSITY DUE TO MOTION OF DISLOCATIONS. OCT 1958
BY BIORCI G DOC NR. 210145
FERRO A CONTRACT NR. AF 61(514)-1331
MORTALENTI. G. PROJ/TASK NR. 9760-57601
BOMPIGLIOLI. G

AFOSR TR 59-86
IST ELETTROTECNICO NAZIONALE TORINO ITALY
EXPERIMENTS ON THE SURFACE ELECTRICAL CONDUCTION IN METALS NOV 1958
BY BOMPIGLIOLI G DOC NR. 210146
RALVARO B CONTRACT NR. AF 61(514)-1339
PROJ/TASK NR. 9760-57601

AFOSR TN 59-87
NEW YORK UNIV N Y
EXPLORATORY RESEARCH ON THE THEORETICAL CONSIDERATION OF WASTE WATER CYCLES IN A CLOSED ECOLOGICAL SYSTEM DEC 1958
AT AMER. ASSN FOR ADVANCE OF SCIENCE
THE CLOSED ECOLOGICAL SYSTEM WASHINGTON D C 31 DEC 58
BY INGRAM M T — DDC NR. 210087
NEWMAN R — CONTRACT NR. AF 18(603)-71
PALEVSKY G — PROJ/TASK NR. 9772-57701
SLOTE L

AFOSR TN 59-88
NORTH CAROLINA UNIV OF CHAPEL HILL
A NOTE ON CONFIDENCE BOUNDS CONNECTED WITH ANOVA AND MANOVA FOR BALANCED AND PARTIALLY BALANCED INCOMPLETE BLOCK DESIGNS JAN 1959
BY SHAPIRO V. P. — DDC NR. 210088
BOSE R C — CONTRACT NR. AF 49(638)-219
PROJ/TASK NR. 9760-57650

AFOSR TN 59-89
HARVARD UNIV. CAMBRIDGE MASS
PROOF THAT ANY RATIONAL CLASS OF NON-SINGULAR SURFACES SATISFIES THE DESCENDING CHAIN CONDITION
KYOTO. COLLEGE OF SCIENCE MEMOIRS SER. A,0 V 32. MATHEMATICS NO 1,0 21-31,0 1959
BY ZARISKI O. — DDC NR. 230186
CONTRACT NR. AF 18(600)-1509
PROJ/TASK NR. 6750-67500

AFOSR TN 59-90
TEXAS UNIV OF
ANNIHILATION OF POSITRONS IN ORGANIC LIQUIDS
J CHEM PHYS 32 28-31 JAN 1960
BY HATCHER C B — DDC NR. 259991
FALCONER T W — CONTRACT NR. AF 33(038)-20681
MILLETT W E — PROJ/TASK NR. 9791-57917
MUDSPETH F

AFOSR TN 59-91
WASHINGTON UNIV ST LOUIS MO
A SPHERICAL WAVE EXPANSION FOR DOUBLE B ETA DECAY
CAN J PHYS 37 780-789 1959
BY ROSEN S P — DDC NR. 229980
CONDON, E U(P,I,) — CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9791-57917

AFOSR TN 59-92
CORNELL UNIV ITHACA, N Y
THE RESPONSE OF THE LAMINAR BOUNDARY LAYER TO IMPULSIVE MOTIONS FEB 1959
BY ROSENSWEIG M.L. — DDC NR. 210182
SEARS W R (P,I,) — CONTRACT NR. AF 18(600)-1423
PROJ/TASK NR. 9781-57712

AFOSR TN 59-93
CHICAGO UNIV ILL
ON THE DYNAMICAL THEORY OF DIFFUSION IN CRYSTALS
PRESSURE DEPENDENCE OF THE SELF DIFFUSION CONSTANT MAR 1959
BY RICE S A — DDC NR. 210183
NACHTRIEB N H — CONTRACT NR. AF 18(600)-1689
PROJ/TASK NR. 9761-57610

AFOSR TN 59-94
MARYLAND UNIV OF COLLEGE PARK
VARIATIONAL APPROACH TO THE MANY-BODY PROBLEM USING DENSITY MATRICES(II) DEC 1958
BY AYRES R U — DDC NR. 210184
MEYERS R D — CONTRACT NR. AF 49(638)-939
TERRELL R A — PROJ/TASK NR. 9761-57631

AFOSR TN 59-101
BRANDEIS UNIV. WALTHAM, MASS
ANALYTICAL METHODS IN THE THEORY OF ELECTRON LATTICE INTERACTIONS I NOV 1958
ANN R PHYS 8,0 78-99,0 SEP 1959
BY GROSS E P — DDC NR. 221897
CONTRACT NR. AF 49(638)-27
PROJ/TASK NR. 9791-57911

AFOSR TN 59-102
BRANDEIS UNIV. WALTHAM, MASS
DYNAMICS OF ELECTRON BEAMS AND PLASMAS
SYMP ELECTRONIC WAVE GUIDES RPI 1958 P 69-81
BY GROSS E P — DDC NR. 259127
CONTRACT NR. AF 49(638)-27
PROJ/TASK NR. 9791-57911

AFOSR TN 59-103
CALIFORNIA UNIV OF LOS ANGELES
THE CRYSTAL STRUCTURE OF AMMONIUM CHLORITE AT - 95 C
DEC 1958
BY GILLESPIE R B — DDC NR. 210185
TRUEBLOOD K N — CONTRACT NR. AF 18(600)-047
PROJ/TASK NR. 9760-57600

AFOSR TN 59-104
CALIFORNIA UNIV OF LOS ANGELES
REFINEMENT OF THE CRYSTAL STRUCTURES OF SODIUM CHLORATE AND POTASSIUM CHLORATE JAN 1959
BY DOUGH J G — DDC NR. 210186
SPARKS R A — CONTRACT NR. AF 18(600)-047
TRUEBLOOD K N — PROJ/TASK NR. 9760-57600

AFOSR TN 59-106
CALIFORNIA UNIV OF BERKELEY
STEADY STATE TRANSMISSION THROUGH A NETWORK CONTAINING A SINGLE TIME VARYING ELEMENT DEC 1958
IRE TRANS ON CIRCUIT THEORY CT-6,0 264-292,0 SEP 1959
BY DESOER C. A. — DDC NR. 210188
JURY, E. I. (P,I,) — CONTRACT NR. AF 18(600)-1021
PROJ/TASK NR. 9760-57650

AFOSR TN 59-107
CORNELL AERONAUTICAL LABORATORY INC BUFFALO N Y
AERODYNAMICS OF A WAVE SUPERMATER FACILITY FOR HYPERSONIC RESEARCH AND DEVELOPMENT FEB 1959
BY WEATHERSTON I I — DDC NR. 210221
SMITH W E — CONTRACT NR. AF 18(603)-161
DUGGO A J — PROJ/TASK NR. 9780-57720
HARRIDGE P U

AFOSR TN 59-108
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO, N Y
ENGINEERING DESIGN OF A WAVE SUPERMATER FACILITY FOR HYPERSONIC RESEARCH AND DEVELOPMENT FEB 1959
BY CARPENTER J. — DDC NR. 210224
MOORE F K (P,I,) — CONTRACT NR. AF 18(603)-161
PROJ/TASK NR. 9781-57717

AFOSR TN 59-109
MICHIGAN UNIV OF ANN ARBOR
ON ASYMMETRIC VIBRATIONS OF THIN SHALLOW VISCOELASTIC SPHERICAL SHELLS JAN 1959
BY NAGHDI P. M. — DDC NR. 210389
ORTWEIN W. C. — CONTRACT NR. AF 18(603)-67
PROJ/TASK NR. 9782-57717

AFOSR TN 59-110
ZATOR CO. CAMBRIDGE, MASS.
A NEW METHOD FOR DISCOVERING THE GRAMMARS OF PHRASE STRUCTURE LANGUAGES. APR 1959
BY SOLOMONOFF R. J. — DDC NR. 210390
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9760-57650

AFOSR TN 59-111
PISA UNIV OF ITALY
THE AERODYNAMICS OF AIRFOILS IN NON-UNIFORM STREAMS OF INCOMPRESSIBLE FLOW. JAN 1959
BY PISTOLESI E — DDC NR. 210391
MARINI M — CONTRACT NR. AF 61(514)-1041
PROJ/TASK NR. 9781-57712

AFOSR TN 59-112
PISA UNIV OF ITALY
THE AERODYNAMICS OF AIRFOILS IN NON-UNIFORM STREAMS SUBSONIC AND SUPERSONIC STREAMS
BY PISTOLESI E — DDC NR. 210392
MARINI M — CONTRACT NR. AF 61(514)-1041
PROJ/TASK NR. 9781-57712

AFOSR TN 59-113
PISA UNIV OF ITALY
THE AERODYNAMICS OF AIRFOILS IN NON-UNIFORM SUPERSONIC STREAMS JAN 1959
BY PISTOLESI E — DDC NR. 210393
MARINI M — CONTRACT NR. AF 61(514)-1041
PROJ/TASK NR. 9781-57712

AFOSR TN 59-114
JOHNS HOPKINS UNIV BALTIMORE, MD
ON OSCILLATORS WITH LARGE FREQUENCIES, ON THE RATIO ON FUNCTIONS REPRESENTABLE AS A DIFFERENCE OF CONVEX FUNCTIONS FEB 1959
BY HARTMAN P — DDC NR. 210394
CONTRACT NR. AF 18(603)-61
PROJ/TASK NR. 9782-57722

AFOSR TN 59-115
POLYTECHNIC INST. OF BROOKLYN, N Y
GENERAL ELECTRONIC WAVEGUIDES OCT 1958
BY MARCUVITZ N — DDC NR. 210400
CONTRACT NR. AF 49(638)-360
PROJ/TASK NR. 9760-57650

AFOSR TN 59-116
UPPSALA UNIV OF SWEDEN
ADDITION COMPOUNDS OF ANTIMONY CHLORIDES WITH SULFONIDES AND SULFONES OCT 1958
BY LINDQVIST I — DDC NR. 210421
CONTRACT NR. AF 61(052)-63
PROJ/TASK NR. 9760-57600

AFOSR TN 59-117
PISA UNIV OF ITALY
EFFECT OF UNILATERAL CHRONIC LESIONS OF THE MIDBRAIN ON THE ELECTROCORTICAL ACTIVITY OF THE CAT
ARCH ITAL DE BIOL 96 FASC 1 376-399 1958
BY CORDEAU J P — DDC NR. 210422
MARCIA M — CONTRACT NR. AF 61(514)-1129
MORUZZI G — PROJ/TASK NR. 9777-57700

AFOSR TN 59-118
UNIVERSITY COLLEGE CORK IRELAND
VIBRATION OF BEAMS - A RECURRENCE APPROACH SEP 1958
BY QUINLAN P M — DDC NR. 210423
CONTRACT NR. AF 61(514)-1169
PROJ/TASK NR. 9783-57717

AFOSR TN 59-119
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
ON THE BEHAVIOR OF THE HUMAN EYE OVER A WIDE RANGE OF LUMINANCES OCT 58
ATTI DELLA FONDAZIONE GIORGIO RONCHI XIII 469-481,0 SEP OCT 1958
BY RONCHI L — DDC NR. 210424
TORALDO DI FRANCIA G — CONTRACT NR. AF 61(052)-17
PROJ/TASK NR. 9777-57700

AFOSR TN 59-120
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
MAY PSYCHOLOGICAL FACTORS INFLUENCE THE ELECTRORETINOGRAPHIC RESPONSE OCT 58
ATTI DELLA FONDAZIONE GIORGIO RONCHI XIII 617-618 SEP-OCT 58
BY BITTINI M — DDC NR. 210425
RONCHI L — CONTRACT NR. AF 61(052)-17
TORALDO DI FRANCIA G — PROJ/TASK NR. 9777-57700

AFOSR TN 59-121
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
ON THE FUSION CONDITIONS OF A COLORED FLICKERING FIELD
ATTI DELLA FONDAZIONE GIORGIO RONCHI XIII 642-648 SEP-OCT 58
BY BITTINI M — DDC NR. 210426
TORALDO DI FRANCIA G — CONTRACT NR. AF 61(052)-17
PROJ/TASK NR. 9777-57700

AFOSR TR 59-122
LOUVAIN UNIV DE BELGIUM
THE EXPERIMENTAL APPROACH TO PAIR
J APP PHYS 13 669-696 NOV 1958
BY MCKEEHAN A F DDC NR. 210627
COLLE, J CONTRACT NR. AF 61(514)-1101
PROJ/TASK NR. 9777-97700

AFOSR TR 59-123
MILAN UNIV OF ITALY
STUDY OF IRIDIUM COMPOUNDS OCT 1958
BY MALATESTA L DDC NR. 210628
CONTRACT NR. AF 61(052)-89
PROJ/TASK NR. 9762-97620

AFOSR TR 59-124
CONSERVATOIRE NAT DES ARTS - ET-METIERS PARIS FRANCE
INTERNAL DOUBLE REFLECTION IN A PERFECT CRYSTAL NOV 1958
BY CUINIER A DDC NR. 210629
GUYON E CONTRACT NR. AF 61(052)-51
PROJ/TASK NR. 9783-97631

AFOSR TR 59-125
ROCHESTER UNIV OF N Y
THE PHOTOLYSIS OF AMMONIA IN THE PRESENCE OF NITRIC OXIDE
(MISPRINTED AFOSR TR-59-126)
J PHYS CHEM 63 869-869 JUN 1959
BY SEREWICZ A DDC NR. 210630
NOYES JR W A CONTRACT NR. AF 18(600)-1528
PROJ/TASK NR. 9760-97600

AFOSR TR 59-126
WAYNE STATE UNIV, DETROIT, MICH
RELATION BETWEEN ABSTRACT HOMOTOPY AND GEOMETRIC HOMOTOPY
MAR 1959
BY VERMA, S. DDC NR. 210616
SZE-TSEN HU(P.I.) CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-97650

AFOSR TR 59-127
POLYTECHNIC INST OF BROOKLYN NY
ON THE DIFFRACTION OF AN ARBITRARY PULSE BY A WEDGE OR A
CONE
Q APPL MATH 18 89-92 APR 1960
BY TING, L. DDC NR. 210619
FERRI, A.(P.I.) CONTRACT NR. AF 49(638)-669
FERRI A(PI) PROJ/TASK NR. 9781-97712

AFOSR TR 59-128
CALIFORNIA UNIV OF, BERKELEY,
BOUNDS FOR TH FIRST EIGENVALUE OF A RHOMBIC MEMBRANE
APR 1959
J MATH AND PHY 19 18-36 APR 1960
BY MOORER W, DDC NR. 210616
PROTTER M, H, CONTRACT NR. AF 49(638)-398
PROJ/TASK NR. 9789-97727

AFOSR TR 59-129
ROCKETDYNE CANOGA PARK, CALIF
THE MOTION AND SHATTERING OF BURNING AND NON-BURNING
PROPELLANT DROPLETS MAR 1959
BY BABIN, E. DDC NR. 210768
LAMHEAD, R. B. CONTRACT NR. AF 18(603)-98
PROJ/TASK NR. 9751-17510

AFOSR TR 59-130
MICHIGAN UNIV OF, ANN ARBOR
APPLICATIONS OF THE THEORY OF MORSE TO SYMMETRIC SPACES
MAR 59
AMER J MATH 80 964-1029 OCT 1958
BY BOTT, R. DDC NR. 210769
SAMELSON, H. CONTRACT NR. AF 49(638)-104
WILDER, R. L.(P.I.) PROJ/TASK NR. 9789-97727

AFOSR TR 59-131
ILLINOIS UNIV OF URBANA
EFFECT OF ION BOMBARDMENT ON SEMICONDUCTOR SURFACES MAR 1959
BY ARNOLD S M DDC NR. 210839
BARDEEN J CONTRACT NR. AF 49(638)-617
PROJ/TASK NR. 9769-97691

AFOSR TR 59-132
ILLINOIS UNIV OF URBANA
THE CONDUCTANCE OF A CLEANED GERMANIUMSURFACE MAR 0959
BY PORTNOY W M DDC NR. 210840
HANDLER P CONTRACT NR. AF 49(638)-617
BARDEEN J PROJ/TASK NR. 9769-97691

AFOSR TR 59-133
FRANKLIN INST PHILADELPHIA PA
ETCH PATTERNS IN ZINC
J FRANKLIN INST 267 503-515 APR 1959
BY DAMIANO V V DDC NR. 210861
HERMAN M CONTRACT NR. AF 18(600)-1981
SMITH R L PROJ/TASK NR. 9762-97621

AFOSR TR 59-134
MIDWEST RSCH INST KANSAS CITY, MO.
EXPANSION OF THE CONFLUENT HYPERGEOMETRIC FUNCTION IN
SERIES OF BESSEL FUNCTIONS APR 1959
BY LUKE, Y. L. DDC NR. 210862
CONTRACT NR. AF 49(638)-66
PROJ/TASK NR. 9769-97650

AFOSR TR 59-135
OKLAHOMA STATE UNIV STILLWATER
RECTIFICATION AND PHOTOEFFECTS IN SEMICONDUCTING
DIAMONDS, AUG, 58.
BY BELL W D DDC NR. 211036
LEIVO, W J(P.I.) CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TR 59-136
OKLAHOMA STATE UNIV STILLWATER
MEASUREMENT OF CARRIER LIFETIMES IN SEMICONDUCTING
DIAMOND, AUG 1958
BY WAYLAND JR J H DDC NR. 211035
LEIVO W J CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TR 59-137
OKLAHOMA STATE UNIV STILLWATER
DETERMINATION OF ENERGY LEVELS IN SEMICONDUCTING
DIAMOND BY OPTICAL TRANSMISSION METHODS, 1957
BY STEIN H J DDC NR. 211036
LEIVO W J CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TR 59-138
OKLAHOMA STATE UNIV STILLWATER
THE HALL EFFECT IN SEMICONDUCTING DIAMOND AUG 1958
BY YOUNG T DDC NR. 211037
LEIVO W J CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TR 59-139
OKLAHOMA STATE UNIV STILLWATER
PHOTOCONDUCTIVITY IN SEMICONDUCTING DIAMONDS 1958
BY JOHNSON C C DDC NR. 211038
LEIVO W J CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TR 59-140
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
STATISTICAL MECHANICS OF RIGID SPHERES
J CHEM PHYS 31 369-380 AUG 1959
BY LEBOWITZ, J. L. DDC NR. 210864
REISS, H. CONTRACT NR. AF 49(638)-352
PRISCH, H. L. PROJ/TASK NR. 9761-97611
FALKNS JR(P.I.)

AFOSR TR 59-141
GEORGETOWN UNIV WASH D C
CHANGES IN PALMYRA ATOLL AND ITS VEGETATION THROUGH THE
ACTIVITIES OF MAN
PACIFIC NATURALIST U FEB 1959
BY DAWSON E Y DDC NR. 221001
ZIMMER M CONTRACT NR. AF 49(638)-187
PROJ/TASK NR. 9778-97706

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DUKE UNIV DURHAM NO CAR
THE MEASUREMENT OF HUMAN ADAPTATION TO STRESSFUL
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GEN SYST J 291-301 1959 ARS SEP 19-18, 1958, N.Y.
BY COHEN S I DDC NR. 266181
SILVERMAN A J CONTRACT NR. AF 49(638)-396
SHMAVONIAN B M PROJ/TASK NR. 9778-97706

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HALLUCINATIONS IN SENSORY DEPRIVATION
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27, 1958, WASH D, C.
BY SILVERMAN A J DDC NR. 221002
COHEN S I CONTRACT NR. AF 49(638)-396
BRESSLER B PROJ/TASK NR. 9778-97706
SHMAVONIAN B M

AFOSR TR 59-144
DUKE UNIV DURHAM NO CAR
PRACTICAL AND THEORETIC DIFFICULTIES IN ISOLATION STUDIES
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U., JUN 1956, BOSTON, MASS.
BY COHEN S I DDC NR. 259126
SILVERMAN A J CONTRACT NR. AF 49(638)-396
BRESSLER B PROJ/TASK NR. 9778-97706
SHMAVONIAN B

AFOSR TR 59-145
DUKE UNIV DURHAM NO CAR
SELECTION TECHNIQUES FOR SPACE CREWS
AMER J PSYCH 115 1110-1112 JUN 1959
REQ.RES.MTG./AMER.PSYCH.ASSTN.DEC.1-3.1958(MIAMI, FLO.
BY SILVERMAN A J DDC NR. 259128
COHEN S I CONTRACT NR. AF 49(638)-396
SHMAVONIAN B PROJ/TASK NR. 9778-977 6

AFOSR TR 59-146
WASHINGTON UNIV OF SEATTLE
STUDIES IN MOLECULAR SPECTROSCOPY MAR 1960
BY FOWLER JR D F DDC NR. 236127
EMERSON W T CONTRACT NR. AF 18(600)-1522
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BY MILLER S I DDC NR. 210901
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AFOSR TR 59-148
CORNELL UNIV ITHACA N Y
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BY BAUER S H DDC NR. 266285
DIMER R M CONTRACT NR. AF 18(603)-1
PORTER, R F PROJ/TASK NR. 9769-97690

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VIRGINIA UNIV OF CHARLOTTESVILLE
HIGH TEMPERATURE ANTIOXIDANTS FOR SYNTHETIC FLUIDS JAN 1959
BY COLE JR J W DDC NR. 210903
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PROJ/TASK NR. 9761-97610

AFOSR TR 59-150
PRINCETON UNIV N J
SETERMINATION OF DIFFUSION COEFFICIENTS IN SOLIDS BY THE
RESIDUAL ACTIVITY METHOD FEB 1959
BY CONDIT R H DDC NR. 210906
BIRCHENAU C E CONTRACT NR. AF 18(600)-967
PROJ/TASK NR. 9761-97611

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CORNELL UNIV ITHACA N Y
A STUDY OF REFLECTED XENON IONS FROM PLATINUM MAR 1959
BY REES D S — DDC NO. 210969
BRADLEY — CONTRACT NO. AF 18(600)-674
SIEGEL B M — PROJ/TASK NO. 9761-37611

AFOSR TN 59-152
CATHOLIC UNIV OF AMERICA WASH DC
LINEARITY AND MINIMUM ENTROPY PRODUCTION
BY MEIJER, P. H. E. — DDC NO. 262976
CONTRACT NO. AF 49(638)-492
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MARYLAND UNIV OF COLLEGE PARK
INTEGRAL EQUATION FOR PRODUCTION PROCESSES JAN 1959
BY SUCHER, J. — DDC NO. 211113
DAY, T. B. — CONTRACT NO. AF 49(638)-24
TOLL J S(PI) — PROJ/TASK NO. 9761-37612

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UPPSALA UNIV OF SWEDEN
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BY LINDQVIST I — DDC NO. 211114
BRANDEN C I — CONTRACT NO. AF 61(052)-49
PROJ/TASK NO. 9760-37660

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MARYLAND UNIV OF COLLEGE PARK
PROPERTIES OF THE UPPER ATMOSPHERE DEDUCED FROM THE RADIATION BELT JUL 1959
BY SINGER, S. F. — DDC NO. 211117
CONTRACT NO. AF 49(638)-930
PROJ/TASK NO. 9776-37665

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MARYLAND UNIV OF COLLEGE PARK
THE TRANSMISSION OF ELECTROMAGNETIC WAVES IN THE PRESENCE OF A CONDUCTING LAYER OF GAS FEB 1959
BY LUDFORD, G. S. S. — DDC NO. 211118
CONTRACT NO. AF 49(638)-194
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AFOSR TN 59-160
WASHINGTON UNIV ST LOUIS MO
FREE INDUCTION DECAYS OF ROTATING SOLIDS
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BY LOWE I J — DDC NO. 211119
CORDON, E U(P.I.) — CONTRACT NO. AF 18(603)-108
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AFOSR TN 59-161
WASHINGTON UNIV ST LOUIS MO
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BY ROSEN S P — DDC NO. 247297
CORDON, E U(P.I.) — CONTRACT NO. AF 18(603)-108
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AFOSR TN 59-162
NEW YORK UNIV, NY
EFFECT OF THE GASEOUS IMPURITIES IN BF3 PROPORTIONAL COUNTERS, DEC 1958
REV SCI INST 31 532-536 MAY 1960
BY DAVILA-4PONTE, J. — DDC NO. 211161
KORFF, S. A.(P.I.) — CONTRACT NO. AF 18(600)-1559
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AFOSR TN 59-163
MARYLAND UNIV OF COLLEGE PARK
GEOPHYSICAL EFFECTS OF SOLAR CORPUSCULAR RADIATION
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BY SINGER, S. F. — DDC NO.
CONTRACT NO. AF 18(600)-1038
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AFOSR TN 59-164
MARYLAND UNIV OF COLLEGE PARK
FEB 1959 FARADAY ROTATION OF RADIO WAVES WITHIN THE CRAB NEBULA
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BY LASTER, H. — DDC NO. 211163
LERCHER, A. — CONTRACT NO. AF 49(638)-930
SINGER, S. F. <P.I.> — PROJ/TASK NO. 9776-37665

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MARYLAND UNIV OF COLLEGE PARK
JAN 1959 RADIOWAVE PROPAGATION IN INTERPLANETARY MAGNETIC FIELDS
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BY LERCHER, A. H. — DDC NO. 211164
CONTRACT NO. AF 49(638)-930
SINGER, S. F.<P.I.> — PROJ/TASK NO. 9776-37665

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THEORY OF THE COSMIC-RAY RADIATION BELT, ALTITUDE, LATITUD AND ENERGY DISTRIBUTION
BULL. AM. PHYS. SOC., 4, 7 1959
BY SINGER, S. F. — DDC NO.
GAIEN, M. — CONTRACT NO. AF 49(638)-930
WENTWORTH, M. C. — PROJ/TASK NO. 9776-37665

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BULL. AM. PHYS. SOC., 4, 7 1959
BY WENTWORTH, R. C. — DDC NO. 211166
MACDONALD, W. M. — CONTRACT NO. AF 49(638)-930
SINGER, S. F. <P.I. — PROJ/TASK NO. 9776-37665

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MARYLAND UNIV OF COLLEGE PARK
SUMMARY OF RESULTS OF RESEARCH OF RAPID COSMIC RAY VARIATIONS AND SOLAR EFFECTS STUDY
BY SINGER, S. F. — DDC NO. 211167
CONTRACT NO. AF 18(600)-1038
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TRANSIRING CENTER EXPERIMENTAL AERODYNAMICS BRUSSELS BELGIUM
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BY GINOUX J — DDC NO. 211168
CONTRACT NO. AF 61(514)-999
PROJ/TASK NO. 9781-37712

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NORTH CAROLINA UNIV OF CHAPEL HILL
SELECTIVE POTENTIOMETRIC TITRATION OF METAL IONS WITH TRIETHYLENETETRAMINE FEB 1959
TALANTA 1 127-137 JUL 1958 IV CONG. INTERNAT UNION OF PROC & APPLIED CHEM. LISBON 1956
BY REILLEY, C. N. — DDC NO. 211040
SHELDON, M. V. — CONTRACT NO. AF 18(600)-1160
PROJ/TASK NO. 9765-37630

AFOSR TN 59-171
NORTH CAROLINA UNIV OF CHAPEL HILL
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ANAL CHEM 31 243-248 1959
BY REILLEY, C. N. — DDC NO. 211106
VAVOULIS, A. — CONTRACT NO. AF 18(600)-1160
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AFOSR TN 59-172
NORTH CAROLINA UNIV OF CHAPEL HILL
NEW CHELONS BASED ON PYRIDINE FEB 1959
BY PRIEST D C — DDC NO. 211112
SADEK F S — CONTRACT NO. AF 18(600)-1160
REILLEY B C N — PROJ/TASK NO. 9765-37630

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ATLANTIC RSCH CORP ALEXANDRIA VA
THE MECHANISM OF DEFLAGRATION OF PURE AMMONIUM PERCHLORATE FEB 1959
BY FRIEDMAN, R. — DDC NO. 211913
LEVY, J. B. — CONTRACT NO. AF 18(600)-1502
RUMBEL, K. E. — PROJ/TASK NO. 9750-37501

AFOSR TN 59-174
POLYTECHNIC INST OF BROOKLYN NY
STRESS DISTRIBUTIONS IN BEAMS OF THIN-WALLED SECTIONS IN THE PRESENCE OF CREEP FEB 1959
BY PATEL, S. A. — DDC NO. 314
PANDALAI, K. A. V. — CONTRACT NO. AF 49(638)-302
KEMPNER, J.<P.I.> — PROJ/TASK NO. 9782-37715

AFOSR TN 59-175
UNIV OF, BOULDER
TWIN CONVERGENCE REGIONS FOR CONTINUED FRACTIONS 1K<CAN/U> ONE OF WHICH IS THE CIRCULAR REGION 1AZR-1 P2 1959
BY THRON W. J. — DDC NO. 211814
CONTRACT NO. AF 49(638)-100
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AFOSR TN 59-176
PURDUE UNIV, LAFAYETTE, IND
ASPACE OF MULTIPLIERS OF TYPE LP<-00,00> CHANGE OF THE MAR 59-TELECON 5000
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BY KRABBE, G. L. — DDC NO. 232657
CONTRACT NO. AF 49(638)-909
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AFOSR TN 59-177
IOWA STATE UNIV, AMES, IOWA
SIZE AND POWER OF TESTS UNING SOME OPTIMAL WELCH-TYPE STATISTICS 1959
BY MCCULLOUGH, R. S. — DDC NO. 211917
GURLAND, J. — CONTRACT NO. AF 49(638)-69
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AFOSR TN 59-178
IOWA STATE UNIV, AMES, IOWA
ON THE ABSOLUTE DIFFERENCE AND ABSOLUTE DEVIATION OF DISCRETE DISTRIBUTIONS 1959
BY KATI, S. K. — DDC NO. 211918
GURLAND, J. <P.I.> — CONTRACT NO. AF 49(638)-69
PROJ/TASK NO. 9769-37727

AFOSR TN 59-179
CARNEGIE INST OF TECHNOLOGY PITTSBURGH, PA
ON A CLASS OF NON-LINEAR SECOND-ORDER DIFFERENTIAL EQUATIONS APR 1959
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BY NEHARI Z — DDC NO. 211919
CONTRACT NO. AF 49(638)-227
PROJ/TASK NO. 9769-37727

AFOSR TN 59-180
CHICAGO UNIV OF, CHICAGO, ILL
FINITE GROUPS WITH FIXED-POINT-FREE AUTOMORPHISMS OF PRIME ORDER <FEB 1959>
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BY THOMPSON J — DDC NO. 211920
MACLANE S <P.I.> — CONTRACT NO. AF 18(600)-1383
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AFOSR TN 59-181
OHIO STATE UNIV, COLUMBUS
INPUT DISTORTION AND OBSERVER OVERLAP ON DECISION-MAKING MGMT SCI 6 125-131 OCT 1959
BY KIBB, J. S. — DDC NO. 264481
BOYES, P. — CONTRACT NO. AF 49(638)-236
PITTS, P. H.<P.I.> — PROJ/TASK NO. 9778-37706

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SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
A NOTE ON THE THERMAL CONDUCTIVITY OF SOLID NITROGEN AND THE DIRECT CONDENSATION OF NITROGEN GAS INTO A SOLID JAN 59
BY KARAMCHETI, K. — DDC NO. 211929
CHUAN, R. L.<P.I.> — CONTRACT NO. AF 18(603)-9[illegible]
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AFOSR TN 59-122
LOUVAIN UNIV DE BELGIUM
THE EXPERIMENTAL APPROACH TO PAIR
J APP PHYS 19 649-656 NOV 1958
BY ACKERMA A E — DDC NR. 210627
COLLE, J — CONTRACT NR. AF 61(514)-1101
PROJ/TASK NR. 9777-37700

AFOSR TN 59-123
MILAN UNIV OF ITALY
STUDY OF IRIDIUM COMPOUNDS OCT 1958
BY MALATESTA L — DDC NR. 210628
CONTRACT NR. AF 61(052)-83
PROJ/TASK NR. 9762-37620

AFOSR TN 59-124
CONSERVATOIRE NAT DES ARTS - ET-METIERS PARIS FRANCE
INTERNAL DOUBLE REFLECTION IN A PERFECT CRYSTAL NOV 1958
BY CUINIER A — DDC NR. 210629
GUYON E — CONTRACT NR. AF 61(052)-91
PROJ/TASK NR. 9769-37691

AFOSR TN 59-125
ROCHESTER UNIV OF N Y
THE PHOTOLYSIS OF AMMONIA IN THE PRESENCE OF NITRIC OXIDE
(WITHDRAWN AFOSR TN-59-126)
J PHYS CHEM 63 869-869 JUN 1959
BY SERVICE A — DDC NR. 210630
NOYES JR W A — CONTRACT NR. AF 18(600)-1520
PROJ/TASK NR. 9760-37600

AFOSR TN 59-126
WAYNE STATE UNIV, DETROIT, MICH
RELATION BETWEEN ABSTRACT HOMOTOPY AND GEOMETRIC HOMOTOPY
MAR 1959
BY WEBMA, L. — DDC NR. 210614
SZE-TSEN HU(P.I.) — CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9760-37650

AFOSR TN 59-127
POLYTECHNIC INST OF BROOKLYN NY
ON THE DIFFRACTION OF AN ARBITRARY PULSE BY A WEDGE OR A
CONE
Q APPL MATH 18 89-92 APR 1960
BY TING, L. — DDC NR. 210619
FERRI, A.(P.I.) — CONTRACT NR. AF 49(638)-665
FERRI ACPI) — PROJ/TASK NR. 9781-37712

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CALIFORNIA UNIV OF, BERKELEY,
BOUNDS FOR TH FIRST EIGENVALUE OF A RHOMBIC MEMBRANE
APR 1960
J MATH AND PHYS 39 18-34 APR 1960
BY MORREY M, — DDC NR. 210616
PROTTER M. H, — CONTRACT NR. AF 49(638)-398
PROJ/TASK NR. 9789-37727

AFOSR TN 59-129
ROCKETDYNE CANOGA PARK, CALIF
THE MOTION AND SHATTERING OF BURNING AND NON-BURNING
PROPELLANT DROPLETS MAR 1959
BY RABIN, E. — DDC NR. 210768
LAWHEAD, R. B. — CONTRACT NR. AF 18(603)-98
PROJ/TASK NR. 9751-37510

AFOSR TN 59-130
MICHIGAN UNIV OF, ANN ARBOR
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MAR 59
AMER J MATH 80 964-1029 OCT 1958
BY BOTT, R. — DDC NR. 210769
SAMELSON, H. — CONTRACT NR. AF 49(638)-104
WILDER, R. L.(P.I.) — PROJ/TASK NR. 9789-37727

AFOSR TN 59-131
ILLINOIS UNIV OF URBANA
EFFECT OF ION BOMBARDMENT ON SEMICONDUCTOR SURFACES MAR 1959
BY ARNOLD S R — DDC NR. 210839
BARDEEN J — CONTRACT NR. AF 49(638)-417
PROJ/TASK NR. 9769-37691

AFOSR TN 59-132
ILLINOIS UNIV OF URBANA
THE CONDUCTANCE OF A CLEANED GERMANIUMSURFACE MAR 1959
BY PORTNOY W M — DDC NR. 210840
HANDLER P — CONTRACT NR. AF 49(638)-417
BARDEEN J — PROJ/TASK NR. 9769-37691

AFOSR TN 59-133
FRANKLIN INST PHILADELPHIA PA
ETCH PATTERNS IN ZINC
J FRANKLIN INST 267 309-315 APR 1959
BY DAMIANO V V — DDC NR. 210861
HERMAN H — CONTRACT NR. AF 18(600)-1981
SMITH R L — PROJ/TASK NR. 9762-37621

AFOSR TN 59-134
MIDWEST RSCH INST KANSAS CITY, MO.
EXPANSION OF THE CONFLUENT HYPERGEOMETRIC FUNCTION IN
SERIES OF BESSEL FUNCTIONS APR 1959
BY LUKE, Y. L. — DDC NR. 210862
CONTRACT NR. AF 49(638)-66
PROJ/TASK NR. 9769-37690

AFOSR TN 59-135
OKLAHOMA STATE UNIV STILLWATER
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DIAMONDS, AUG, 58.
BY BELL W D — DDC NR. 211034
LEIVO, W J(P.I.) — CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TN 59-136
OKLAHOMA STATE UNIV STILLWATER
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BY WAYLAND JR J H — DDC NR. 211035
LEIVO W J — CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TN 59-137
OKLAHOMA STATE UNIV STILLWATER
DETERMINATION OF ENERGY LEVELS IN SEMICONDUCTING
DIAMOND BY OPTICAL TRANSMISSION METHODS. 1957
BY STEIN H J — DDC NR. 211036
LEIVO W J — CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TN 59-138
OKLAHOMA STATE UNIV STILLWATER
THE HALL EFFECT IN SEMICONDUCTING DIAMOND AUG 1958
BY YOUNG T — DDC NR. 211037
LEIVO W J — CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TN 59-139
OKLAHOMA STATE UNIV STILLWATER
PHOTOCONDUCTIVITY IN SEMICONDUCTING DIAMONDS 1958
BY JOHNSON C C — DDC NR. 211038
LEIVO W J — CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 7772-19791

AFOSR TN 59-140
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
STATISTICAL MECHANICS OF RIGID SPHERES
J CHEM PHYS 31 369-380 AUG 1959
BY LEBOWITZ, J. L. — DDC NR. 210844
REISS, H. — CONTRACT NR. AF 49(638)-352
FRISCH, H. L. — PROJ/TASK NR. 9791-37811
HAJANS JCPI)

AFOSR TN 59-141
GEORGETOWN UNIV WASH D C
CHANGES IN PALMYRA ATOLL AND ITS VEGETATION THROUGH THE
ACTIVITIES OF MAN
PACIFIC NATURALIST U FEB 1959
BY DAWSON E Y — DDC NR. 221901
ZIMMER M — CONTRACT NR. AF 49(638)-187
PROJ/TASK NR. 9778-37706

AFOSR TN 59-142
DUKE UNIV DURHAM NO CAR
THE MEASUREMENT OF HUMAN ADAPTATION TO STRESSFUL
ENVIRONMENTS
GEN SYST J 291-261 1959 ARS SEP 19-18, 1958, N.Y.
BY COHEN S I — DDC NR. 266191
SILVERMAN A J — CONTRACT NR. AF 49(638)-396
SHMAVONIAN B M — PROJ/TASK NR. 9778-37706

AFOSR TN 59-143
DUKE UNIV DURHAM NO CAR
HALLUCINATIONS IN SENSORY DEPRIVATION
HALLUCINATIONS JUNE &STRAMOR, 1962 PP 129-136
PROCEEDINGS, SYMPOSIUM OF HALLUCINATIONS, AAAS MTG, DEC, 26-
27, 1958, WASH D, C,
BY SILVERMAN A J — DDC NR. 221902
COHEN S I — CONTRACT NR. AF 49(638)-396
BRESSLER B — PROJ/TASK NR. 9778-37706
SHMAVONIAN B M

AFOSR TN 59-144
DUKE UNIV DURHAM NO CAR
PRACTICAL AND THEORETIC DIFFICULTIES IN ISOLATION STUDIES
PROCEEDINGS, ONR SYMPOSIUM ON SENSORY DEPRIVATION, HARVARD
U,, JUN 1958, BOSTON, MASS,
BY COHEN S I — DDC NR. 259126
SILVERMAN A J — CONTRACT NR. AF 49(638)-396
BRESSLER B — PROJ/TASK NR. 9778-37706
SHMAVONIAN B

AFOSR TN 59-145
DUKE UNIV DURHAM NO CAR
SELECTION TECHNIQUES FOR SPACE CREWS
AMER J PSYCH 119 1110-1112 JUN 1959
REG,RES,MTG,/AMER,PSYCH,ASSTN,DEC,1-5,58MIAMI, FLU,
BY SILVERMAN A J — DDC NR. 259128
COHEN S I — CONTRACT NR. AF 49(638)-396
SHMAVONIAN B — PROJ/TASK NR. 9778-37706

AFOSR TN 59-146
WASHINGTON UNIV OF SEATTLE
STUDIES IN MOLECULAR SPECTROSCOPY MAR 1960
BY EGGERS JR D F — DDC NR. 296127
EMERSON W T — CONTRACT NR. AF 18(600)-1522
CROSS, P C(P.I.) — PROJ/TASK NR. 7772-19750

AFOSR TN 59-147
ILLINOIS INST OF TECHNOLOGY CHICAGO
THE VINYL CARBANION JAN 1959
BY MILLER S I — DDC NR. 210981
LEE W G — CONTRACT NR. AF 49(638)-99
PROJ/TASK NR. 9762-37620

AFOSR TN 59-148
CORNELL UNIV ITHACA N Y
ENTROPIES AND ENERGIES OF DIMERIZATION OF ALKALI METAL
HALIDES
JCHEM PHYS 29 991-995 NOV 1958
BY BAUER S H — DDC NR. 266285
DINER R M — CONTRACT NR. AF 18(603)-1
PORTER, R F — PROJ/TASK NR. 9769-37610

AFOSR TN 59-149
VIRGINIA UNIV OF CHARLOTTESVILLE
HIGH TEMPERATURE ANTIOXIDANTS FOR SYNTHETIC FLUIDS JAN 1959
BY COLE JR J W — DDC NR. 210983
CONTRACT NR. AF 18(603)-103
PROJ/TASK NR. 9761-37610

AFOSR TN 59-150
PRINCETON UNIV N J
DETERMINATION OF DIFFUSION COEFFICIENTS IN SOLIDS BY THE
RESIDUAL ACTIVITY METHOD FEB 1959
BY CONDIT R H — DDC NR. 210984
BIRCHENAU C E — CONTRACT NR. AF 18(600)-967
PROJ/TASK NR. 9761-37611

AFOSR TN 59-184
MICHIGAN UNIV OF ANN ARBOR
UNISKER GROWTH OR VANADIUM PENTOXIDE SURFACES MAR 1959
BY LEE, V. J. DOC NR. 211326
PARRAVANO, G. CONTRACT NR. AF 49(638)-499
PROJ/TASK NR. 9762-57621

AFOSR TN 59-185
MARYLAND UNIV OF COLLEGE PARK
ELASTIC SCATTERING OF SLOW IONS IN GASES. 26 FEB 59
J CHEM PHYS 31 594-600 SEP 1959
BY MASON, E. A. DOC NR. 211325
VANDERSLICE, J. T. CONTRACT NR. AF 18(600)-1562
PROJ/TASK NR. 9760-57600

AFOSR TN 59-186
CALIFORNIA UNIV OF LOS ANGELES
THE CRYSTAL STRUCTURES OF TETRACYANOETHYLENE JAN 1959
BY DEROE, D A DOC NR. 211326
TRUEBLOOD, K N CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-57600

AFOSR TN 59-188
POLYTECHNIC INST OF BROOKLYN NY
FLEXURAL VIBRATIONS OF ELASTIC SANDWICH PLATES MAR 1959
J AEROSP SCI 27 272-282 APR 60
BY YU, Y. Y. DOC NR. 211219
CONTRACT NR. AF 49(638)-499
PROJ/TASK NR. 9782-57717

AFOSR TN 59-189
COLUMBIA UNIV N Y
VIBRATIONS AND STABILITY OF PLATES UNDER INITIAL STRESS
FEB 1959
BY MCGRAHAN, G. DOC NR. 211220
ARMENAKAS A, E CONTRACT NR. AF 49(638)-450
PROJ/TASK NR. 9782-57717

AFOSR TN 59-190
POLYTECHNIC INST OF BROOKLYN NY
A NOTE ON SHEAR CENTERS OF THIN-WALLED CLOSED SECTIONS IN THE PRESENCE OF CREEP FEB 1959
BY PANDALAI, K. A. V. DOC NR. 211311
PATEL S. A. CONTRACT NR. AF 49(638)-902
KEMPNER, J. <P.I.> PROJ/TASK NR. 9782-57717

AFOSR TN 59-191
JOHNS HOPKINS UNIV BALTIMORE MD
IODINE NQR SPECTRUM OF BORON TRIIODIDE 1959
BY LAURITA, W C DOC NR. 260255
KOSKI, W S CONTRACT NR. AF 18(600)-1526
PROJ/TASK NR. 9760-57600

AFOSR TN 59-192
PITTSBURGH UNIV OF PA
THEORY OF SUPEREXCHANGE
PHYSICAL REV 115 1628-1634 SEP 1959
BY KEFFER F DOC NR.
OGUCHI, T CONTRACT NR. AF 49(638)-323
ANDERSON, J<P.I.> PROJ/TASK NR. 9762-57621
DEAN, C<P.I.>

AFOSR TN 59-193
PITTSBURGH UNIV OF PA
THEORY OF THE OVERHAUSER EFFECT IN PLUMO-AND ANTIFERROMAG
PHYSICS CHEMISTRY OF SOLIDS
BY OGUCHI, T DOC NR. 262029
KEFFER, F CONTRACT NR. AF 49(638)-323
DEAN, C<P.I.> PROJ/TASK NR. 9762-57621
ANDERSON, J<P.I.>

AFOSR TN 59-194
ROCKETDYNE, CANOGA PARK, CALIF
FEB 1959 ACCELERATOR DESIGN TECHNIQUES FOR ION THRUST DEVICES.
BY EILENBERG, S. L. DOC NR. 211671
BODEN, R. M.<P.I.> CONTRACT NR. AF 49(638)-944
PROJ/TASK NR. 9752-57521

AFOSR TN 59-195
ROYAL COLLEGE OF SCI AND TECHNOLOGY GLASGOW SCOTLAND
OCT 1958. THE SOLUTION OF BOUNDARY VALUE PROBLEMS FOR A GENERAL MODOGRAPH EQUATION.
PROC CAMBRIDGE PHIL SOC 54 538-553 1958
BY MACKIE, A. G. DOC NR. 211672
PACK, D. C. <P.I.> CONTRACT NR. AF 61(514)-1170
PROJ/TASK NR. 9781-57712

AFOSR TN 59-196
LABORATOIRE MEDITERRANEEN DE RECH THERMODYN NICE, FRANCE
FEB. 1959. USE OF THE REVOLVING ARM METHOD FOR THE DETERMINATION OF THE STAGNATION TEMPERATURE IN AN IONIZED GAS
BY DEVIENNE, F. M. DOC NR. 211673
ROUSTAN, A. F. CONTRACT NR. AF 61(514)-1126
ET.AL. PROJ/TASK NR. 9781-57712

AFOSR TN 59-197
POLITECNICS DI TORINO, ITALY
DEC 1958 ON THE EXISTENCE OF INFINITE ACCELERATION POINTS IN TRANSONIC FLOWS AROUND AIRFOILS WITH FINITE CURVATURE
BY NOCILLA, S. DOC NR. 211674
FERRARI, C. <P.I.> CONTRACT NR. AF 61(514)-1124
PROJ/TASK NR. 9781-57712

AFOSR TN 59-198
OXFORD UNIV ENGLAND
A NON-THERMAL DIRECT-CURRENT PLASMAHEATING MECHANISM
NATURE, 183 102 JAN 1959
BY REAGAN, D DOC NR. 211675
MOTZ, H .<P.I.> CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9760-57650

AFOSR TN 59-199
BROWN UNIV PROVIDENCE R I
CALCULATION OF SUPERSONIC FLOW PAST A FLAT-HEADED CYLINDER BY BELOTSERKOVSKII-S METHOD MAR 1959
BY GOLD R DOC NR. 211929
MOLT H CONTRACT NR. AF 49(638)-232
PROJ/TASK NR. 9781-57712

AFOSR TN 59-200
POLYTECHNIC INST OF BROOKLYN NY
FAVORABLE INTERFERENCE OF A BODY AND BIPLANE COMBINATION IN SUPERSONIC FLOW MAR 1959
BY TING, L. DOC NR. 211926
FERRI, A. <P.I.> CONTRACT NR. AF 49(638)-449
PROJ/TASK NR. 9781-57712

AFOSR TN 59-201
MINNESOTA UNIV OF MINNEAPOLIS
THE APPLICATION OF CONSTANT PROPERTY SOLUTIONS TO MASS TRANSFER COOLING CALCULATIONS DEC 1958
BY SCOTT, C. J. DOC NR. 211927
ECKERT, E. R.<P.I.> CONTRACT NR. AF 18(600)-1226
PROJ/TASK NR. 9781-57712

AFOSR TN 59-203
FREE UNIV OF BRUSSELS BELGIUM
IRREVERSIBLE PROCESSES IN A PLASMA
PHYSICA 25 924-925 FEB 1959
BY BALESCU, R DOC NR. 204280
PRIGOGINE, I.<P .I.> CONTRACT NR. AF 61(052)-179
PROJ/TASK NR. 9751-57511

AFOSR TN 59-204
WAYNE STATE UNIV, DETROIT, MICH
ON THE UNIQUENESS THEOREM OF LOCAL HOMOLOGY THEORY 1959
TSING JUA J CHINESE STUDIES SPEC NR 1 NATURAL SCI DEC 1959
PP 192-200
BY SZE-TSEN HU DOC NR. 211609
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-57650

AFOSR TN 59-205
MINNESOTA UNIV OF MINNEAPOLIS
ON THE UNIQUENESS OF COMPRESSIBLE FLUID MOTIONS
ARCH RATIONAL MECH & ANAL 3 271-280 1959
BY SERRIN, J. B. DOC NR. 211659
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-57650

AFOSR TN 59-206
CORNELL UNIV, ITHACA, NY
CONVERGENCE OF ORTHOGONAL SERIES MAR 1959
BY ASAEW R DOC NR. 211660
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-57727

AFOSR TN 59-207
INST FOR ADVANCED STUDY, PRINCETON, N.J.
AFFINE-REGULAR POLYGONS INSCRIBED IN PLANE CONVEX SETS
PPB 1959
BY GRUNBAUM, B. DOC NR. 211661
MORSE, M. <P.I.> CONTRACT NR. AF 49(638)-253
BEURLING, A. <P.I.> PROJ/TASK NR. 9769-57650

AFOSR TN 59-208
CALIFORNIA UNIV OF, BERKELEY
59 A CHARACTERIZATION OF INVARIANT AFFINE CONNECTIONS
BY KOSTANT B DOC NR. 211662
CONTRACT NR. AF 49(638)-79
PROJ/TASK NR. 9769-57650

AFOSR TN 59-210
COLUMBIA UNIVER, NY
A NOTE ON PERFECT PROBABILITY FEB 1959
BY KALLIANPUR G DOC NR. 211664
ROBBINS H <PI><. CONTRACT NR. AF 18(600)-442
PROJ/TASK NR. 9798-67900

AFOSR TN 59-211
COLUMBIA, NY
ON THE INDEPENDENCE OF A LINEAR STATISTICS AND OF A QUADRATIC STATISTIC
BY KALLIANPUR G DOC NR. 262094
ROBBINS H <PI><8 CONTRACT NR. AF 18(600)-442
PROJ/TASK NR. 9798-67900

AFOSR TN 59-212
MARYLAND UNIV OF COLLEGE PARK
ON A MEAN VALUE THEOREM, AND ITS CONVERSE, FOR THE DISPLACEMENTS IN THE THEORY OF ELASTICITY JAN 1959
PORTER MATHEMATICA
BY DIAZ, J B DOC NR. 211666
PAYNE, L E CONTRACT NR. AF 49(638)-226
WEINSTEIN, A<P.I.> PROJ/TASK NR. 9769-57727

AFOSR TN 59-213
NORTH CAROLINA UNIV, CHAPEL HILL
A NOTE ON A RESULT IN THE THEORY OF CODE CONSTRUCTION JAN 1959
BY BOSE, R. C. DOC NR. 211772
SHRIKHANDE, S. S. CONTRACT NR. AF 49(638)-211
PROJ/TASK NR. 9769-57650

AFOSR TN 59-214
STANFORD UNIV CALIF
ON THE ADJOINT SEMIGROUP AND SOME PROBLEMS IN THE THEORY OF APPROXIMATION APR 1959
BY DELEEUW, K. DOC NR. 211776
CONTRACT NR. AF 49(638)-296
PROJ/TASK NR. 9769-57650

AFOSR TN 59-215
NORTH CAROLINA UNIV OF CHAPEL HILL
MINIMUM BIAS ESTIMATION DEC 1958
BY HALL, W. J. DOC NR. 211777
HOEFFDING, W.<P.I.> CONTRACT NR. AF 49(638)-261
PROJ/TASK NR. 9792-57922

AFOSR TN 59-216
NORTH CAROLINA UNIV, CHAPEL HILL
ON AN OPTIMUM PROPERTY OF SOME BECHHOFER SOBEL NON SEQUENTIAL MULTIPLE-DECISION RULES NOV 1958
BY HALL, W. J. DOC NR. 211778
HOEFFDING, W. <P.I.> CONTRACT NR. AF 49(638)-261
PROJ/TASK NR. 9792-57922

AFOSR TN 59-217
NORTH CAROLINA UNIV OF CHAPEL HILL
CONTRIBUTIONS TO UNIVARIATE OR MULTIVARIATE ANOVSIS OF VARIANCE WITH FIXED EFFECTS, NORMAL OR NONNORMAL RANDOM EFFECTS, AND MIXED EFFECTS JAN 1959
BY ROY, S. N. DDC NR. 211779
COOB, W. CONTRACT NR. AF 49(638)-213
BOSE, R. C.<P.I.> PROJ/TASK NR. 9760-37650

AFOSR TN 59-218
MICHIGAN UNIV OF ANN ARBOR
AN INVESTIGATION OF REACTIONS INVOLVED IN THE PREPARATION OF FERRITES JAN 1959
BY JEFFERSON, C P DDC NR. 211780
GRIMES, D. M.<P.I.> CONTRACT NR. AF 18(603)-0
PROJ/TASK NR. 9763-37651

AFOSR TN 59-219
MICHIGAN UNIV OF ANN ARBOR
SUM RULES AND RELATIVE INTENSITIES FOR PARAMAGNETIC IONS SPIN 5/2 JAN 1959
BY KIKUCHI, C. DDC NR. 211801
TIFFANY, L<P.I.> CONTRACT NR. AF 49(638)-68
PROJ/TASK NR. 9763-37651

AFOSR TN 59-220
MICHIGAN UNIV OF ANN ARBOR
RESONANCE ABSORPTION OF PARAMAGNETIC IONS WITH SPIN5/2 CACO 3 MN AUG 1959
BY KIKUCHI, C. DDC NR. 239253
TIFFANY, L.<P.I.> CONTRACT NR. AF 49(638)-68
PROJ/TASK NR. 9763-37651

AFOSR TN 59-222
WESTERN RESERVE UNIV, CLEVELAND, O
THE PROCESSES OF DOCUMENTATION, FEB 1959
BY BOOTH E. DDC NR. 211804
WADSWORTH M. CONTRACT NR. AF 49(638)-397
HOFFMAN W <P.I.> PROJ/TASK NR. 9760/37659

AFOSR TN 59-223
CALIFORNIA UNIV OF BERKELEY
MATRIX ISOLATION STUDIES. INFRARED SPECTRA OF INTERMEDIATE SPECIES IN THE PHOTOLYSIS OF HYDRAZOIC ACID 22
J CHEM PHYS 32 133-140 JAN 1960
BY VAN THIEL, M. DDC NR. 211805
PIMENTEL G. C. CONTRACT NR. AF 49(638)-1
PROJ/TASK NR. 9763-37650

AFOSR TN 59-224
PARIS, UNIV OF FRANCE
SEP 1958 TECHNICAL REPORT OF RESEARCH PERFORMED BETWEEN OCTOBER 1, 1956 AND SEPTEMBER 30, 1958.
BY LEVY, M.<P.I.> DDC NR. 211806
CONTRACT NR. AF 61(514)-1060
PROJ/TASK NR. 9750-37500

AFOSR TN 59-225
UPPSALA UNIV OF SWEDEN
RESEARCH ON METALLIC PHASES IN SYSTEMS OF TRANSITION METALS WITH NON-METALS, ANNUAL TECHNICAL SUMMARY REPORT NO . 1 DEC 1958
BY HAGG, G.<P.I.> DDC NR. 211807
CONTRACT NR. AF 61(052)-40
PROJ/TASK NR. 9762-3761

AFOSR TN 59-226
TECHNISCHE HOCHSCHULE KARLSRUHE, GERMANY
JAN 1959. RING AIRFOIL THEORY. PROBLEMS OF INTERFERENCE AND BOUNDARY LAYER.
BY WEISSINGER, J. DDC NR. 211809
CONTRACT NR. AF 61(514)-1207
PROJ/TASK NR. 9781-37712

AFOSR TN 59-227
OXFORD UNIV OF ENGLAND
JUL 1958. PRODUCTION OF HIGH CONCENTRATION OF HYDROGEN ATOM
NATURE 182 997-998 AUG 1958
BY JENNINGS, K. R. DDC NR. 211810
LINNETT, J. W. CONTRACT NR. AF 61(514)-1117
PROJ/TASK NR. 9751-37510

AFOSR TN 59-228
OXFORD UNIV OF ENGLAND
THE RECOMBINATION OF OXYGEN ATOMS AT SURFACES.
TRANS FARADAY SOC 54 SEP 1958
BY GREAVES, J. C. DDC NR. 211861
LINNETT, J. W. CONTRACT NR. AF 61(514)-1117
PROJ/TASK NR. 9751-37510

AFOSR TN 59-229
MIAMI UNIV OF CORAL GABLES, FLA
STUDIES OF IONIZATION PARAMETERS IN NUCLEAR EMULSIONS FEB 1959
REV SCI INSTR 31 289-297 MAR 1960
BY BLAU, M. DDC NR. 211862
BLOCH, S. C. CONTRACT NR. AF 49(638)-97
CARTER, C. P. PROJ/TASK NR. 9750-37500
PERLMUTTER, A.

AFOSR TN 59-230
STANFORD RSCH INST MENLO PARK CALIF
MASS SPECTROMETER ANALYSIS OF THE VAPOR IN EQUILIBRIUM WITH THE ALKALI-METAL CHLORIDES.
J CHEM PHYS 28 718-719 APR 1958
BY MILNE, T A DDC NR. 264656
KLEIN, M M CONTRACT NR. AF 49(638)-89
CUBICCIOTTI, D PROJ/TASK NR. 9760-37600

AFOSR TN 59-231
STANFORD RSCH INST MENLO PARK CALIF
DETERMINATION OF RELATIVE PARTIAL PRESSURE FORM MASS SPECTROMETER ION INTENSITY MEASUREMENTS.
J CHEM PHYS 28 717-718 APR 1958
BY MILNE, T A DDC NR. 264657
CUBICCIOTTI, D. CONTRACT NR. AF 49(638)-89
PROJ/TASK NR. 9760-37600

AFOSR TN 59-232
ILLINOIS UNIV OF URBANA
CONFIGURATION INTERACTION IN ALKALI HALIDE PHOSPHORS FEB 59
PHYS REV 113 1099-1106 SEP 1959
BY KNOX, R S DDC NR. 211647
SEITZ, F.<P.I.> CONTRACT NR. AF 18(600)-689
PROJ/TASK NR. 9760-37601

AFOSR TN 59-234
CALIFORNIA UNIV OF, BERKELEY.
UNIQUENESS THEOREMS FOR EQUATIONS OF MIXED TYPE III MAR 195
MAR 1959
BY PROTTER M. H. DDC NR. 212004
CONTRACT NR. AF 49(638)-398
PROJ/TASK NR. 9783-37727

AFOSR TN 59-235
HARVARD UNIV CAMBRIDGE MASS
ON DEGREE OF APPROXIMATION BY BOUNDED HARMONIC FUNCTIONS
APR 1959
BY WALSH, J. L. DDC NR. 212005
AHLFORS, L. V.<P.I.> CONTRACT NR. AF 18(600)-1461
PROJ/TASK NR. 9760-37650

AFOSR TN 59-236
WAYNE STATE UNIV, DETROIT, MICH
ISOTOPY INVARIANTS OF TOPOLOGICAL SPACES MAR 1959
PROC ROY SOC A255 331-366 1960
BY SZE-TSEN HU DDC NR. 212006
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9760-37650

AFOSR TN 59-237
BELL AIRCRAFT CORP BUFFALO, NY
CHEMICAL NON-EQUILIBRIUM EFFECTS IN THE LAMINAR BOUNDARY LAYER
BY INGER, G DDC NR. 212007
RINALDO, J CONTRACT NR. AF 49(638)-380
ZISPEIN H R <P.I.> PROJ/TASK NR. 9781-37713

AFOSR TN 59-238
WASHINGTON UNIV ST LOUIS MO
THEORY OF SOLID HE3
PHYS REV LTRS 2 290-292 APR 1959
BY BERNARDES, N. DDC NR. 212101
PRIMAKOFF, H. CONTRACT NR. AF 18(603)-108
CONDON, E. U .<P.I.> PROJ/TASK NR. 9751-37512

AFOSR TN 59-239
MARYLAND UNIV OF COLLEGE PARK
ROLE OF RINGCURRENT IN MAGNETIC STORMS 1958
TRANS. AMER. GEOPHYS. UNION 39 932 <1958><A>
BY SINGER, S. F. DDC NR.
CONTRACT NR. AF 18(600)-1038
PROJ/TASK NR. 9776-37665

AFOSR TN 59-240
MARYLAND UNIV OF COLLEGE PARK
TRAPPED ORBITS IN THE EARTH-S DIPOLE FIELD 1956
BULL. AM. PHYS. SOC. 1 22 <1956> <A> AMER PHYS MTG WASH DC APR 1956
BY SINGER, S. F. DDC NR.
CONTRACT NR. AF 18(600)-1038
PROJ/TASK NR. 9776-37665

AFOSR TN 59-241
MARYLAND UNIV OF COLLEGE PARK
SOME CONSEQUENCES OF A THEORY OF THE RADIATION BELT 1958
J. BRITISH INTERPLANETARY SOC 16 958-964 DEC 1958
BY SINGER, S. F. DDC NR. 212104
CONTRACT NR. AF 18(600)-1038
PROJ/TASK NR. 9776-37665

AFOSR TN 59-243
CORNELL UNIV ITHACA NY
A MASS SPECTROMETRIC STUDY OF ALKALI HYDROXIDE VAPORS
J CHEM PHYS 31 830-833 SEP 1959
BY SCHOONMAKE, R C DDC NR. 250866
PORTER, R F CONTRACT NR. AF 18(603)-1
PROJ/TASK NR. 9762-37630

AFOSR TN 59-245
ZATOR CO CAMBRIDGE, MASS
THE NEXT TWENTY YEARS IN INFORMATION RETRIEVAL..
SOME GOALS AND PREDICTIONS. MAR 1959
AMER DOC 11..229-236..1960
BY ROGERS C M. DDC NR. 212225
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9769-37659

AFOSR TN 59-246
ZATOR CO CAMBRIDGE, MASS
MECHANIZATION OF LINGUISTIC LEARNING APR 1959
BY SOLOMONOFF R. J. DDC NR. 212226
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9769-37659

AFOSR TN 59-247
PLASMADYNE CORP, SANTA ANA, CALIF
ARGON MOLLIER CHART FEB 1959
BY CANN, G. L. DDC NR. 212227
DUCATI, A. C. CONTRACT NR. AF 49(638)-96
PROJ/TASK NR. 9752-37621

AFOSR TN 59-248
DUKE UNIV DURHAM, NC
ABSORPTION AND DISPERSION OF MICROWAVES IN FLAMES
APPENDIX MEASUREMENTS OF FREE ELECTRONS IN FLAMES
PHYS REV 116 266-269 OCT 1959
BY SCHNEIDER, J. DDC NR. 212228
HOFMANN, F. W. CONTRACT NR. AF 18(600)-497
GORDY, W. <P.I.> PROJ/TASK NR. 9760-37650

AFOSR TN 59-249
DUKE UNIV DURHAM, NC
MILLIMETER-WAVE ROTATIONAL SPECTRUM IN NO IN THE 2 3/2 STATE
PHYS REV 114 1934-1937 15 JUN 1959 AD219119
BY FAVERO, P. G. DDC NR. 212229
MIRRI, A. M. CONTRACT NR. AF 18(600)-497
GORDY, W. PROJ/TASK NR. 9760-37650

AFOSR TN 59-250
CORNELL UNIV ITHACA NY
THE COLLISION THEORY OF THE KINETICS OF DISSOCIATION OF DIATOMIC MOLECULES
J CHEM PHYS 31 1027-1029 OCT 1959
BY WIGGR, B. DDC NR. 229673
CONTRACT NR. AF 18(603)-111
PROJ/TASK NR. 9791-37511

AFOSR TN 59-252
HUMAN SCIENCES RSCH INC ARLINGTON VA
A CONCEPTUAL FRAMEWORK FOR THE INTEGRATION OF SMALL GROUP RESEARCH INFORMATION FEB 1959
BY ALTMAN, I. DDC NR. 212252
MCGRATH, J. E. CONTRACT NR. AF 49(638)-256
PROJ/TASK NR. 9770-37707

AFOSR TN 59-253
BROWN UNIV PROVIDENCE RI
SONICALLY-INDUCED MICROSTREAMING APPLIED TO A SURFACE REACTION
J ACOUST SOC AMER 31 706-711 JUN 1959
BY NYBORG, W. L. DDC NR. 238461
GOULD, R. K. CONTRACT NR. AF 18(603)-94
JACKSON, P. J. PROJ/TASK NR. 9791-37511

AFOSR TN 59-254
NORTHWESTERN UNIV, EVANSTON, ILL
EXISTENCE THEOREMS FOR CERTAIN CLASSES OF TWO-POINT BOUNDAY PROBLEMS BY VARIATIONAL METHODS
POC J MATH 10 91-119 1960
BY DRISCOLL, R. J. DDC NR. 212254
REID, W. T. <P.I.> CONTRACT NR. AF 49(638)-400
PROJ/TASK NR. 9769-37658

AFOSR TN 59-255
CORNELL UNIV, ITHACA, NY
THE EQUIVALENCE OF TWO EXTREMUM PROBLEMS
BY WOLFOWITZ J. DDC NR. 206073
CONTRACT NR. AF 49(638)-226
PROJ/TASK NR. 9752-37422

AFOSR TN 59-256
PLASMADYNE CORP, SANTA ANA, CALIF
SOME DYNAMICS PROBLEMS OF THE PURCH METHOD OF HEATING AND ACCELERATION OF PLASMAS FEB 1959
BY LOOS, H. G. DDC NR. 212256
WARIEK, R. W. <P.I.> CONTRACT NR. AF 49(638)-355
PROJ/TASK NR. 9768-37650

AFOSR TN 59-257
BOSTON UNIV MASS
MODIFICATION OF THE FOKKER-PLANCK EQUATION FOR NON-LINEAR FRICTION
BY SIEGEL, A. DDC NR.
CONTRACT NR. AF 18(603)-29
PROJ/TASK NR. 9791-37911

AFOSR TN 59-258
MARYLAND UNIV OF COLLEGE PARK
QUANTUM STATISTICS OF INTERACTING PARTICLES - II. CLUSTER INTEGRAL DEVELOPMENTS OF TRANSPORT COEFFICIENTS <AD 262261 RPTD ON RETURNED FORM 62>
PHYSICA 25 629-643 1959
BY MONTROLL, E. W. DDC NR. 262052
WARD, J. C. CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9791-37911

AFOSR TN 59-259
OHIO STATE UNIV COLUMBUS
COMPUTATION OF ASYMMETRIC ROTATOR CONSTANTS FORM ENERGY MOMENTS, III. FIRST ORDER CENTRIFUGAL STRETCHING EFFECTS
J. CHEM. PHYS. <SUBMITTED> 31 1227-1230 NOV 1959
BY PARKER, P. M. DDC NR. 251670
BROWN, L. C. CONTRACT NR. AF 18(600)-772
WILLIAMS, D. <P.I.> PROJ/TASK NR. 9768-37650

AFOSR TN 59-260
MARYLAND UNIV OF COLLEGE PARK
ON THE CLUSTER INTEGRAL DEVELOPMENT OF PAIR DISTRIBUTION FUNCTIONS
BY FUJITA, S. DDC NR. 266129
ISAHARA, A. CONTRACT NR. AF 18(600)-1315
MONTROLL, E. PROJ/TASK NR. 9791-37911

AFOSR TN 59-261
KENT STATE UNIV OHIO
WIDE LEVEL RF UNIT FOR AN NMR SPECTROMETER APR 1959
REV SCI INSTR 30 272-274 APR 1959
BY KAPUR, K. N. DDC NR. 212328
MCGRATH, J. W. CONTRACT NR. AF 49(638)-168
PROJ/TASK NR. 9768-37650

AFOSR TN 59-262
KENT STATE UNIV OHIO
PROTON MAGNETIC RESONANCE STUDY OF THE STRUCTURE OF POTASSIUM PENTABORATE APR 1959
J. CHEM. PHYS. 30 1028-1031 APR 1959
BY SILVIDI, A. A. DDC NR. 212329
MCGRATH, J. W. CONTRACT NR. AF 49(638)-168
PROJ/TASK NR. 9768-37650

AFOSR TN 59-263
CALIFORNIA UNIV OF LOS ANGELES
ON THE OPTIMUM SYNTHESIS OF MULTIPOLE CONTROL SYSTEMS IN THE WIENER SENSE
IRE TRANS ON AUTOMATIC CONTROL AC-4 16-29 NOV 1959
BY MSIEH, H C DDC NR. 212666
LEONDES, C T CONTRACT NR. AF 49(638)-638
LEAROES, C. T.<P.I.> PROJ/TASK NR. 9783-37726
ESTEREN, P.<P.I.>

AFOSR TN 59-264
GENERAL ELECTRIC CO, CINCINNATI, O
NITROGEN AT HIGH TEMPERATURES FEB 1959
BY MARTINEK F DDC NR. 212667
GHAI M L <P.I.> CONTRACT NR. AF 49(638)-249
PROJ/TASK NR. 9781-37713

AFOSR TN 59-265
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
SOME PROBLEMS IN HYDROMAGNETICS FEB 1959
BY CHOPRA, K. P. DDC NR. 212668
CHUAN, R. L. <P.I.> CONTRACT NR. AF 18(603)-99
PROJ/TASK NR. 9783-37729

AFOSR TN 59-266
CALIFORNIA UNIV OF BERKELEY
FORMATION OF METHYL NITRITE IN THE PHOTOLYSIS OF GASEOUS NITROMETHANE FEB 1959
BY PIMENTEL, G. C. DDC NR. 212669
ROLLEFSON, G. CONTRACT NR. AF 49(638)-1
PROJ/TASK NR. 9763-37630

AFOSR TN 59-268
RIAS INC, BALTIMORE, MD
A NEW APPROACH TO FILTERING AND PREDICTION PROBLEMS MAR 59
J BASIC ENGIN 99-45 MAR 1960
BY KALMAN, R E DDC NR. 238469
CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-269
COLUMBIA UNIV NY
TWINNING IN ZINC SINGLE CRYSTALS AUG 1958
BY GUDERMAN, M D DDC NR. 212703
GENSAMER, M.<P.I.> CONTRACT NR. AF 18(600)-890
PROJ/TASK NR. 9760-37601

AFOSR TN 59-270
COLUMBIA UNIV NY
INTERNAL FRICTION STUDY OF COLD WORKED IRON CONTAINING NITROGEN APR 1959
BY PETARRA, D P DDC NR. 212704
GENSAMER, M<P.I.> CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9760-37601

AFOSR TN 59-271
CORNELL UNIV ITHACA NY
STUDY OF A PLATINUM SURFACE USING A MASS SPECTROMETER MAY 1959
BY ARKING, A. DDC NR. 212705
BRADLEY, R C CONTRACT NR. AF 18(600)-674
BRADLEY, R. C.<P.I.> PROJ/TASK NR. 9761-37611
SIEGEL, B. M.<P<2.>

AFOSR TN 59-272
MICHIGAN UNIV ANN ARBOR
MAGNETIC PROPERTIES OF POLYCRYSTALLINE MATERIALS
J PHYS CHEM OF SOLIDS 12 28-40 1959
BY GRIMES, D. M. DDC NR. 212706
MARRINGTON, R. D. CONTRACT NR. AF 18(603)-8
RASMUSSEN, A L PROJ/TASK NR. 9763-37691

AFOSR TN 59-273
UNIV OF MARYLAND COLLEGE PARK
THE ELECTRIC SPARK METHOD FOR QUANTITATIVE MEASUREMENTS IN FLOWING GASES JAN 1959
BY BORELOURG, H. J. DDC NR. 212707
HERZOG, J. CONTRACT NR. AF 49(638)385
WESKE J. R. PROJ/TASK NR. 1750-17500

AFOSR TN 59-274
PRINCETON UNIV
INTERACTION OF A TWO-DIMENSIONAL INVISCID INCOMPRESSIBLE JET FACING A HYPERSONIC STREAM MAR 1959
BY LAM, S. H. DDC NR. 212708
BOGDONOFF, S. <P.I. CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781 37712

AFOSR TN 59-275
POLYTECHNIC INST OF BROOKLYN NY
ANALYSIS OF THE LAMINAR COMPRESSIBLE BOUNDARY LAYER CHARACTERISTICS OVER AN ISOTHERMAL FLAT PLATE WITH FINS FEB 1959
BY PALLONE, A. DDC NR. 212709
FERRI, A. <P.I.> CONTRACT NR. AF 49(638)-217
PROJ/TASK NR. 9781-37712

AFOSR TN 59-277
NORTH CAROLINA UNIV OF CHAPEL HILL
ON FALSITY OF EULER-S CONJECTURE ABOUT HTE NON-EXISTENCE OF TWO ORTHOGONAL LATIN SQUARES OF ORDER 4T62<PRELIMINARY REPORT> MAR 1959
BY BOSE, R. C. DDC NR. 212711
SHRIKHANDE, S. S. CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37648

AFOSR TN 59-278
OKLAHOMA STATE UNIV OF STILLWATER
ON THE MECHANISM OF UREASE ACTION DEC. 1958
BIO BIOPHYS ACTA. 34 268-270 1959
BY GORIN, G. DDC NR. 212712
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9777-37702

AFOSR TN 59-279
UNIV OF, BERKELEY, CALIFORNIA
VIBRATION OF A NONHOMOGENEOUS MEMBRANE APR 1959
PACIFIC J MATH 9,.1269-1295..1959
BY PROTTER M. H. DDC NR. 212912
CONTRACT NR. AF 49(638)-398
PROJ/TASK NR. 9783-37727

AFOSR TN 59-280
UNIV OF, BERKELEY, CALIFORNIA
ON DIFFERENCE METHODS FOR THE SOLUTION OF A PARTIAL DIFFERENTIAL EQUATION OF MIXED TYPE MAR 1959
BY OGAWA H DDC NR. 212913
PROTTER M. H. <P.I.> CONTRACT NR. AF 49(638)-398
PROJ/TASK NR. 9783-37727

AFOSR TN 59-281
CHICAGO UNIV OF, ILL
COLLINEATION GROUPS OF NON-DESARGUESIAN PLANES II.
SOME SEMI-NUCLEAR DIVISION ALGEBRAS <MAR 1959>
BY HUGHES D. R. DDC NR. 212914
MACLANE S<P.I.> CONTRACT NR. AF 18(600)-1181
PROJ/TASK NR. 9792-37922

AFOSR TN 59-288
COLUMBIA UNIV NY
PULSE WIDTH MODULATED RELAY CONTROL OF SYSTEMS SUBJECT BY SAMPLED DATA MAY 1959
BY HOLDEN, W. L. DOC NR. 212918
ISAACS, G. W. <P.I.> CONTRACT NR. AF 18(600)-677
PROJ/TASK NR. 9768-57690

AFOSR TJ 59-289
MINNESOTA UNIV OF MINNEAPOLIS
SYNTHESES OF UNSATURATED FATTY ALDEHYDES
J ORG CHEM 24 609-607 1959
BY HAROLD, M E DOC NR. 260256
SCHLENK, H <P.I.> CONTRACT NR. AF 18(603)-18
PROJ/TASK NR. 9777-57702

AFOSR TN 59-286
MASSACHUSETTS UNIV OF AMHERST
OXIDATIVE REACTIONS OF HYDRAZINE V. SYNTHESIS OF 1, 1-DISUBSTITUTED HYDRAZINES AND THEIR SULFONYL DERIVATIVES APR 1959
JACS 81 2728-2731 JUN 1960
BY CAMPBELL, L. A. DOC NR. 212917
SANTILLI, A. A. CONTRACT NR. AF 18(603)-114
MURRAY, R. PROJ/TASK NR. 9762-57620

AFOSR TN 59-285
MASSACHUSETTS UNIV OF AMHERST
O-ACYLHYDROXYLAMINES. II. REACTION OF DIBENZYLAMINE WITH O-MESITOYLHYDROXYLAMINE APR 1959
BY CAMPBELL L. A. DOC NR. 212918
CONTRACT NR. AF 18(603)-114
PROJ/TASK NR. 9762-57620

AFOSR TN 59-286
TEXAS A & M. COLLEGE STATION
SPIN-LATTICE RELAXATION TIMES IN BINARY SOLUTIONS MAR 1959
BY MITCHELL, R. W. DOC NR. 212919
EISNER, M. CONTRACT NR. AF 18(600)-1300
PROJ/TASK NR. 9751-57911

AFOSR TN 59-287
TEXAS UNIV OF AUSTIN
THE RELATIVE INTENSITIES OF ABSORPTION BANDS IN LIQUID AND GAS PHASES FROM DISPERSION THEORY
J CHEM PHYS 30 1059-1060 APR 1959
BY FERGUSON, E. DOC NR. 213031
ROBERTSON, W W<P.I.> CONTRACT NR. AF 49(638)-35
PROJ/TASK NR. 9763-57630

AFOSR TN 59-288
AERODYNE RSCH LABORATORIES, INC., PRINCETON, N.J.
SIMILITUDE TREATMENT OF HYPERSONIC STAGNATION HEAT TRANSFER ARS J 29 219-16 MAR 1959
BY ROGERS, D. F. DOC NR. 212920
CALCOTE, H. F.<P.I.> CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9752-57521

AFOSR TN 59-289
AVCO EVERETT RSCH LABORATORY EVERETT, MASS
DEC 1957. TABLES OF RADIATION FROM HIGH TEMPERATURE AIR
BY KIVEL, B. DOC NR. 212816
BAILEY, K. CONTRACT NR. AF 49(638)-61
PATRICK, R. <P.I.> PROJ/TASK NR. 9751-57910

AFOSR TN 59-290
AVCO EVERETT RSCH LABORATORY, EVERETT, MASS
FEB 1959. SUPERSONIC TWO-DIMENSIONAL MAGNETOHYDRODYNAMIC FLOW
59 MAGNETO HYDRODYNAMICS SYMPOSIUM LOCKHEED RES LAB., PALO ALTO CALIF NOV 22, 1958
BY FISHMAN, F. DOC NR. 259129
LOTHROP, J. CONTRACT NR. AF 49(638)-61
PATRICK, R. M. PROJ/TASK NR. 9752-57920
PETSCHEK, H.

AFOSR TN 59-291
TECHNISCHE HOCHSCHULE HANNOVER GERM
DEC 1958. THIN WALLED COMPRESSION MEMBERS
BY PFLUGER, A. DOC NR. 212921
CONTRACT NR. AF 61(514)-1140
PROJ/TASK NR. 9782-57717

AFOSR TN 59-292
WEIZMANN INST OF SCI REHOVOT ISRAEL
TABLES OF EXCHANGE BROADENED R-R-R MULTIPLETS MAR 1959
BY DOC NR. 213032
CONTRACT NR. AF 61(052)-69
PROJ/TASK NR. 9760-57600

AFOSR TN 59-293
OXFORD UNIV OF, ENGLAND
FEB 1959 PRODUCTION OF ATOMS USING ELECTRIC DISCHARGES
BY GREAVES, J. C. DOC NR. 213033
JENNINGS, K. R. CONTRACT NR. AF 61(514)-1117
LINNETT, J. W. PROJ/TASK NR. 9751-57910

AFOSR TN 59-294
ATHENS UNIV OF GREECE
THE CHARACTERISTIC TEMPERATURE OF SILVER FROM X-RAY REFLECTIONS
ACTA CRYSTAL 11 DEC 1958 865-867
BY DOSKOVITS, J DOC NR. 213034
BOILOS, M CONTRACT NR. AF 61(514)-1268
THEODOSIOU, A. PROJ/TASK NR. 9761-57631
ALEXOPOULOS, K

AFOSR TN 59-295
OREGON UNIV OF EUGENE
CHEMICAL STRUCTURE AND CHROMATOGRAPHIC ADSORBABILITY OF AROMATIC HYDROCARBONS ON ALUMINA
J ORG CHEM 24 1668-1677 OCT 1959
BY KLEMM, L H DOC NR. 231609
REED, D. CONTRACT NR. AF 49(638)-673
MILLER, L. A. PROJ/TASK NR. 9761-57610
HO, H T

AFOSR TN 59-296
UNIVERSITY COLLEGE CORK IRELAND
THE HYPERCIRCLE METHOD APPLIED TO THE SOLUTION OF THE DYNAMIC EQUATION - II, DEC 1958
BY MARY, V. G. DOC NR. 213040
GUIRLAM, P. M.<P.I.> CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9752-57522

AFOSR TN 59-297
UNIVERSITY COLLEGE CORK IRELAND
RESEARCH ON TORSION AND PLATE PROBLEMS, FIRST ANNUAL SUMMARY REPORT, 1 DECEMBER 1958 - 30 NOVEMBER 1958. JAN 1959
BY GUIRLAM, P. M. DOC NR. 213041
CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9752-57522

AFOSR TN 59-298
COPENHAGEN UNIV OF DENMARK
CENTRAL NERVOUS MECHANISMS IN COLOR VISION
DANISH MED BUL 184-185 JUN 1958
BY LEVINOV, M. A. DOC NR. 213042
CONTRACT NR. AF 61(514)-1194
PROJ/TASK NR. 9777-57700

AFOSR TN 59-299
LUND UNIV SWEDEN
THE DESENSITIZING EFFECT OF ACETYLCHOLINE ON THE MAMMALIAN MOTOR END-PLATE.
ACTA PHYSIOL SCAND 43 19-26 1958
BY AXELSSON, J. DOC NR. 213043
THESLEFF, S. CONTRACT NR. AF 61(052)-106
PROJ/TASK NR. 9777-57700

AFOSR TN 59-300
LUND UNIV SWEDEN
A STUDY OF THE INTERACTION BETWEEN NEUROMUSCULAR BLOCKING AGENTS AND ACETYLCHOLINE AT THE MAMMALIAN MOTOR END-PLATE
ACTA ANESTH SCAND 2 69-78 1958
BY THESLEFF, S. DOC NR. 213044
CONTRACT NR. AF 61(052)-106
PROJ/TASK NR. 9777-57700

AFOSR TN 59-301
DUKE UNIV DURHAM NO CAR
ON THE STEADY STATE THERMOELASTIC PROBLEM FOR THE HALF SPACE AND THE THICK PLATE MAR 1959
Q APP MATH 16 149-153 JUL 1960
BY SOKOLOFF, I. M. DOC NR. 213045
LOCKETT, F. J. CONTRACT NR. AF 18(600)-1341
GERGEN, J. J. <P.I.> PROJ/TASK NR. 9781-57727

AFOSR TN 59-302
PURDUE UNIV LAFAYETTE (N)
A MODIFIED LORD TOEPLER PUMP APR 1959
BY MARTIN, F DOC NR. 213046
GRAVES, B CONTRACT NR. AF 18(603)-65
CLIFFORD, A. F. <P.I PROJ/TASK NR. 9760-57601

AFOSR TN 59-303
ROCHESTER UNIV OF NY
PHOTOCONDUCTIVITY IN KI AND RBI. TECHNICAL NOTE B 3 A-R 59
BY YEREADDEN, E. DOC NR. 213047
DEXTER, D. L. CONTRACT NR. AF 49(638)-633
PROJ/TASK NR. 9761-57611

AFOSR TN 59-304
PRINCETON UNIV NJ
APPROXIMATE SOLUTIONS FOR SUPERSONIC FLOW OF WEDGES AND CONES APR 59
J AERO-SPACE SCI 27 71-75 JAN 1960
BY MARRITT, A. G. DOC NR. 213048
MURTHY, S. R. A. CONTRACT NR. AF 49(638)-665
BOGDONOFF, S. <P.I.> PROJ/TASK NR. 9781-57712

AFOSR TN 59-305
CORNELL UNIV ITHACA NY
PRECISE E
PRECISE WAVELENGTH OF A WIDE SPECTRAL LINE AND PRECISE LATTICE PARAMETER OF A CRYSTAL MAY 1959
BY PORTENS, J O DOC NR. 213089
PARRATT, L. G. CONTRACT NR. AF 49(638)-602
PROJ/TASK NR. 9760-57601

AFOSR TN 59-306
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
OXIDATION OF METALS
IND ENGIN CHEM 51 606-611 MAR 1959
BY SMELTZER W W DOC NR. 213090
EVERETT, L. M. CONTRACT NR. AF 18(600)-1572
POUND, G. M. PROJ/TASK NR. [illegible]-57611

AFOSR TN 59-307
NEW YORK UNIV NY
MEASURE-THEORETIC FOUNDATIONS OF STATISTICAL MECHANICS APR 1959
BY LEWIS, R. M. DOC NR. 213091
KLINE, M. <P.I.> CONTRACT NR. AF 49(638)-341
KRAICHNAN, R H PROJ/TASK NR. 9760-57650

AFOSR TN 59-308
RIAS INC, BALTIMORE MD
RECENT SOVIET CONTRIBUTIONS TO ORDINARY DIFFERENTIAL EQUATIONS AND NONLINEAR MECHANICS APR 1959
BY LEFSCHETZ, S.<P.I.> DOC NR. 213092
CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-57726

AFOSR TN 59-309
JOHNS HOPKINS UNIV BALTIMORE MD
A PHYSICO-CHEMICAL STUDY OF THE SYSTEM DIPHENYLMETHANE DIPHENYL ETHER <NO DATE>
J PHYS CHEM 64 67-70 JAN 1960
BY DETTRE, R. H. DOC NR. 213761
CONTRACT NR. AF 18(600)-769
PROJ/TASK NR. 9763-57630

AFOSR TN 59-910
RENSSELAER POLYTECHNIC INST TROY NY
STRUCTURE OF MOLTEN MERCURIC HALIDES
ANNALS NY ACAD SCI 79 790-801 JAN 1960
BY McINTYRE, J DDC NR. 213262
JANZ, G. J. CONTRACT NR. AF 49(638)-50
PROJ/TASK NR. 9760-37600

AFOSR TN 59-911
WASHINGTON UNIV OF SEATTLE
KINETICS AND EQUILIBRIA IN THE ALKYLATION OF DIBORANE JAN 1959
DIBRAN TO DIBRANES ADV IN CHEM SER # 32 AMER CHEM SOC WASH DC 1961 PP 107-114
BY RITTER, D. M. DDC NR. 213263
CONTRACT NR. AF 18(600)-1561
PROJ/TASK NR. 9762-37620

AFOSR TN 59-912
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
CONCERNING ESTABLISHMENT OF THE GROTH INSTITUTE AND REVISION OF GROTH-S CHEMISCHE KRYSTALLOGRAPHIE APR 1958
BY PEPINSKY, R. DDC NR. 221900
CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-913
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PRELIMINARY MEMORANDUM CONCERNING ABSTRACTING AND PROCESSIN OF DATA FOR GROTH-S ENCYCLOPEDIA OF CHEMICAL AND PHYSICAL CRYSTALLOGRAPHY, REVISED ED, MAR 1958
BY PEPINSKY, R DDC NR. 220903
VAND, V. CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-914
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
LIST OF DIFINITIONS OF ABBREVIATIONS FOR PERIODICALS APR 58
BY PEPINSKY, R DDC NR. 220904
VAND, V. CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-915
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
ILLUSTRATIONS OF NEW PHOTOELECTRIC GONIOMETER OFR AUTOMATIC RECORDING OF CRYSTAL MORPHOLOGY IN THE FORM OF STEROGRAPHIC PROJECTIONS APR 1958
BY PEPINSKY, R DDC NR. 220905
DRENCK, K CONTRACT NR. AF 49(638)-416
DIAMANT, H PROJ/TASK NR. 9760-37601

AFOSR TN 59-916
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
CONCERNING APRIL 25-26 CONFERENCE AT THE PENNSYLVANIA STATE UNIVERSITY MAY 1958
BY PEPINSKY, R DDC NR. 220906
CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-917
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PRELIMINARY EXPERIMENTAL ABSTRACT ON AMMONIUM SULFATE AUG 1958
BY PEPINSKY, R DDC NR. 220907
VAND, V CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-918
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
DIFINITIONS AS OF JUNE 11, 1958 FOR ABSTRACTING FOR THE GROTH INSTITUTE JUN 1958
BY PEPINSKY, R DDC NR. 220908
VAND, V CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-919
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE IBM CARD LITERATURE IMAGE <STAGE I> OF A SECTION OF THE BARKER INDEX, TETRAGONAL STRUCTURES AUG 1958
BY VAND, V DDC NR. 220909
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-920
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE PROPER SORT <STAGE I> OF A SECTION OF THE BARKER INDEX, TETRAGONAL STRUCTURES AUG 1958
BY VAND, V DDC NR. 220910
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-921
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
OPERATIONAL NOTES FOR IBM CARD OPERATORS SEP 1958
BY VAND, V. DDC NR. 220911
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-922
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
EXAMPLE OF FIVE GROTH INSTITUTE REQUEST REPORTS DEC 1958
BY VAND, V DDC NR. 220912
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-923
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
TETRAGONAL STRUCTURES ARRANGED ACCORDING TO INCREASING CRYSTAL CELL RATIOS DEC 1958
BY VAND, V DDC NR. 220913
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-924
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
LIST OF CODE WORDS FOR PERIODICALS AND SOME COMMENTS ON OTHER REFERENCE SYMBOLS MAR 1958
BY RUEDRGER, M DDC NR. 220914
VAND, V CONTRACT NR. AF 49(638)-416
PEPINSKY, R PROJ/TASK NR. 9760-37601

AFOSR TN 59-925
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE LITERATURE IMAGE <REPORT NO. 2L> OF HEXAGONAL CRYSTALS IN THE BARKER INDEX OF CRYSTALS, VOLUME 2, PART II MAR 59
BY VAND, V. DDC NR. 220915
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-926
PENNSYLVANIA STATE UNIV UNIVERISTY PARK
SPECIFICATIONS FOR THE GROTH INSTITUTE IBM 704 PROGRAMS MAR 1959
BY VAND, V DDC NR. 220916
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-927
COLUMBIA UNIV
ENERGY METHODS FOR THE ANALYSIS OF TEMPERATURE DISTRIBUTION DISTRIBUTIONS AND THERMAL STRESSES IN STRUCTURES MAY 1959
BY HERRMANN G DDC NR. 213675
ARMENAKAS A E <P.I.> CONTRACT NR. AF 49(638)-430
PROJ/TASK NR. 9782-37717

AFOSR TN 59-928
POLYTECHNIC INST OF BROOKLYN NY
INVESTIGATION OF THE HEAT TRANSFER AND PRESSURE DISTRIBUTIO FOR SEVERAL GENERATORS <U> CONFIDENTIAL REPORT APR 1959
BY ZAKKAY, V. DDC NR. 306306
MACKENZIE, D. A. CONTRACT NR. AF 49(638)-445
PROJ/TASK NR. 9781-37712

AFOSR TN 59-929
POLYTECHNIC INST OF BROOKLYN NY
HIGH ORDER CORRECT DIFFERENCE SCHEMES FOR MULTI-DIMENSIONAL PARABOLIC EQUATIONS MAR 1959
BY RADOK, J. R. M. DDC NR. 213676
WANG, K. CONTRACT NR. AF 49(638)-302
PROJ/TASK NR. 9782-37717

AFOSR TN 59-930
YALE UNIV, NEW HAVEN CONN
ON THE INVERSE FUNCTION THEOREM IN BANACH ALGEBRAS APR 59
GOLDEN JUBILEE COMMEMORATION VOL<1958-59> CALCUTTA MATH SOC P 69-69
BY MILLE, E. DDC NR. 213651
RICKERT, C. E CONTRACT NR. AF 49(638)-226
PROJ/TASK NR. 9750-19752

AFOSR TN 59-931
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
SOME EIGENVALUE ESTIMATES APR 1959
J&NAL MATH T..'59-60..1959
BY NEHARI Z DDC NR. 213652
CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-37727

AFOSR TN 59-932
CALIFORNIA UNIV OF BERKELEY,
INELASTIC FINAL-STATE INTERACTIONS,0 K-ABSORPTION IN IN DEUTERIUM 1959
PHYS REV 115 1098-1069 AUG 1959
BY KARPLUS, R. DDC NR. 213653
RODBERG, S. CONTRACT NR. AF 49(638)-527
PROJ/TASK NR. 9750-37500

AFOSR TN 59-933
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
DEC. 58, ON THE QUESTION OF THE EXISTENCE OF ROD-LIKE-CONES IN THE HUMAN RETINA.
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XIII, NOV DEC 58, 538-545
BY RONCHI, L. DDC NR. 213654
BITTINI, M. CONTRACT NR. AF 61(052)-17
TORALDO DI FRANCIA G PROJ/TASK NR. 9777-37700

AFOSR TN 59-934
ISTITUTO NAZIONALE DI OTTICA FLORENCE ITALY
ON THE FACTORS WHICH INFLUENCE THE HUMAN SCOTOPIC ELECTRORETINOGRAM AT DIFFERENT LUMINANCE LEVELS
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XIII, JULY-AUG 518-529
BY BITTINI, M. DDC NR. 213655
RONCHI, L. CONTRACT NR. AF 61(052)-17
TORALDO DI FRANCIA G PROJ/TASK NR. 9777-37700

AFOSR TN 59-935
ISTITUTO NAZIONALE DI OTTICAL FLORENCE ITALY
THE TOTAL TIME OF VARIATION OF THE LUMINANCE AS FACTOR AFFECTING THE HUMAN SCOTOPIC ELECTRORETINOGRAM
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XIII NOV DEC 58 517-518
BY RONCHI, L DDC NR. 213656
TORALDO DI FRANCIA G CONTRACT NR. AF 61(052)-17
PROJ/TASK NR. 9777-37700

AFOSR TN 59-936
ISTITUTO NAZIONALE DI OTTICA, FLORENCE ITALY
ON THE CORRECTION OF THE DISTORTED ELECTRORETINOGRAPHIC RECORDS
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XIII NOV-DEC 58 533-537
BY BITTINI, M. DDC NR. 213657
TORALDO DI FRANCIA G CONTRACT NR. AF 61(052)-17
PROJ/TASK NR. 9777-37700

AFOSR TN 59-937
MAX-PLANCK INST FUR STROMUNGSTECHNIK GOTTINGEN GERM
JAN 1959 THE SCATTERING OF SOUND BY A SINGLE VORTEX AND BY TURBULENCE
BY MULLER, E. A. DDC NR. 213658
MATSCHAT, K. R. CONTRACT NR. AF 61(514)-1149
TOLLMIEN, W.<P.I.> PROJ/TASK NR. 9781-37712

AFOSR TN 59-938
POLITECNICO DI TORINO, ITALY
FEB 59 ON THE STEADY AND NON-STEADY TRANSONIC FLOW WITH WITH ATTACHED SHOCK WAVE <M 1> NEW RESULTS AND CONJECTURE
BY FERRARI, C. DDC NR. 213659
CONTRACT NR. AF 61<514>-1124
PROJ/TASK NR. 9781-37712

AFOSR TN 59-939
POLITECHNICO DI TORINO, ITALY
FEB 1959 AERODYNAMIC FIELD NEAR THE STAGNATION POINT OF A BLUNT SYMMETRICAL AIRFOIL IN HYPERSONIC FLOW WITH V NEAR UNITY
BY RUGGIA, A. DDC NR. 213660
FERRARI, C. <P.I.> CONTRACT NR. AF 61<514>-1124
PROJ/TASK NR. 9781-37712

AFOSR TN 59-940
KAROLINSKA INST STOCKHOLM SWEDEN
BIOPHYSICAL AND NEUROPHYSILOGICAL STUDIES OF NERVE CELL ACTIVITY RESEARCH REPROT FOR 1958
BY BERNHARD, C. G.<P.I.>DDC NR. 206326
CONTRACT NR. AF 61<052>-21
PROJ/TASK NR. 9777-37702

AFOSR TN 59-941
KAROLINSKA INST STOCKHOLM SWEDEN
DYNAMICAL ASPECTS OF A METHOD IN TRACER KINETICS DEC 1958
BY BERGNER, P E DDC NR. 213661
BERNHARD, C. G.<P.I.#CONTRACT NR. AF 61<052>-21
PROJ/TASK NR. 9777-37700
PROJ/TASK NR. 9777-37702

AFOSR TN 59-942
HEBREW UNIV, JERSALEM, ISRAEL
DEC 1958 ANALYTIC FUNCTIONS OF THE CALSSES L2 AND E2 AND THEIR KERNEL FUNCTIONS
BY MASCHLER, M. DDC NR. 213662
AGMON, S. <P.I.> CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9783-37727

AFOSR TN 59-943
HEBREW UNIV JERUSALEM, ISRAEL
FEB 1959 ON THE ITERATION PRODUCT OF SUMMABILITY METHOD NEW NEW CLASSES OF TRANSFORMATIONS AND THEIR PROPERTIES
BY JAKOBOVSKI, A. DDC NR. 213663
AGMON, S. <.P.>. CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9783-37727

AFOSR TN 59-944
HEBREW UNIV, JERUSALEM, ISRAEL
FEB 1959, ON DIVERGENCE OF RANDOM POWER SERIES
BY DVORETZKY, A. DDC NR. 213664
ERDOS, P. CONTRACT NR. AF 61<052>-187
AZMON, S. <P.I.> PROJ/TASK NR. 9783-37727

AFOSR TN 59-945
CAMBRIDGE UNIV OF ENGLAND
STRUCTURAL INVESTIGATIONS, BY X-RAY DIFFRACTION METHODS OF TRANSITION-METAL ALLOYS, SUMMARY REPROT, 1JAN -51 DEC 58.
BY TAYLOR, W H DDC NR. 206283
BLACK, P. J.<P.I.> CONTRACT NR. AF 61<052>-50
PROJ/TASK NR. 9760-37601

AFOSR TN 59-946
CAMBRIDGE UNIV OF ENGLAND
THE CRYSTAL STRUCTURE OF NH4SAL1?
ACTA CRYSTAL 12 393-396 1959
BY TAYLOR W A DDC NR.
BLACK, P.J.<P.I.> CONTRACT NR. AF 61<052>-50
TAYLOR, W. H . PROJ/TASK NR. 9760-37601

AFOSR TN 59-947
CAMBRIDGE UNIV, ENGLAND
ON AN ANALYTIC APPROXIMATION TO THE ATOMIC SCATTERING FACTOR
ACTA CRYSTAL 12 612-619 1959
BY FORSYTH, J B DDC NR.
WELLS, M. CONTRACT NR. AF 61<052>-50
TAYLOR, W MCP.I.> PROJ/TASK NR. 9760-37601
BLACK, P. J.<P.I.>

AFOSR TN 59-948
CONSERVATOIRE NAT DES ARTS-ET-METIERS, PARIS, FRANCE
STUDIES OF DISLOCATIONS IN METALS BY X-RAY METHODS, ANNUAL SUMMARY REPORT NO.1, JAN.1 1958 THROUTH JAN. 1 1959.
BY GUINIER, A. DDC NR. 213668
CONTRACT NR. AF 61<052>-51
PROJ/TASK NR. 9769-37631

AFOSR TN 59-949

PERFORMANCE OF CLOSED-LOOP FLIP-FLOP CONTROL SYSTEMS IN MISSILES AND ROCKETS
J AEROSPACE SCI 27 841-859 NOV 1960
BY ROGERS M. DDC NR. 213677
SHAPIRO G. CONTRACT NR.
PROJ/TASK NR.

AFOSR TN 59-950
POLYTECHNIC INST OF BROOKLYN NY
AN EXPERIMENTAL INVESTIGATION OF THE REDUCTION OF AERODYNAM HEATING TO A .9° FEB 1960 AND 20° BLUNTED CONE AT M00 &AND 8 CONFIDENTIAL REPORT DOWNGRADED TO UNCLASSIFIED 27 MAR 63
BY ZAKKAY, V. DDC NR. 315691
FERRI, A. <P.I.> CONTRACT NR. AF 49<638>-449
PROJ/TASK NR. 9781-37712

AFOSR TN 59-951
POLYTECHNIC INST OF BROOKLYN NY
AN INVESTIGATION OF THE ADVANTAGEOUS USE OF INTERFERENCE EFFECTS IN THE DESIGN OF SUPERSONIC INLETS. PART III. EXPERIMENTAL RESULTS OF A WING-ROOT, FIVE SHOCK INLET AT A MACH NUMBER OF 3.09 <U> CONFIDENTIAL REPORT
BY MARTELLUCCI, A. DDC NR. 306309
FERRI, A. <P.I.> CONTRACT NR. AF 49<638>-449
PROJ/TASK NR. 9781-37712

AFOSR TN 59-954
POLYTECHNIC INST OF BROOKLYN NY
TRANSONIC ROTATIONAL FLOW OVER A CONVEX CORNER
J FLUID MECH 9 81-103 SEP 1960
BY VAGLIO-LAURIN, R. DDC NR. 264489
FERRI, A. <P.I.> CONTRACT NR. AF 49<638>-217
PROJ/TASK NR. 9781-37712

AFOSR TN 59-956
POLYTECHNIC INST OF BROOKLYN NY
ON A NEW APPROACH FOR THE SOLUTION OF NON-SIMILAR BOUNDARY LAYER PROBLEMS MAR 1960
BY NAPOLITANO, L. G. DDC NR. 238697
FERRI, A. CONTRACT NR. AF 49<638>-449
PROJ/TASK NR. 9781-37712

AFOSR TN 59-958
POLYTECHNIC INST OF BROOKLYN NY
ON THE INTEGRAL OF MOMENT OF PRESSURE IN SUPERSONIC FLOW
J AERO/SP SCI 26 798-799 NOV 1959
BY TING, L. DDC NR. 213684
FERRI, A . <P.I.> CONTRACT NR. AF 49<638>-449
PROJ/TASK NR. 9781-37712

AFOSR TN 59-959
CHICAGO UNIV OF, ILL
FUNCTION SPACES AND DUALITY MAR1959
BY SPANIER E. H. DDC NR. 213669
CONTRACT NR. AF 49<638>-393
PROJ/TASK NR. 9789-37727

AFOSR TN 59-960
RENSSELAER POLYTECHNIC INST TROY NY
HARMONIC AND SUBHARMONIC RESPONSE OF AN ON-OFF CONTROL SYSTEM TO SINUSOIDAL INPUTS APR 1959
J FRANKLIN INST 270 99-119 AUG 1960
BY FLEISHMAN, B A DDC NR. 213670
CONTRACT NR. AF 49<638>-916
PROJ/TASK NR. 9781-37712

AFOSR TN 59-961
CHICAGO UNIV OF, ILL
SIMPLICIAL TOPOLOGY I MAR 1959
BY MACLANE S. DDC NR. 213671
YAO J PROJ/TASK NR. AF 18<600>-1381
PROJ/TASK NR.

AFOSR TN 59-962
DUKE UNIV DURHAM NOR CAR
A NOT EON THE ACIALLY SYMMETRICAL PUNCH PROBLEM MAR 1959
BY SNEDDON, I N DDC NR. 213672
GERGEN, J J<P.I.> CONTRACT NR. AF 18<600>-1361
PROJ/TASK NR. 9783-37727

AFOSR TN 59-963
DUKE UNIV DURHAM N C
THE ELEMENTARY SOLUTION OF SOME DUAL INTEGRAL EQUATIONS MAR 1959
PROC GLASGOW MATH ASSOC 4 108-110 1960
BY SNEDDON, I N DDC NR. 213673
GERGEN, J J<P.I.> CONTRACT NR. AF 18<600>-1361
PROJ/TASK NR. 9783-37727

AFOSR TN 59-964
GENERAL ATOMIC SAN DIEGO, CALIF
PART I-FORMATION OF FREE RADICAL SOLIDS USING ATOMIC BEAM TECHNIQUES PART II-MEASUREMENT OF VAPOR PRESSURE OF HYDROGE AT TEMPERATURES BETWEEN 9 AND 10° K, JUL 1959
BY FITE, W. L. DDC NR. 213674
CUTHRIE, G. L. CONTRACT NR. AF 49<638>-301
PROJ/TASK NR. 9750-37501

AFOSR TN 59-965
ARMOUR RSCH FOUNDA CHICAGO
REVIEW OF RADIATION CHEMISTRY PAPERS PRESENTED AT THE 2ND GENEVA CONFERENCE <MISPRINTED AFOSR TN 59-36
BY FENG, P Y DDC NR. 231085
CONTRACT NR. AF 18<603>-121
PROJ/TASK NR. 9762-37620

AFOSR TN 59-966
CALIFORNIA UNIV OF BERKELEY
THEORY OF MASER OSCILLATION
J APPL PHYS 30 1691-1692 SEP 1959
BY EPMP, J. C. DDC NR. 291273
WHINNERY, J R<P.I.> CONTRACT NR. AF 49<638>-102
PROJ/TASK NR. 9768-37650

AFOSR TN 59-967
STANFORD RSCH INST MENLO PARK CALIF
LUMINESCENCE OF SOLIDS PRODUCED BY SURFACE RECOMBINATION OF ATOMS
J CHEM PHYS 30 1999-1956 MAY 1959
BY SANCIER, K M DDC NR.
FREDERICKS, W J CONTRACT NR. AF 49<638>-349
WISE, H PROJ/TASK NR. 9760-37611

AFOSR TN 59-969
YALE UNIV NEW HAVEN CONN
EFFECTS OF ATOMIC ELECTRONS ON P-P AND N-P SCATTERING
PHYS REV LTRS 2 401-402 MAY 1959
BY BREIT, G. DDC NR. 213861
CONTRACT NR. AF 18<600>-771
PROJ/TASK NR. 9750-37500

AFOSR TN 59-970
CHICAGO UNIV OF, ILL
ON TH PRESERVATION OF CLASSES OF FUNCTIONS APR 1959
JOURNAL MATH, &MECH 8,.889-896,.NOV 1959
BY ZYGMUND A. DDC NR. 213860
CONTRACT NR. AF 49<638>-491
PROJ/TASK NR. 9769-37650

AFOSR TN 59-971
CHICAGO UNIV OF, ILL
ON THE EXISTENCE OF CONJUGATE FUNCTIONS OF HIGHER ORDER APR 1959
BY WEISS M DDC NR. 213859
ZYGMUND A CONTRACT NR. AF 49<638>-491

AFOSR TN 59-372
MARYLAND UNIV OF COLLEGE PARK
EXACT BOUNDS FOR SOLUTIONS OF HYPERBOLIC EQUATIONS BY FINITE DIFFERENCE METHODS MAR 1959
BY WEINBERGER, H F — DDC NR. 213098
WEINSTEIN, A<P,I.> — CONTRACT NR. AF 49<638>-2288
PROJ/TASK NR. 9783-37727

AFOSR TN 59-373
CHICAGO UNIV OF, ILL
SINGULAR INTEGRALS APR 1959
BY MORLEY V, E, — DDC NR. 213097
ZYGMUND A <P,I.> — CONTRACT NR. AF 49<638>-451
PROJ/TASK NR. 9769-37650

AFOSR TN 59-376
CHICAGO UNIV OF ILL
NOTE ON THE FUSION FREQUENCY FOR STIMULI OF ALTERNATING DURATION
BUL MATH BIOPHYS 21 283-287 1959
BY LANDAU, H D — DDC NR. 213036
CONTRACT NR. AF 49<638>-414
PROJ/TASK NR. 9777-37703

AFOSR TN 59-379
CHICAGO UNIV OF ILL
AN APPROACH TO COMPUTERS THAT PERCEIVE, LEARN, AND RESON
PROC WESTERN JNT/JOINT COMPUTERS CONF MAR 1959 SAN FRANCISC CALIF
BY GREENE, P H — DDC NR. 213059
LANDAU, H L<P,I.> — CONTRACT NR. AF 49<638>-414
PROJ/TASK NR. 9777-37703

AFOSR TN 59-376
MILAN UNIV OF ITALY
REGOLAZIONE DEL RITMO DI SCARICA DEL MOTONEURONE SPINALE PER MEZZO DEL INIBIZIONE ANTIDROMICA DI RENSHAW
RENDICONI
RENDICONTI DELL-ACCAD NAZ DEI LINCEI, SERIE VIII, V,XXIV, FASC, 6 GIUGNO 1958 P, 766-768
BY GUALTIEROTTI, T — DDC NR.
SPINELLI, D — CONTRACT NR. AF 61<052>-23
FIORENTINI, A — PROJ/TASK NR. 9777-37701
MARGARIA, R <P,I.>

AFOSR TN 59-377
MILAN UNIV OF ITALY
RISPOSTE ROTATORIE E POSTROTATORIE CEREBELLARI E NISTAGMO NUCALE DEL PICCIONE CEREBELLA RESPONSE TO ROTATION IN THE PIGEON
RENDICONTI DELL- ACCADEMIA NAZIONALE DEI LINCEI SERIES VIII FASC 3-4, SET-OTT 58 PP, 219-223
BY GUALTIEROTTI T — DDC NR.
PASSERINI D — CONTRACT NR. AF 61<052>-23
MARGARIA S R — PROJ/TASK NR. 9777-37701

AFOSR TN 59-378
MILAN UNIV OF ITALY
SOGLIA CEREBELLARE ALLE ACCELERAZIONI ROTATORIE E SOMMAZIONE TEMPORALE NEL PICCIONE VIAGGIATORE CEREBELLAR THRESHOLD TO ROTARY AND TEMPORAL SUMMATION IN THE HOMING PIGEON
RENDICONTI DELL- ACCADEMIA NAZIONALE DEI LINCEI SERIE VIII, XXV, FASC, 1-2 LUG AG,58, PP, 115-118
BY GUALTIEROTTI T — DDC NR.
PASSERINI D — CONTRACT NR. AF 61<052>-23
MARGARIA S R — PROJ/TASK NR. 9777-37701

AFOSR TN 59-379
MILAN UNIV OF ITALY
MODIFICAZIONI INDOTTE DAI CURARI SULLA ATTIVITA DEI BASSI NEURONI SPINALI NELL-UOMO MODIFICATIONS INDUCED BY CURARE IN THE ACTIVITY OF THE BASAL SPINAL NEURONS IN MAN
SIMPOSIO INTERNAZIONALE SU CURARO CURAROSIMILI E CURARIZZAN VENEZIA 12-15 SETT, 1958
BY SPINELLI D — DDC NR. 219582
GUALTIEROTTI T — CONTRACT NR. AF 61<052>-23
MORPURGO C — PROJ/TASK NR. 9777-37101
MARGARIA R<P,I.>

AFOSR TN 59-380
ILLINOIS UNIV OF URBANA
JAN, 1959, COMPRESSIBLE NON-ISOENERGETIC TWO-DIMENSIONAL TURBULENT <PR T 1> JET MIXING AT CONSTANT PRESSURE, AUXILIARY INTEGRALS HEAT TRANSFER AND FRICTION COEFFICIENTS FOR A FULLY DEVELOPED MIXING PROFILES,
BY KORST H, H, — DDC NR. 211320
CHOW W, L, — CONTRACT NR. AF 18<600>-392
PROJ/TASK NR. 9781-37712

AFOSR TN 59-381
BROWN UNIV PROVIDENCE RI
INVESTIGATIONS ON RECRYSTALLIZATION AND RECOVERY OF STRAINE ALUMINUM SINGLE CRYSTALS APR 1959
BY GREEN, R E — DDC NR. 214005
YOSHIDA, H — CONTRACT NR. AF 49<638>-479
LIEBMANN, B G — PROJ/TASK NR. 9760-37601
ELBAUM, C<P,I.>

AFOSR TN 59-382
BROWN UNIV PROVIDENCE, R I
INFLUENCE OF BOUNDARY ORIENTATION ON GROWTH RATES IN RECRYSTALLIZATION APR 1959
BY YOSHIDA, H — DDC NR. 214009
PITULA, N — CONTRACT NR. AF 49<638>-479
LIEBMANN, B — PROJ/TASK NR. 9760-37601
ELBAUM, C<P,I.>

AFOSR TN 59-383
MARYLAND UNIV OF COLLEGE PARK
THE EFFECT ON SUPERCONDUCTIVITY OF AN INTERACTION BETWEEN CONDUCTION AND AF ELECTRONS MAR 1959
BY PERETTI J — DDC NR. 214010
MARADUDIN A — CONTRACT NR. AF 18<600>-1315
CONTRACT NR. AF 49<638>-399
MONTROLL E W — PROJ/TASK NR. 9751-37511
PROJ/TASK NR. 9769-37691

AFOSR TN 59-384
NORTH CAROLINA UNIV OF CHAPEL HILL
A NOTE ON TESTING VARIOUS KINDS OF ASSOCIATION UNDER A MULTIVARIATE NORMAL LINEAR MODEL MAR 1959
BY ROY, S, N, — DDC NR. 214191
BOSE, R, C,<P,I.> — CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37650

AFOSR TN 59-385
AVCO EVERETT RSCH LABORATORY, EVERETT, MASS
FEB 1959 PLASMA PROPULSION DEVICES FOR SPACE FLIGHT
IRE TRANSACTIONS ON MILITARY ELECTRONI
BY CAMAC, M, — DDC NR. 213089
KANTROWITZ, A, — CONTRACT NR. AF 49<638>-61
PETSCHEK, H, E, — PROJ/TASK NR. 9751-37510
PATRICK, R M <P,I.>

AFOSR TN 59-386
PISA UNIV OF ITALY
ELETTROENCEFALOGRAMMA E COMPORTAMENTO DOPO LESIONI CRONICHE DELLA SOSTANZA RETICOLARE E DELLE VIE DELLA SENSIBILITA SPECIFICA ELECTROENCEPHALOGRAPH AND BAHAVIOR AFTER CHRONIC LESIONS OF THE RETICULAR SUBSTANCE AND OF SPECIFIC SENSORY TRACTS
ATTI DEL CONVEGNO DI PARMA PP 131-151 23-24 NOV 1957
BY ROSSI G F — DDC NR,
MORUZZI, G<P,I.> — CONTRACT NR. AF 61<514>-1125
PROJ/TASK NR. 9777-37700

AFOSR TN 59-387
PISA UNIV OF ITALY
RECENTI CONTRIBUTI ALLA FISIOLOGIA DEL SONNO RECENT CONTRIBUTIONS TO THE PHYSIOLOGY OF SLEEP
ATTI DELLA SOC LOMBARDA DI SCI MED BIOL V,XIII, SUPPL, <1958>
BY MORUZZI G — DDC NR.
ROSSI G F — CONTRACT NR. AF 61<514>-1125
ZANCHETTI A — PROJ/TASK NR. 9777-37700

AFOSR TN 59-388
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
STEREOSPECIFIC TRANS RADICAL ADDITION OF DBR TO THE 2-BUTEN SYNTHESES OF ERYTHO-AND THREO-3-DEUTERO-2-BROMOBUTANES MAR 1959
ACS CHI SEP 58
BY SKELL, P — DDC NR. 214508
ALLEN, R, G — CONTRACT NR. AF 49<638>-497
PROJ/TASK NR. 9760-37600

AFOSR TN 59-389
RENSSELAER POLYTECHNIC INST TROY, NY
NON-EQUILIBRIUM FLOW IN GAS DYNAMICS MAY 1959
BY LI, T, Y, — DDC NR. 213093
CONTRACT NR. AF 18<600>-1501
PROJ/TASK NR. 9781-37713

AFOSR TN 59-390
ALLIED RSCH ASSOCIATES, INC, BOSTON, MASS
STAGNATION POINT MELTING AND ABLATION MAR 1959
BY GOODMAN, T, R, — DDC NR. 213096
CHIN C — CONTRACT NR. AF 49<638>-367
PROJ/TASK NR.

AFOSR TN 59-391
INST FOR ADVANCED STUDY, PRINCETON, N,J,
ON INTERSECTIONS OF SIMILAR SETS MAR 1959
BY GRUNBAUM, B, — DDC NR. 214511
MORSE, M, <P,I.> — CONTRACT NR. AF 49<638>-253
BURLING, A<P,I.> — PROJ/TASK NR. 9769-37650

AFOSR TN 59-392
WASHINGTON UNIV ST LOUIS MO
HYPERFINE SPECTRA OF SOME DEUTERIUM SUBSTITUTED TRIPHENYL-METHYLS I
J CHEM PHYS 30 1364-1365 MAY 1959
BY REITZ, D, C, — DDC NR. 203091
NORBERG, R, <P,I.> — CONTRACT NR. AF 49<638>-464
WEISSMAN, S I — PROJ/TASK NR. 9751-37511

AFOSR TN 59-393
BROWN UNIV PROVIDENCE, RI
THE EFFECT OF PRESSURE ON THE VISCOSITY OF N2-CO2 MIXTURES
BY KESTIN, J, — DDC NR. 214513
LEIDENFROST, W, — CONTRACT NR. AF 18<600>-891
PROJ/TASK NR. 9751-37511

AFOSR TN 59-394
BROWN UNIV PROVIDENCE RI
THE VISCOSITY OF HELIUM
PHYSICA 25 537-555 1959
BY KESTIN, J, — DDC NR. 214514
LEIDENFROST, W, — CONTRACT NR. AF 18<600>-891
PROJ/TASK NR. 9751-37511

AFOSR TN 59-396
OHIO STATE UNIV COLUMBUS
SOME DISCRIPTIVE ASPECTS OF TWO-PERSON NON-ZERO-SUM GAMES
CONFLICT RESOLUTION 3 714-719 JUN 1959
BY SCODEL, A, — DDC NR. 232946
MINAS, J S — CONTRACT NR. AF 49<638>-317
RATOOSH, P — PROJ/TASK NR. 9778-37707
LIPETZ, M

AFOSR TN 59-397
KENT STATE UNIV OHIO
PROTON MAGNETIC RESONANCE STUDY OF LITHIUM SULFATE MONOHYDRATE
J CHEM PHYS 31 1464-1469 DEC 1959
BY MCGRATH, J, W, — DDC NR. 232979
SILVIDI, A, A, — CONTRACT NR. AF 49<638>-168
CARROLL, J, C, — PROJ/TASK NR. 9768-37650

AFOSR TN 59-398
WASHINGTON UNIV OF SEATTLE
GAS-LIQUID FRACTOMETRIC ANALYSIS OF MIXTURES CONTAINING METHYLDIBORANES JUN 1959
BY SEELY, G R — DDC NR. 214518
OLIVER, J P — CONTRACT NR. AF 18<600>-1461
RITTER, D M — PROJ/TASK NR. 9762-37620

AFOSR TN 59-599
BROWN UNIV PROVIDENCE, R I
MULTIPLE SCATTERING OF ELASTIC WAVES INVOLVING MODE CONVERSION MAY 1959
BY RAPHAEL, B — DDC NR. 216519
TRUELL, R. — CONTRACT NR. AF 49(638)-690
TRUELL, R.<P,I,> — PROJ/TASK NR. 9760-37631
MYLONAS, E.<P,I,>

AFOSR TN 59-600
CHICAGO UNIV OF, ILL
A NOTE ON SMOOTH FUNCTIONS 1959
PROC, KONINKL, NEDERL, A RAD VAN WETENSCHAPPEN, SER, A.62, NO,/AND INDAG, MATH,,210/1959
BY WEISS M — DDC NR. 216520
ZYGMUND A — CONTRACT NR. AF 49(638)-691
PROJ/TASK NR. 9760-37650

AFOSR TN 59-601
NORTH CAROLINA UNIV CHAPEL HILL
ON THE CONSTRUCTION OF SETS OF PAIRWISE ORTHOGONAL LATIN AND THE FALSITY OF A CONJECTURE OF EULER
BY BOSE, R. C. — DDC NR. 216521
SHRIKHANDE, S. S. — CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37650

AFOSR TN 59-602
STANFORD UNIV CALIF
ON THE DEGREE OF APPROXIMATION BY BERNSTEIN POLYNOMIALS MAY 1959
BY DE LEEUW, K. — DDC NR. 216522
CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37659

AFOSR TN 59-603
DUKE UNIV DURHAM N C
ON THE NUMERICAL SOLUTION OF A NON-LINEAR, FIRST ORDER DIFFERENTIAL EQUATION MAR 1959
BY DOUGLIS, J — DDC NR. 216523
GERGEN, J J<P,I,> — CONTRACT NR. AF 18(600)-1941
PROJ/TASK NR. 9783-37727

AFOSR TN 59-604
PURDUE UNIV LAFAYETTE IND
REFLECTANCE SPECTRA OF PRASEODYMIUM OXIDES IN THE RANGE PR 2^3 TO 6 11 MAR 1958
BY VRATNY, F — DDC NR. 216524
TSAI, H — CONTRACT NR. AF 18(603)-65
MORIS, J H — PROJ/TASK NR. 9760-37601
CLIFFORD, F C <P,I,>

AFOSR TN 59-605
MARYLAND UNIV OF COLLEGE PARK
SOME ASPECTS OF A THREE-BODY PROBLEM MAR 1959
BY OERTEL, G. E. — DDC NR. 216502
SINGER, S. F. — CONTRACT NR. AF 49(638)-930
PROJ/TASK NR. 9776-37665

AFOSR TN 59-606
RENSSELAER POLYTECHNIC INST TROY NY
PROBLEMS IN THE DYNAMICS OF ELASTIC SYSTEMS UNDER INIAL STRESS MAY 1959
BY TU, Y. — DDC NR. 216503
HARDELAAN, G H — CONTRACT NR. AF 18(600)-1986
PROJ/TASK NR. 9782-37717

AFOSR TN 59-607
MARYLAND UNIV OF COLLEGE PARK
ELECTRON SPIN RESONANCE OF ULTRAVIOLET IRRADIATED COMPOUNDS 1, UNSATURATED HYDROCARBONS MAY 1959
J CHEM PHYS 31 946-956 AUG 1959
BY POOLE, C. P. — DDC NR. 216504
ANDERSON, R. S. — CONTRACT NR. AF 18(600)-1982
PROJ/TASK NR. 9791-37911

AFOSR TN 59-608
CALIFORNIA UNIV OF BERKELEY
THE BANG BANG SERVE PROBLEM TREATED BY VARIATIONAL TECHNIQUES
INFOR AND CONTROL 2 339-348 1959
BY DESOER, C. A. — DDC NR. 230967
JURY, E. I. <P,I,> — CONTRACT NR. AF 18(600)-1921
PROJ/TASK NR. 9760-37650

AFOSR TN 59-609
ROME UNIV OF ITALY
THE EQUIELASTIC MODELING TECHNIQUE IN BLOW-DOWN WIND TUNNEL TESTS- DATED DECEMBER 1958
BY BAGLIO, L. — DDC NR. 216506
CONTRACT NR. AF 61(514)-800
PROJ/TASK NR. 9782-37710

AFOSR TN 59-611
UPPSALA UNIV SWEDEN
A MICROSCOPE FOR THE SCANNING OF NUCLEAR RESEARCH EMULSIONS
BY ERSPONG, A C — DDC NR. 201902
ROMAN, B F — CONTRACT NR. AF 61(052)-19
PROJ/TASK NR. 9790-37900

AFOSR TN 59-612
UPPSALA UNIV SWEDEN
ANTIPROTON INTERACTION CROSS SECTIONS APR 1959
BY ERSPONG, A G — DDC NR. 201903
ROMAN, B E — CONTRACT NR. AF 61(052)-19
SIEGBAHN, B.<P,I,> — PROJ/TASK NR. 9790-37900

AFOSR TN 59-613
PURDUE UNIV, LAFAYETTE, IND
ON DIFFERENCES OF UNITARILY EQUIVALENT SELF-ADJOINT SPERATO MAY 1959
PROC GLASGOW MATH ASSOC 4 183-187 JAN 1960
BY PUTNAM, C. R. — DDC NR. 216930
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9782-37522

AFOSR TN 59-614
UPPSALA UNIV OF SWEDEN
BORIDES AND SILICIDES OF THE PLATINUM METALS
NATURE 183 1310-1319 MAY 1959
BY ARONSSON, B — DDC NR. 216561
ASELL, J — CONTRACT NR. AF 61(052)-60
STENBERG, E — PROJ/TASK NR. 9762-37621
HAGG, G<P,I,>

AFOSR TN 59-615
UPPSALA UNIV SWEDEN
AN X-RAY INVESTIGATION OF THE NICKEL-BORON SYSTEM THE CYRSTAL STRUCTURES OF ORTHORHOBIC AND MONOCLINIC NI4B3
ACTA CHEM SCAND 13 1199-1200 1959
BY RANDOVIST, S — DDC NR. 216562
HAGG, G. — CONTRACT NR. AF 61(052)-60
PROJ/TASK NR. 9762-37621

AFOSR TN 59-616
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE OF S STATE IONS IN STRONTIUM CHLORID
PHYS REV 116 621-629 NOV 1959
BY LOW, W. — DDC NR. 216563
ROSENBERGER, U — CONTRACT NR. AF 61(052)-99
PROJ/TASK NR. 9769-37691

AFOSR TN 59-617
PARIS UNIV OF FRANCE
ON THE DESCRIPTION OF UNSTABLE PARTICLES IN QUNATUM FIELD THEORY APR 1959
NUSBO CIM SER X 15 115
BY LEVY, M. — DDC NR. 216564
CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9790-37500

AFOSR TN 59-618
WESTERN RESERVE UNIV, CLEVELAND, O
THE APPLICATION OF STATISTICAL DECISION THEORY TO PROBLEMS OF DOCUMENTATION, MAR 1959
BY WADSWORTH H. M. — DDC NR. 219225
BOOTH R. F. — CONTRACT NR. AF 49(638)-357
GOFFMAN W <P,I,> — PROJ/TASK NR. 9769-37659

AFOSR TN 59-619
PISA UNIV OF ITALY
ATTIVITA ELETTRICA SPONTANEA DEI LOBI OTTICI DEL PICCIONE SPONTANEOUS ELECTRICAL ACTIVITY IN THE OPTIC LOBE IN THE PIGEON
BOLL SOC ITAL BIOL SPER V, XXX2V, P,17, 1958
BY BORRAZZO A — DDC NR.
MOLLICA A — CONTRACT NR. AF 61(514)-1125
MORUZZI G<P,I,> — PROJ/TASK NR. 9777-37700

AFOSR TN 59-620
PISA UNIV OF ITALY
1958, ANALISI ELETTROFISIOLOGICA DEI FENOMENI DI INTERAZION FRA I, LOBI OTTICI DEL PICCIONE DECEREBRATO
ELECTROPHYSIOLOGICAL ANALYSIS OF THE PHENOMENON OF INTERACTION BETWEEN THE OPTIC LOBES IN THE DECEREBRATE PIGEON
BELL SOC ITAL BIOL SPER V,XXXIV, P,17, 1958
BY BORRAZZO A — DDC NR.
MOLLICA A — CONTRACT NR. AF 61 (514)-1125
MORUZZI, G<P,I,> — PROJ/TASK NR. 9777-37700

AFOSR TN 59-621
JOHNS HOPKINS UNIV BALTIMORE, MD
THE USE OF S-MATRIX POLES IN THE DETERMINATION OF PARTIES MAY 1959
BY FELDMAN, G. — DDC NR. 216102
PEIERMER, A. <P,I,> — CONTRACT NR. AF 18(603)-163
PROJ/TASK NR. 9750-37500

AFOSR TN 59-623
ROCHESTER UNIV OF NY
THE PHOTOCHEMICAL TYPE II PRICESS IN 2PHENARONE S, S-D2 AN 2-METHANONE APR 1959
BY SRINIVASAN, R — DDC NR. 216771
MOYES, W. A. JR<P,I, — CONTRACT NR. AF 18(600)-1520
PROJ/TASK NR. 9760-37600

AFOSR TN 59-624
MARYLAND UNIV OF COLLEGE PARK
ON THE FLOW OF A CONDUCTING FLUID PAST A MAGNETIZED SPHERE APR 1959
BY LUDFORD, G. S. S. — DDC NR. 216776
MURRAY, J. D. — CONTRACT NR. AF 49(638)-144
PROJ/TASK NR. 4750-47500

AFOSR TN 59-625
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA,
ON A CLASS OF NON-LINEAR INTEGRAL EQUATIONS MAY 1959
MATH ZEITSCH 72 175-181 1959
BY REMARI Z. — DDC NR. 216775
CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-37727

AFOSR TN 59-626
MARYLAND UNIV OF COLLEGE APRK
HYPERBOLIC AND PARABOLIC EQUATIONS WITH SUBHARMONIC DATA MAR 1959
BY WEINSTEIN, A. — DDC NR. 216774
CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR TN 59-627
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURCES VOLUME VI - FUSION POWER APR 1959
BY HELLUND, E. J. — DDC NR. 216777
DUCATI, A.<P,I,> — CONTRACT NR. AF 49(638)-352
PROJ/TASK NR. 4750-47503

AFOSR TN 59-628
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURCES VOLUME IV - NUCLEAR FISSION REACTORS APR 1959
BY HELLUND, E. J. — DDC NR. 216778
DUCATI, A. C.<P,I,> — CONTRACT NR. AF 49(638)-352
PROJ/TASK NR. 4750-47503

AFOSR TN 59-629
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURCES
VOLUME III - DIRECT ELECTRICAL CONVERTERS APR 1959
BY MELLUND, E. J. DDC NR. 214779
DUCATI, A. C.<P.I.> CONTRACT NR. AF 49(638)-332
PROJ/TASK NR. 4750-47503

AFOSR TN 59-630
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURCES
VOLUME II - BATTERIES APR 1959
BY MELLUND, E. J. DDC NR. 214780
DUCATI, A. C.<P.I.> CONTRACT NR. AF 49(638)-332
PROJ/TASK NR. 4750-47503

AFOSR TN 59-631
FLORIDA UNIV OF GAINESVILLE
THE FORMATION OF LINEAR POLYMERS FROM DIENE MONOMERS BY A CYCLIC POLYMERIZATION MECHANISM. III. A STUDY OF THE STRUCT OF CYCLIC POLYMERS OF CERTAIN UNSYMMETRICAL 1,6 AND 1,7 - DIENES
JACS 81 5946-4949 NOV 1959
BY BARRETT, M D DDC NR. 232976
CRAWSHAW, A CONTRACT NR. AF 18(603)-116
BUTLER, G B PROJ/TASK NR. 9763-37630

AFOSR TN 59-632
AEROCHEM RSCH LABORATORIES, INC, PRINCETON, N.J.
REACTION RATE DISTRIBUTIONS ON CATALYTIC SURFACES DEC 1958
BY ROSNER, D. E. DDC NR. 214796
CALCOTE, H. F.<P.I.> CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9762-37620

AFOSR TN 59-633
WESTERN RESERVE UNIV CLEVELAND O
LOW-INTENSITY CONVERSION LINES FROM SM 151 AND SM 13
PHYS REV 114 197-142 APR 1959
BY ACMOR, W. T. DDC NR. 214795
MAJOR, J. S. <P.I.> CONTRACT NR. AF 18(603)-61
PHILLIPS, W. E. PROJ/TASK NR. 9750-37500

AFOSR TN 59-635
MARYLAND UNIV OF COLLEGE PARK
E-, E° RELATIVE PARITY FROM THE E--D CHARGE EXCHANGE REACTION APR 1959
BY DAY, T. B. DDC NR. 214797
SNOW, G. A. CONTRACT NR. AF 49(638)-26
SUCHER, J. PROJ/TASK NR. 9751-37512
TOLL, J. S. <P.I.>

AFOSR TN 59-636
CALIFORNIA UNIV OF BERKELEY, CZLIF
ANALYTIC PROPERTIES OF TRANSITION AMPLITUDES IN PERTURBATIO THEORY MAY 59
PHYS REV 115 1741-1751 SEP 1959
BY MANDELSTAM, S. DDC NR. 214798
KARPLUS, R.<P.I.> CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9750-37500

AFOSR TN 59-637
CALIFORNIA UNIV OF BERKELEY
CONSTRUCTION OF THE PERTURBATION SERIES FOR TRANSITION AMPLITUDES FROM THEIR ANALYTICITY AND UNITARITY PROPERTIES MAY 1959
PHYS REV 119 1752-1762 SEP 1959
BY MANDELSTAM, S. DDC NR. 214799
KARPLUS, R.<P.I.> CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9750-37500

AFOSR TN 59-638
BIAS INC BALTIMORE, MD
ASYMPTOTIC STABILITY IN 3-SPACE
CONTR TO THE THEORY OF NONLINEAR OSCILLATIONS V. 5 CHAP 12 P 257-280 1959
BY COLEMAN, C. DDC NR. 267250
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-639
BIAS INC BALTIMORE MD
THE LOCAL THEORY OF PIECEWISE CONTINUOUS DIFFERENTIAL EQUATIONS I IDEAL SYSTEMS
CONTRIBUTIONS TO THE THEORY OF NONLINEAR OSCILLATIONS 5 229-299 1959
BY ANDRE, J DDC NR. 267251
SEIBERT, P. CONTRACT NR. AF 49(638)-382
LEFSCHETZ, S. PROJ/TASK NR. 9783-37726

AFOSR TN 59-640
BIAS INC BALTIMORE, MD
THEN APPLICATION OF A FIXED POINT THEOREM TO A VARIETY OF NON-LINEAR STABILITY PROBLEMS APR 1959
BY STOKES, A DDC NR. 267252
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-641
BIAS INC BALTIMORE, MD
EXISTENCE THEOREMS FOR PERIODIC SOLUTIONS OF NONLINEAR LIPSCHITZIAN DIFFERENTIAL SYSTEMS AND FIXED POINT THEREMS APR 1959
BY CESARI, L DDC NR. 267253
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-82
PROJ/TASK NR. 9781-37726

AFOSR TN 59-642
BIAS INC BALTIMORE MD
ON THE STABILITY OF PERIODIC SOLUTIONS OF NEARLY NONLINEAR PERIODIC AND AUTONOMOUS DIFFERENTIAL SYSTEMS
CONTRIBUTIONS TO THE THEORY OF NONLINEAR OSCILLATIONS 5 91 1130 1959
BY HALE, J K DDC NR. 267254
LEFSCHETZ, S.<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-644
BIAS INC BALTIMORE MD
THE TIME OPTIMAL CONTROL PROBLEM
PROC NAS 45 573-577 APR 1959
BY LASALLE, J P DDC NR. 267256
LEFSCHETZ, S.<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-37726

AFOSR TN 59-645
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
A FURTHER NOTE ON HYPERSONIC STAGNATION POINT FLOW WITH A MAGNETIC FIELD APR 1959
BY ERMP, N. M. DDC NR. 214807
PATRICK, R M <P .I.> CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9762-37620

AFOSR TN 59-646
HEBREW UNIV JERUSALEM ISRAEL
A STOCHASTIC FACET THEORY OF SOCIAL INTERACTION IN THE DYAD APR 1959
BY FOA, U G DDC NR. 214808
ZACKS, S CONTRACT NR. AF 61(052)-121
GUTTMAN, L<P.I.> PROJ/TASK NR. 9778 37707

AFOSR TN 59-647
PISA UNIV OF ITALY
EFFECTS OF COMPLETE PONTINE TRANSECTIONS ON THE SLEEP WAKEFULNESS RHYTHM,+ THE MIDPONTINE PRETRIGEMINAL PREPARATION
ARCH ITAL BIOL 97 1-12 1959
BY BATINI, C DDC NR. 214809
MORUZZI, G CONTRACT NR. AF 61(514)-1125
PALESTINI, M PROJ/TASK NR. 9777-37700
ROSSI, G F
ZANCHETTI, A

AFOSR TN 59-648
PISA UNIV OF ITALY
NEURAL MECHANISMS UNDERLYING THE ENDURING EEG AND BEHAVIORAL ACTIVIATION IN THE MIDPONTINE PRETRIGEMINAL CAT
ARCH ITAL BIOL 97 13-29 1959
BY BATINI, C DDC NR. 214772
MAGNI, F CONTRACT NR. AF 61(514)-1125
PALESTINI, M PROJ/TASK NR. 9777-37700
ROSSI, G F
ZANCHETTI, A
MORUZZI, G<P.I.>

AFOSR TN 59-649
PISA UNIV OF ITALY
EEG AROUSAL FOLLOWING INACTIVATION OF THE LOWER BRAIN STEM BY SELECTIVE INJECTION OF BARBITURATE INTO THE VERTEBRAL CIRCULATION
ARCH ITAL BIOL 97 39-66 1959
BY MAGNI, F DDC NR. 214771
MORUZZI, G CONTRACT NR. AF 61(514)-1125
ROSSI, G PROJ/TASK NR. 9777-37700
ZANCHETTI, A

AFOSR TN 59-650
PURDUE UNIV LAFAYETTE IND
AN APPLICATION OF THE HAMMETT EQUATION TO SUBSTITUTED FERROCENE CARBOXYLIC ACIDS
BY BENKESER, R A DDC NR. 229119
HALL, L W CONTRACT NR. AF 49(638)-297
PROJ/TASK NR. 9760-37600

AFOSR TN 59-651
RUTGERS NEW BRUNSWICK NJ
SENSITIZATION OF MERCUROUS OXALATE BY DYES
PHOTOGRAPHIC SCI ENGIN 2 121-127 OCT 1958
BY VAN DER MEULEN, P A DDC NR. 204119
BRILL, R H CONTRACT NR. AF 18(600)-1150
PROJ/TASK NR. 9762-37620

AFOSR TN 59-652
TECHNISCHE HOCHSCHULE, MUNICH, GERMANY
SUPERSONIC FLOW PAST OSCILLATING BODIES OF REVOLUTION WITH A FREQUENCY NOT NECESSARILY SMALL JUN 1959
BY MUENCH, J. DDC NR. 215027
SAUER, R. <P.I.> CONTRACT NR. AF 61(514)-1000
PROJ/TASK NR. 9781-37712

AFOSR TN 59-653
POLYTECHNIC INST OF BROOKLYN NY
INTERFERENCE OF BODY AND TRAILING EDGE VORTEX SHEET IN SUPERSONIC FLOW MAY 1959
BY KOBAYASHI, S. DDC NR. 215028
TING, L. CONTRACT NR. AF 49(638)-465
FERRI, A . <P.I.> PROJ/TASK NR. 9781-37712

AFOSR TN 59-654
CHICAGO UNIV OF ILL
THE PRIMARY COSMIC RAY PROTON AND ALPHA PARTICLE INTENSITIE AND THEIR VARIATION WITH TIME APR 59
PHYS REV 114 1736-1741 SEP 1959
BY MEYER, P. DDC NR. 233359
SIMPSON, J. A.<P.I.> CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9776-37649

AFOSR TN 59-656
CORNELL UNIV ITHACA NY
ON THE MOTION OF THIN AIRFOILS IN FLUIDS OF LARGE BUT FINITE ELECTRICAL CONDUCTIVITY
BY MCCUNE J. E. DDC NR. 215030
SPARS W. R. <P.I.> CONTRACT NR. AF 18(600)-1529
PROJ/TASK NR. 9781-37712

AFOSR TN 59-657
CHICAGO UNIV OF, ILL
GROUP EXTENSION BY PRIMARY ABELIAN GROUPS MAY 1959
TRANS AMER MATH SOC 95 1-16 APR 60
BY MACLANE S. DDC NR. 215262
CONTRACT NR. AF 18(600)-1181
PROJ/TASK NR. 9782-37922

AFOSR TN 59-458
PITTSBURGH UNIV OF PA
LIGAND FIELD THEORY AND THE ABSORPTION SPECTRA OF MN C12 AND MN BR 2
J CHEM PHYS 31 1050-1061 OCT 1959
BY PAPPALARDO, R — DDC NR.
KEFFER, F<P.I.> — CONTRACT NR. AF 49(638)-323
DEAN, C.<P.I.> — PROJ/TASK NR. 9760-37601
ANDERSON J<P.I.>

AFOSR TN 59-459
CORNELL UNIV ITHACA NY
PROBABILITY O
PROBABILITY FOR AN INNER TWO-ELECTRON TRANSITION,* X-RAY K BETA SATELLITE MAY 1959
BY SAWADA, M — DDC NR. 215264
WATANABLE, T — CONTRACT NR. AF 49(638)-402
PARRATT, L G — PROJ/TASK NR. 9760-37601

AFOSR TN 59-460
ILLINOIS UNIV OF URBANA
EFFECT OF HEAVY DOPING ON THE DIFFUSION OF IMPURITIES IN SILICON JUL 1959
BY MILLEA, M F — DDC NR. 215265
BARDEEN, J<P.I.> — CONTRACT NR. AF 49(638)-417
PROJ/TASK NR. 9763-37641

AFOSR TN 59-461
ROCKETDYNE, CANOGA PARK, CALIF
INVESTIGATION OF DIRECT CONVERSION DEVICES FOR APPLICATION TO ION PROPULSION FEB 1959
BY HUEBNER, A. L. — DDC NR. 215266
BODEN, R. H.<P.I.> — CONTRACT NR. AF 49(638)-344
PROJ/TASK NR. 9752-37520

AFOSR TN 59-462
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, LI, NY
PROPERTIES OF OBLIQUE DETONATION WAVE APR 1959
BY CHINITZ, W. — DDC NR. 215267
BOHRER, L. C. — CONTRACT NR. AF 49(638)-15
FOREMAN, K. M. — PROJ/TASK NR. 9752-37521
GROSS, R. A. <P.I.>

AFOSR TN 59-463
INST NACIONAL DE TECNICA AERONAUTICA, MADRID, SPAIN
COMBUSTION OF MONOPROPELLANT DROPLETS THEROREICAL RESULTS DEC 1958
BY TERIFA, C. S. — DDC NR. 215268
PEREZ DEL NATARIO P. — CONTRACT NR. AF 61(514)-997
MILLAN, G. <P.I.> — PROJ/TASK NR. 3750-37515

AFOSR TN 59-464
PISA UNIV OF ITALY
DIVERSO ANDAMENTO NEL TEMPO DEI FENOMEHI D-ABITUDINE DEL POTENZIALE EVOCATO DALLA STIMOLAEIONE FOTICA NELLA CORTECCI OCCIPITALE E NEL CORPO GENICOLATO LATERALE VARIATIONS IN THE TIME FOR THE PHENOMENON OF HABITUATION OF EVOKED POTENTIALS FROM PHOTIC STIMULATION OF THE OCCIPITAL CORTEX AND OF THE LATERAL GENICULTE BODY
BOLL SOC ITAL BIOL SPER 35 301-302 1959
BY CAVAGGIONI A — DDC NR.
CIANNELLI G — CONTRACT NR. AF 61(052)-107
SANTIBANEZ G — PROJ/TASK NR. 7771-37740
MOREIZZI, G <P.I.>

AFOSR TN 59-466
PISA UNIV ITALY
ON THE MECHANISM OF THE EEG SLEEP PATTERNS ELICITED BY ACUTE VISIAL DEAFFERENTATION
ARCH ITAL BIOL 97 140-155 1959
BY ARDUINI, A — DDC NR. 215271
MIRUO, T — CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 7771-37740

AFOSR TN 59-467
MICHIGAN UNIV OF ANN ARBOR
A NOTE ON CARTAN-S CRITERION JUNE 59
PORTUGALIAE MATH 18 181-185 1959
BY SAMELSON, H. — DDC NR. 215226
MILDER R L<PI> — CONTRACT NR. AF 49(638)-104
PROJ/TASK NR. 9783-37727

AFOSR TN 59-468
MARYLAND UNIV OF COLLEGE PARK
DISTRIBUTION OF NEUTRAL HYDROGEN IN THE EARTH-S EXOSPHERE WASH. MEETING AM. PHYS. SOC. APR 30-MAY 2.59 <BEING PRESENT
BY SINGER, S. F. — DDC NR. 261868
CONTRACT NR. AF 49(638)-530
PROJ/TASK NR. 9774-37665

AFOSR TN 59-469
LOUVAIN UNIV BELGIUM
THE PGR AS A PAIN REACTION COMPONENT
J APP PHYS 14 881-886 NOV 1959
BY MCKENNA, A. E. — DDC NR. 244808
COLLE, J.<P.I.> — CONTRACT NR. AF 61(514)-1101
PROJ/TASK NR. 9777-37701

AFOSR TN 59-470
NAPLES UNIV ITALY
A SYSTEM OF COUPLED OSCILLATORS AS A FUNCTIONAL MODEL OF NEURONAL ASSEMBLIES NOV 1959
BY BRAITENBERG, V — DDC NR. 215229
CAINIELLO, E R — CONTRACT NR. AF 61(052)-96
LAURI, F — PROJ/TASK NR. 9777-37703
ONESTO, N

AFOSR TN 59-471
NAPLES UNIV ITALY
THE CEREBELLAR CORTEX AS A TIMING ORGAN, DISCUSSION OF A HYPOTHESIS JAN 1959
BY BRAITENBERG, V — DDC NR. 215230
ONESTO, N — CONTRACT NR. AF 61(052)-96
PROJ/TASK NR. 9777-37703

AFOSR TN 59-472
HARVARD UNIV CAMBRIDGE MASS
INFRARED SPECTRA OF SIF3H, SIF3D, SID3F, AND SID3D1
BY WILSON, M K — DDC NR. 262126
NEWMAN, C — CONTRACT NR. AF 18(600)-590
PROJ/TASK NR. 7772-9972

AFOSR TN 59-473
WISCONSIN UNIV OF MADISON
HYDROGEN BONDING STUDIES. 11. THE ACIDITY AND BASICITY OF SILANOLS COMPARED TO ALCOHOLS MAY 1959
BY WEST, R — DDC NR. 215716
BANEY, R H — CONTRACT NR. AF 49(638)-285
PROJ/TASK NR. 9760-37600

AFOSR TN 59-474
CALIFORNIA UNIVERSITY OF BERKELEY
THEORY OF THE STAGNATION POINT LANGMUIR PROBE
PHYS FLUIDS V3 289-298 MAR-APR 1960
BY TALBOT L. — DDC NR. 215717
CONTRACT NR. AF 49(638)-502
PROJ/TASK NR. 9781-37712

AFOSR TN 59-475
PITTSBURGH UNIV OF PA
THE HYDRATES OF THE TETRA N-BUTYL AND TETRA I-AMYL QUATERNARY AMMONIUM SALTS JUN 1959
BY JEFFREY, G A — DDC NR. 215718
CONTRACT NR. AF 49(638)-456
PROJ/TASK NR. 9760-37600

AFOSR TN 59-476
CALIFORNIA UNIV OF, BERKELEY
UNIQUE CONTINUATION FOR ELLIPTIC EQUATIONS MAY 1959
TRANS AMER MATH SOC 95,* 91,* APR 1960
BY PROTTER M. H. — DDC NR. 215719
CONTRACT NR. AF 49(638)-398
PROJ/TASK NR. 9783-37727

AFOSR TN 59-477
PURDUE UNIV, LAFAYETTE IND
EXTENSION PROBLEM FOR QUASI ADDITIVE SET FUNCTION AND RADON-NIKODYM DERIVATES APR 1959
BY CESARI, L. — DDC NR. 215720
CONTRACT NR. AF 18(600)-1484
PROJ/TASK NR. 9783-37727

AFOSR TN 59-478
PURDUE UNIV, LAFAYETTE, IND
QUASI ADDITIVE SET FUNCTIONS AND THE CONCEPT OF INTEGRAL OVER A VARIETY, APR 1959
BY CESARI, L. — DDC NR. 264037
CONTRACT NR. AF 18(600)-1484
PROJ/TASK NR. 9783-37727

AFOSR TN 59-479
LEHIGH UNIV BETHLEHEM, PA,
MULTIPOLE SINGULARITIES OF CLASSICAL VECTOR AND PSEUDOVECTO FIELDS
PHYS REV 116 202-217 OCT 1959
BY MAVAS, P. — DDC NR. 215732
CONTRACT NR. AF 18(600)-1462
PROJ/TASK NR. 9769-37658

AFOSR TN 59-480
CORNELL UNIV ITHACA NY
INVESTIGATION OF AN ALLOY SURFACE WITH THE FIELD EMISSION MICROSCOPE
J APPL PHYS 30 226-233 FEB 1959
BY BRADLEY, R C — DDC NR. 215733
D-ASARO, L A — CONTRACT NR. AF 18(600)-674
BRADLEY, R C<P.I.> — PROJ/TASK NR. 9761-37611
SIEGEL, B M<P.I.>

AFOSR TN 59-481
MICHIGAN UNIV OF ANN ARBOR
SINTERING OF VANADIUM PENTOXIDE JUN 1959
BY PARRAVANE, G — DDC NR. 215734
LEE, V J — CONTRACT NR. AF 49(638)-493
PROJ/TASK NR. 9762-37621

AFOSR TN 59-482
LABORATOIRE MEDITERRANEEN DE RECH THERMODYN NICE, FR.
MAR 1959, STUDY OF THE FLOW INSIDE MACH 4 NUMBER NOZZLE IN IN THE VERY LOW DENSITY WIND TUNNEL
BY DEVIENNE, F. M. — DDC NR. 215735
FORESTIER, C. M. — CONTRACT NR. AF 61(514)-1126
SOUQUET J. — PROJ/TASK NR. 9781-37712

AFOSR TN 59-483
OSLO UNIV OF NORWAY
FUNCTIONAL LOCALIZATION WITHIN THE AMYGDALOID COMPLEX IN TH CAT 1959
ELECTROENCEPH CLIV MEWROPHYSIOL 121 1-20 1960
BY URSIN, H — DDC NR. 215736
KAADA, B. R — CONTRACT NR. AF 61(514)-1127
PROJ/TASK NR. 9777-37700

AFOSR TN 59-484
AF OFFICE OF SCIENTIFIC RESEARCH
POSSIBLE EFFECTS OF CURRENT RESEARCH IN AUTOMATIC INFORMATIO HANDLING ON TECHNICAL WRITING AND PUBLISHING
BY WOOSTER H. — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR TN 59-485
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURECES-VOLUME V NUCLEAR AND SOLAR ENERGY SOURECES
BY RAGUSA, D. — DDC NR. 307002
DUCATI, A. C.<P.I.> — CONTRACT NR. AF 49(638)-332
PROJ/TASK NR. 4750-47503

AFOSR TN 59-486
YALE UNIV NEW HAVEN CONN
COMPENSTATION IN ELECTRON EXCITATION EFFECTS IN P-P AND P-N SCATTERING
PROC NAS 45 1047-1052 JUL 1959
BY DE WIT, M. — DDC NR. 215779
FISCHER, CR. R — CONTRACT NR. AF 18<600>-771
ZICKENDRAHT, W — PROJ/TASK NR. 9750-37500

AFOSR TN 59-487
TORONTO UNIV OF CAN
AN EXPERIMENTAL INVESTIGATION OF THE NOISE GENERATED BY THE TURBULENT FLOW AROUND A ROTATING CYLINDER MAY 1959
BY WILSON, L. N. — DDC NR. 228504
RIBNER H S<PI> — CONTRACT NR. AF 49<638>-249
PROJ/TASK NR. 9781-37712

AFOSR TN 59-488
GENERAL ELECTRIC CO CINCINNATI O
HIGH TEMPERATURE HEAT TRANSFER FROM GASES TO CYLINDERS AND NOZZLES FEB 1959
BY KANTER I E — DDC NR. 215841
MARTINEK F — CONTRACT NR. AF 49<638>-243
GHAI M L — PROJ/TASK NR. 9781-37713
NAMKOONG D
LOCH J

AFOSR TN 59-489
MARYLAND UNIV OF COLLEGE PARK
THE ELECTRIC CONDUCTIVITY OF A PARTIALLY IONIZED GAS APR 59
BY PIPKIN A. C. — DDC NR. 215842
BURGERS J. M. <P.I.> — CONTRACT NR. AF 49<638>-401
PROJ/TASK NR. 9781-37713

AFOSR TN 59-490
NEW MEXICO UNIV OF ALBUQUERQUE
ON THE RESPONSE OF A SINGLE LARGE SCINTILLATOR TO EXTENSIVE AIR SHOWERS MAY 1959
BY GREEN, J. R. — DDC NR. 215843
CONTRACT NR. AF 49<638>-34
PROJ/TASK NR. 9774-37665

AFOSR TN 59-491
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
TWO-DIMENSIONAL TRANSONIC UNSTEADY FLOW WITH SHOCK-WAVES MAY 1959
BY ECKHAUS W. — DDC NR. 215844
CONTRACT NR. AF 49<638>-160
PROJ/TASK NR. 9782-37718

AFOSR TN 59-492
NORTH CAROLINA UNIV CHAPEL HILL
APR 1959. SIMPLE RAYES SOLUTION TO A COMMON MULTIPLE COMPARISONS PROBLEMS
BY DUNCAN, D. B. — DDC NR. 215396
HOEFFDING, W.<P.I.> — CONTRACT NR. AF 49<638>-261
PROJ/TASK NR. 9752-37522

AFOSR TN 59-493
BUREAU OF MINES BARTLESVILLE OKLA
THE PRESSURE-VOLUME-TEMPERATURE PROPERTRES OF PERFLUOROCYCLOBUTANE.M EQUATIONS OF STATE, VIRIAL COEFFICEN AND ITERMOLECULAR POTENTIAL ENERGY FUNCTIONS
J PHYS CHEM 63 1959-1966 NOV 1959
BY DOUSLIN, D R — DDC NR. 215846
MOORE, R T — CONTRACT NR. CSO 680-57-4
WADDINGTON, G — PROJ/TASK NR. 7772-19750

AFOSR TN 59-494
MILAN UNIV OF ITALY
RISP STE ROTATORIE E POST-ROTATORIE CEREBELLARI E VARIAZIONI DELLA PRESSIONE ARTERIOSA NEL GATTO CURARIZZATO CON D-TUBOCURARINA E CON SUCINILCOLINA ROTATORY AND POST-ROTATORY CEREBELLAR RESPONSE AND VARIATIONS IN ARTERIAL PRESSURE IN THE CAT CURARIZED WITH D-TUBOCURARINA AND SUCCINILCOLINA
REDICONTI DELL-ACCADEMIA NAZIONALE DEI LINCEI, SER . VIII, V, XXV FASC. 6, DEC 58
BY GUALTIEROTTI T — DDC NR.
PASSERINI D — CONTRACT NR. AF 61<052>-23
PROJ/TASK NR. 9777-37701

AFOSR TN 59-495
PISA UNIV ITALY
EFFETTI DI SEZIONI UNILATERALI MESSENCEFALICNE E PONTINE SULL-ELETTROENCMFALOGRAMMA EFFECTS OF UNILATERAL MESENCEPHA AND PONTINE SECTIONS ON THE EEG
BY CORDEAU J P — DDC NR.
MANOIA M — CONTRACT NR. AF 61<052>-107
PROJ/TASK NR. 7771-37740

AFOSR TN 59-496
PURDUE UNIV, LAFAYETTE, IND
ANALYTIC THEORY OF CONTINUOUS TRANSFORMATIONS AUG 1959 PT 1-9
BY NISHIURA, T. — DDC NR. 263801
CESARI L<PI> — CONTRACT NR. AF 18<600>-1484
PROJ/TASK NR. 9783-37727

AFOSR TN 59-497
CHICAGO UNIV OF, ILL
SEMINUCLEAR EXTENSIONS OF GALOIS FIELDS <APR 1959>
BY HUGHES D. R. — DDC NR. 215922
KLEINFELD F. — CONTRACT NR. AF 18<600>-1383
MACLANE S. <P.I.> — PROJ/TASK NR. 9752-37522

AFOSR TN 59-498
DUKE UNIV DURHAM N C
PROPAGATION OF THERMAL STRESSES IN A SEMI-INFINITE MEDIUM APR 1959
BY LOCKETT, F J — DDC NR. 215923
GERGEN, J J<P.I.> — CONTRACT NR. AF 18<600>-1341
PROJ/TASK NR. 9783-37727

AFOSR TN 59-499
INST FOR ADVANCED STUDY, PRINCETON, N.J.
INTRINSIC OPERATORS IN THREE-SPACE MAY 1959
BY SHAPIRO, V. L. — DDC NR. 215924
MORSE M<PI> — CONTRACT NR. AF 49<638>-253
BEURLING A<PI> — PROJ/TASK NR. 9769-37658

AFOSR TN 59-500
NEW YORK UNIV NY
PERSONALITY AND BEHAVIOR CORRELATES OF CHANGES PRODUCED BY ROLE PLAYING EXPERINECE
BY MANN, J H — DDC NR. 215925
BORGATTA, E F — CONTRACT NR. AF 49<638>-195
PROJ/TASK NR. 9778-37707

AFOSR TN 59-501
NEW YORK UNIV NY
A STUDY OF DEAD TIME AND RESOLVING TIME IN A PROPORTIONAL COUNTER JAN 1959
BY REIDY, W. — DDC NR. 229385
KORFF, S. A.<P.I.> — CONTRACT NR. AF 18<600>-1555
PROJ/TASK NR. 9751-37512

AFOSR TN 59-502
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE LITERATURE IMAGE <REPROT NO. J6> OF ORTHORHOMBIC CRYSTA INDEX NUMBERS 500-999 IN THE BARKER INDEX OF CRYSTALS V I PT II APR 1959
BY VAND, V — DDC NR. 228894
PEPINSKY, R — CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-503
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE LITERATURE IMAGE <REPORT NO. 3L> OF ORTHORHOMBIC CRYSTALS INDEX NUMBERS 0-499 IN THE BARKER INDEX CRYSTALS V I, PT II
BY VAND, V — DDC NR. 228893
PEPINSKY, R — CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-504
CORNELL UNIV ITHACA NY
THALLIUM TUNGSTEN BRONZE A NEW DEFECT STRUCTURE JUL 1959
BY SIENKO M. J. — DDC NR. 215929
CONTRACT NR. AF 49<638>-191
PROJ/TASK NR. 9762-37621

AFOSR TN 59-505
CORNELL UNIV ITHACA NY
LINE ASYMMETRY AND SATELLITES IN X-RAY SPECTRA.* EXCITATION STATES MAY 1959
BY SKOLNICK, M H — DDC NR. 215930
PARRATT, L G — CONTRACT NR. AF 49<638>-402
PROJ/TASK NR. 9760-37601

AFOSR TN 59-506
MELLON INST PITTSBURGH PA
ON HLICAL FLOW OF GENERAL FLUIDS
J APPL PHYS 30 1508-15 2 OCT 1959
BY COLEMAN, B — DDC NR. 215931
NOLL, W — CONTRACT NR. AF 49<638>-541
PROJ/TASK NR. 9760-37600

LAMDA* AND SIGMA* PRODUCTION FROM THE <SIGMA-, D>SYSTEM MAY 1959
BY DAY, T. B. — DDC NR. 216272
SNOW, G. A. — CONTRACT NR. AF 49<638>-24
PROJ/TASK NR. 9751-37512

AFOSR TN 59-508
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA
BOUNDS FOR TH EEIGENVALUES OF SOME VIBRATING SYSTEMS JUN 1959
BY BANKS D. — DDC NR. 216273
NEHARI Z. <P.I.> — CONTRACT NR. AF 49<638>-227
PROJ/TASK NR. 9783-37727

AFOSR TN 59-509
NORTHWESTERN UNIV EVANSTON ILL
FURTHER STUDIES OF GP I ZONE FORMATION IN AL-2 AT PER CENT CU JUN 1959
TRANS METALL SOC AIME 218 299-307 APR 1960
BY CHIOU, C — DDC NR. 216274
HERMAN, H — CONTRACT NR. AF 18<600>-1468
FINE, M E — PROJ/TASK NR. 9760-37601

AFOSR TN 59-510
SYRACUSE UNIV NY
NEW POTENTIAL FOR IRREVERSIBLE PROCESSES
ANN PHYS 8 266-270 OCT 1959
BY BERGMANN, P. G. — DDC NR. 264065
MORRIS, E. — CONTRACT NR. AF 49<638>-461
PROJ/TASK NR. 9751-37511

AFOSR TN 59-511
STEVENS INST. OF TECHNOLOGY, HOBOKEN, NJ
THE EQUATION OF STATE OF A FLUID
10 INT CONFION REFRIGERATION COPENHAGEN AUG 59
BY LEBOWITZ, J. L. — DDC NR. 241256
FRISCH, H. L. — CONTRACT NR. AF 49<638>-352
REISS H — PROJ/TASK NR. 9751-37511
FAJANS J<PI>

AFOSR TN 59-512
PISA UNIV ITALY
EFFECTS OF REFTITIVE PHOTIC STIMULATION ON RESPONESES EVONE IN THE LATERAL CHICULATE BODY AND THE VISUAL CORTEX
ARCH ITAL BIOL 97 266-275 1959
BY CAVAGGIONI, A — DDC NR. 234575
GINNELLI, G — CONTRACT NR. AF 61<052>-107
SANTIBANEZ, G — PROJ/TASK NR. 7771-37740
MORUZZI, G <P.I.>

AFOSR TN 59-919
AERONUTRONIC SYSTEMS, INC, GLENDALE, CALIF
ENHANCEMENT OF GAS PHASE CHEMICAL REACTION RATE DUE TO
SIMULTANEOUS PERIODIC TEMPERATURE AND VOLUME PERTURBATIONS
APR 1959
BY WRIGTH, M. M. DDC NR. 206426A
ALTMAN, D.<P,1,> CONTRACT NR. AF 49(638)-911
PROJ/TASK NR. 9761-17910

AFOSR TN 59-914
BROWN UNIV PROVIDENCE, R.I.
THE HIGH TEMPERATURE PYROLYSIS OF ACETYLENE 1600°-2400°F.
COMB & FLAME 3 59-66 MAR 61
BY ATEN, C. F. DDC NR. 259126
GREENE, E. F. CONTRACT NR. AF 49(638)-167
PROJ/TASK NR. 9761-17910

AFOSR TN 59-915
REPUBLIC AVIATION CORP FARMINGDALE NY
OPTIMUM POWER GENERATION FROM A MOVING PLASMA
J FLUID MECH 7 287-301 FEB 60
BY NEUBINGER, J. L. DDC NR. 216280
EUREN, A. F.<P,1,> CONTRACT NR. AF 49(638)-992
PROJ/TASK NR. 9762-17921

AFOSR TN 59-916
UTAH UNIV OF SALT LAKE CITY
IGNITION OF COMPOSITE PROPELLANTS MAY 1959
BY RYAN, N. W. DDC NR. 216291
SALT, D. L. CONTRACT NR. AF 49(638)-170
BAER, A. D. PROJ/TASK NR. 9761-17910

AFOSR TN 59-917
AEROJET-GENERAL CORP, AZUSA, CALIF
UTILIZATION OF UPPER-ATMOSPHERE ATOMIC-OXYGEN RECOMBINATION
FOR PROPULSION APR 59
BY ZUEREBAG, A. DDC NR. 216292
ERETSCHMER, C. B. CONTRACT NR. AF 49(638)-111
PROJ/TASK NR. 9752-17920

AFOSR TN 59-918
NORTH CAROLINA UNIV, CAMPEL HILL
ON THE CONSTRUCTION OF PAIRWISE ORTHOGONAL SETS OF LATIN
SQUARES & THE FALSITY OF A CONJECTURE OF EULER, 11 MAY 1959
BY BOSE, R. C. DDC NR. 216239
SHRIKHANDE, S. S. CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9760-17650

AFOSR TN 59-919
ZAIRE CO CAMBRIDGE MASS
RESEARCH IN INDUCTIVE INFERENCE FOR THE YEAR ENDING 31
1959, MAY 1959 MISPRINTED AFOSRTN-59-219
BY SOLOMONOFF R. J. DDC NR. 216260
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9760-17659

AFOSR TN 59-920
CALIFORNIA UNIV OF BERKELEY
THEORY OF THE LOW-ENERGY PION-PION INTERACTION APR 59
PHYS REV 119 467-477 JUL 1960
BY CHEW, G. F. DDC NR. 216251
MANDELSTAM, S. CONTRACT NR. AF 49(638)-527
KARPLUS, R. <P,1,> PROJ/TASK NR. 9750-17500

AFOSR TN 59-921
WASHINGTON UNIV ST LOUIS MO
AN ITERATION OF THE SCATTERING MATRIX IN FINITE TERMS
PHYS REV LTS <SUBMITTED >
BY MALLER, E DDC NR. 261901
CONDON, E. U.<P,1,> CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9761-17912

AFOSR TN 59-922
WASHINGTON UNIV ST LOUIS MO
MESONIC EXCHANGE EFFECTS IN BETA-DECAY
J NUCL PHYS 11 644-659 1959
BY BLIN-STOYLE, R J DDC NR. 229971
GUPTA, V. CONTRACT NR. AF 18(603)-108
PRIMAKOFF, H PROJ/TASK NR. 9761-17912
CONDON, E. U.<P,1,>

AFOSR TN 59-926
CALIFORNIA UNIV OF BERKELEY
HIGH TEMPERATURE HEAT CONTENTS OF SOME BINARY IRON ALLOYS
JUL 1959
BY KENDALL, W B DDC NR. 216258
ORR, R L CONTRACT NR. AF 49(638)-83
HULTGREN, R PROJ/TASK NR. 9760-17601

AFOSR TN 59-929
CALIFORNIA UNIV OF BERKELEY
THE HEAT CAPACITY OF DILUTE SOLUTIONS OF CHROMIUM IN NICKEL
JUL 1959
TRANS AIME 214 169-186 FEB 1959
BY HULTGREN, R DDC NR. 216259
LAND, C CONTRACT NR. AF 49(638)-83
PROJ/TASK NR. 9760-17601

AFOSR TN 59-926
YALE UNIV NEW HAVEN CONN
MULTIPLET STRUCTURE OF EXCITIONS IN CDS
PHYS REV LTRS 2 463-464 JUN 1959
BY HOPFIELD, R C DDC NR. 216260
CONTRACT NR. AF 49(638)-503
PROJ/TASK NR. 9760-17601

AFOSR TN 59-928
ILLINOIS UNIV OF URBANA
ISSUES IN THE USE OF AN ANALOG-DIGITAL DATA SYSTEM FOR THE
MEASUREMENT OF TRACKING BEHAVIOR APR 1960
BY WEBBER, C F DDC NR. 269066
ADAMS, J A CONTRACT NR. AF 49(638)-371
PROJ/TASK NR. 9778-17708

AFOSR TN 59-929
MARYLAND UNIV OF COLLEGE PARK
ON AN ASYMPTOTIC EXPANSION OCCURRING IN THE EVALUATION OF A
LATTICE SUM APR 1959
CAN J PHYS 37 944-948 1959
BY WEIS, G. H. DDC NR. 216434
MARADUDIN, A. A. CONTRACT NR. AF 18(600)-1515
MONTROLL E W<P,1> PROJ/TASK NR. 9761-17911

AFOSR TN 59-930
POLYTECHNIC INST OF BROOKLYN, NY
CREEP BEHAVIOR OF COLUMNS MAY 1959
BY PATEL, S. A. DDC NR. 216437
VENKATARAMAN, B. CONTRACT NR. AF 49(638)-302
KEMPNER J<P,1> PROJ/TASK NR. 9787-17717

AFOSR TN 59-931
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON SOME PROBLEMS IN RADIATIVE HEAT TRANSFER APR 1960
BY ANANDAKRISHNAN, S. S. DDC NR. 216438
CONTRACT NR. AF 49(638)-207
PROJ/TASK NR. 9781-17719

AFOSR TN 59-933
ROCHESTER UNIV OF NY
PHOTOISOMERISATION PROCESSES IN CYCLIC KETONES IN.
CYCLOHEPTANONE
JACS 81 5441-5442 NOV 1959
BY SRINIVASAN, R DDC NR. 221896
NOYES, W A JR.<P,1,> CONTRACT NR. AF 18(600)-1428
PROJ/TASK NR.

AFOSR TN 59-934
PURDUE UNIV LAFAYETTE IND
ON THE EVALUATION OF DISPERSION RELATIONS
BY GARTENHAUS, S. DDC NR. 216451
BLACKENBECLER, R CONTRACT NR. AF 18(600)-1479
KING, R. W.<P,1,> PROJ/TASK NR. 3750-17500

AFOSR TN 59-936
BAYLOR UNIV HOUSTON TEX
SIMPLIFIED REFERENCE CHARTS OF THE ADULT RAT BRAIN IN
STEREOTAXIC COORDINATES ABSTRACT <OF DEMONSTRATION>
ANAT REC 133 666 1959
BY DE GROOT, J DDC NR. 216453
FORTIER, C<P,1,> CONTRACT NR. AF 49(638)-184
PROJ/TASK NR. 9777-17701

AFOSR TN 59-937
BAYLOR UNIV HOUSTON TEX
THE RAT FOREBRAIN IN STEREOTAXIC COORDINATES RUNNING PAGE
TITLE,0 RAT BRAIN ATLAS 1959
ROYAL DUTCH ACAD SCI TWEEDE REEKS DEEL LIII NR4
BY DE GROOT, J DDC NR. 216454
FORTIER, C<P,1,> CONTRACT NR. AF 49(638)-184
PROJ/TASK NR. 9777-17701

AFOSR TN 59-938
POLYTECHNIC INST OF BROOKLYN NY
CREEP BUCKLING OF CYLINDRICAL SHELLS SUBJECTED TO UNIFORM
AXIAL COMPRESSION MAY 1959
BY FRENCH, F. W. DDC NR. 216455
PASTPL, S. A. CONTRACT NR. AF 49(638)-302
KEMPNER J<P,1> PROJ/TASK NR. 9787-17717

AFOSR TN 59-939
AEROJET-GENERAL CORP AZUSA, CALIF
KINETIC STUDIES OF DISAPPEARANCE OF HYDROXYL RADICALS IN
H2 AT LOW TEMPERATURES AUG 1959
BY FLOWERS, M. W. DDC NR. 216456
BAUM, A. H. CONTRACT NR. AF 18(603)-110
SIEGEL, S. PROJ/TASK NR. 9760-17601
SHOLNIK, S.
HOFF, G. <P,1,>

AFOSR TN 59-940
AEROJET-GENERAL CORP AZUSA, CALIF
THE ROLE OF BINDER IN COMPOSITE PROPELLANT COMBUSTION - 19-
18 <PRESENTED AT SYMPOSIUM ON PLASTICS AND ELASTOMERS IN
ROCKETS> JUL 1959
ALSO IN PROGRESS IN ASTRONAUTICS AND ROCKETRY 227-269 SYMP
ON PLASTICS AND ELASTOMERS IN ROCKETS 15TH NAT MTG ACS
SEP 15-18, 1959 ATLANTIC CITY, NJ
BY CHAIKEN, R. F. DDC NR. 228160
ANDERSON, D. H. CONTRACT NR. AF 49(638)-966
SHOLNICK, S.<P,1,> PROJ/TASK NR. 4750-02

AFOSR TN 59-941
INST MAREY PARIS FRANCE
NEUROPHYSIOLOGIE, DUALITE DES REPONSES DES CELLULES DU
CENTRE MEDIAN DU THALAMUS A DES STIMULATIONS NATURELLES OU
ELECTRIQUES.
COMPTES RENDUS 249-301 JAN 1959
BY ALBE-FESSARD, D DDC NR.
ERULKER, W L CONTRACT NR. AF 61(052)-101
PROJ/TASK NR. 9777-17700

AFOSR TN 59-942
BIRMINGHAM UNIV OF ENGLAND
EFFECT OF DRUGS ON CONDITIONING AND HABITUATION TO AROUSEL
STIMULI IN ANIMALS NOV 1958
NATURE 182-1517-1519 NOV 1958
BY EFF B J DDC NR.
BRADLEY P B CONTRACT NR. AF 61(514)-1184
PROJ/TASK NR. 9777-17700

AFOSR TN 59-943
IST NAZIONALE DI OTTICA ITALY
ON THE INFLUENCE OF THE INCOMPLETE ADAPTATION OF THE
PERIPHERAL RETINA ON THE SPEED OF READING
ATTI DELLA FONDAZIONE GIORGIO RONCHI 99-62 JA-FE 1959
BY RONCHI, L DDC NR. 216459
ASCARELLI, F CONTRACT NR. AF 61(052)-80
TORALDO DI FRANCIA, PROJ/TASK NR. 9777-17701

AFOSR TN 59-566
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SPECIFIC ROTATIONS OF PURE 2-BROMOBUTANES. STEREOCHEMISTRY OF THE 2-BUTANOL TO 2-BROMOBUTANE CONVERSION MAY 1959
JACS 81 610-616 JAN 1960
BY SKELL, P S — DDC NR. 216960
ALLEN, R G — CONTRACT NR. AF 49(638)-457
HELMKAMP, G K — PROJ/TASK NR. 9760-37600

AFOSR TN 59-569
CHICAGO UNIV OF, ILL
TWO REMARKS ON FIBER HOMOTOPY TYPE MAY 1959
BY MILNER J. — DDC NR. 216821
SPANIER E. H. — CONTRACT NR. AF 49(638)-993
PROJ/TASK NR. 9783-37727

AFOSR TN 59-585
OHIO STATE UNIV COLUMBUS
COMPUTATION OF RIGID ASYMMETRIC ROTATOR CONSTANTS FROM ENERGY MOMENTS I AND II
J CHEM PHYS 27 1108-1110 NOV 1957
BY [1] J CHEM PHYS 23 909-DDC NR.
BY BROWN, L C — DDC NR. 251670
PAREER, P M — CONTRACT NR. AF 18(600)-772
WILLISMA DK) — PROJ/TASK NR. 4750-47501

AFOSR TN 59-586
COLUMBIA UNIV NY
THE HYPERFINE INTERACTION AND QUADRUPOLE COUPLING CONSTANT IN THE HYDROGEN MOLECULE ION, MAY TO OCT 1958
J CHEM PHYS 31 1329-1332 NOV 1959
BY DAILEY, B. P. — DDC NR. 251129
CONTRACT NR. AF 18(600)-1152
PROJ/TASK NR. 9760-37600

AFOSR TN 59-587
BROWN UNIV PROVIDENCE RI
SUPERSONIC PANEL FLUTTER OF A CYLINDRICAL SHELL OF FINITE LENGTH MAY 1959
J AEROSP SCI 28 197-208 MAR 1961
BY STRACK S. L. — DDC NR. 216693
HOLT M. — CONTRACT NR. AF 49(638)-232
PROJ/TASK NR. 9781-37712

AFOSR TN 59-588
BROWN UNIV PROVIDENCE, RI
STATISTICAL-MECHANICAL THEORY OF TRANSPORT IN FLUIDS
PHYS REV 112 1829-1842 DEC 1958
BY MORI, H. — DDC NR. 266299
ROSS J(PI) — CONTRACT NR. AF18(600)-1787
PROJ/TASK NR. 9791-37911

AFOSR TN 59-589
JOHNS HOPKINS UNIV BALTIMORE, MD
ON SPHERICAL IMAGE MAPS WHOSE JACOBIAN DO NOT CHANGE SIGN MARCH 1959
BY HARTMAN, P. — DDC NR. 216659
WINTNER, A. — CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR TN 59-590
MICHIGAN UNIV OF ANN ARBOR
ON THE THEOREMS OF GROSS AND IVERSEN JUL 1959
BY LOMWATER, A. J. — DDC NR. 216660
WILDER R L(PI) — CONTRACT NR. AF 49(638)-104
PROJ/TASK NR. 9783-37727

AFOSR TN 59-591
UTAH UNIV OF SALT LAKE CITY
ELECTRICAL FIELDS AND ELECTROMAGNETIC RADIATION FROM CHEMIC EXPLOSIONS MAR 1959
BY EYYES, R. T. — DDC NR. 216691
COOK M A(PI) — CONTRACT NR. AF 18(603)-100
PROJ/TASK NR. 9791-37911

AFOSR TN 59-592
MARYLAND UNIV OF COLLEGE PARK
INTEGRATION IN FUNCTIONAL SPACES AND ITS APPLICATIONS IN QUANTUM PHYSICS MAY 1959
TRANS FROM USPEKHI MATEMATICHESKIKH NAUK 11 77 JAN FEB 1956
BY GEL-FAND, I. M. — DDC NR. 216692
YAGLOM, A. M. — CONTRACT NR. AF 18(600)-1519
MONTROLL E W(PI) — PROJ/TASK NR. 9791-37911

AFOSR TN 59-593
UNILLINOIS UNIV OF URBANA
PHOTOCONDUCTIVE HALL EFFECT IN EC 1 MAY 1959
BY BROWN F C — DDC NR. 216710
INCHAUSPE, N — CONTRACT NR. AF 49(638)-479
PROJ/TASK NR. 9760-37601

AFOSR TN 59-594
MARYLAND UNIV OF COLLEGE PARK
A REMARK ON THE MEISSNER EFFECT AND THE THEORY OF PERFECTLY FREE ELECTRONS JUN 1959
BY PERETTI, J — DDC NR. 216719
MEYERS, B D(P.I.) — CONTRACT NR. AF 49(638)-399
FERRELL, R A(P.I.) — PROJ/TASK NR. 9761-37631

AFOSR TN 59-595
ILLINOIS UNIV OF URBANA
THE SELF ENERGY OF A HELICAL DISLOCATION
PHYS REV 116 592-597 NOV 1959
BY DE WIT, R — DDC NR.
SEITZ, F <P.I.> — CONTRACT NR. AF 18(600)-689
PROJ/TASK NR. 9761-37631

AFOSR TN 59-596
ILLINOIS UNIV OF URBANA
EXCITON STATES IN IONIC CRYSTALS
PHYS REV 116 1093-1099 DEC 1959
BY KNOX, R S — DDC NR. 216751
INCHAUSPE, N — CONTRACT NR. AF 18(600)-662
MAURER, R. J.<P.I.> — PROJ/TASK NR. 9760-37601

AFOSR TN 59-597
KAROLINSKA INST SWEDEN
CORRELATING STUDIES ON CORTICAL ACTIVITY AND STRUCTURE
BY VALLFALA, P — DDC NR. 266125
BERNHARD, C G<P.I.> — CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-37700

AFOSR TN 59-598
KAROLINSKA INST STOCKHOLM SWEDEN
INVESTIGATIONS ON THE EXCITATION MECHANISM IN THE OLFACTORY REPROD EPITHELIUM AND ON THE TRANSMISSION PROCESSES IN THE OLFACTORY SYSTEM MAR 1959
BY OTTOSON, D — DDC NR. 266126
BERNHARD, C G<P.I.> — CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-37700

AFOSR TN 59-599
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON EXCITATION PROCESSES IN THE INSECT EYE MAR 1959
BY BERNHARD, C G — DDC NR. 266126
OTTOSON, D — CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-37700

AFOSR TN 59-600
KAROLINSKA INST STOCKHOLM SWEDEN
CHANGES IN CEREBRAL BLOOD SUPPLY CAUSED BY CHANGES IN THE PRESSURE DROP ALONG ARTERIES TO THE BRAIN OF THE CAT MAY 59
REPROTRTA
BY SODERBERG, U — DDC NR. 253121
WECKMAN, B — CONTRACT NR. AF 61(052)-119
PROJ/TASK NR. 9777-37700

AFOSR TN 59-601
FRIBOURG UNIV OF SWITZERLAND
MAY 1959 LIQUIDS FOR USE IN LARGE BUBBLE CHAMBERS
BY MAHL, B. — DDC NR. 253122
RIEPE, G. — CONTRACT NR. AF 61(514)-1267
RUDSEN, A. W. — PROJ/TASK NR. 9791-47912

AFOSR TN 59-602
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ON THE STABILITY OF LAMINAR FLAME-FRONTS MAY 1959
BY ECKHAUS W. — DDC NR. 216757
CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-37718

AFOSR TN 59-603
CALIFORNIA INST OF TECHNOLOGY PASADENA
A SMALL-LIQUID THEORY IN MAGNETOHYDRODYNAMICS JUN 1959
BY FRAENKEL L. E. — DDC NR. 216758
COLE J. D. <P.I.> — CONTRACT NR. AF 49(638)-676
PROJ/TASK NR. 9781-37712

AFOSR TN 59-604
CORNELL AERONAUTICAL LABORATORY, INC, BUFFALO NY
BOUNDARY-LAYER TRANSITION AND HEAT TRANSFER IN SHOCK TUBES DEC 1959
J AERO/SP SCI 27 907-916 AUG 1960
BY MARTUNIAN, M. A. — DDC NR. 236728
RUSSO, A. L. — CONTRACT NR. AF 18(603)-141
PARRONE P. V. — PROJ/TASK NR. 9783-37729
MOORE F. K. <P.I.>

AFOSR TN 59-605
KAROLINSKA INST STOCKHOLM SWEDEN
FAST SUPRASPINAL CONTROL OF MAMMALIAN MUSCLE SPINDLES, EXTRA- AND INTRAFUSAL CO-ACTIVATION
J PHYSIOL 147 489-508 1959
BY GRANIT, R — DDC NR. 221899
POMPEIANO, O — CONTRACT NR. AF 61(052)-119
WALTMAN, B — PROJ/TASK NR. 9777-37700

AFOSR TN 59-606
KAROLINSKA INST STOCKHOLM SWEDEN
EARLY DISCHARGE OF MAMMALIAN MUSCLE SPINDLES AT ONSET OF CONTRACTION
J PHYSIOL 146 499-518 1959
BY GRANIT, R — DDC NR. 221898
POMPEIANO, O — CONTRACT NR. AF 61(052)-119
WALTMAN, B. — PROJ/TASK NR. 9777-37700

AFOSR TN 59-607
POLYTECHNIC INST OF BROOKLYN NY
FORCED FLEXURAL VIBRATIONS OF SANDWICH PLATES IN PLANE STRAIN JUL 1959
BY YU Y. Y. — DDC NR. 239020
CONTRACT NR. AF 49(638)-653
PROJ/TASK NR. 9782-37717

AFOSR TN 59-608
CALIFORNIA UNIV OF BERKELEY
ONE PARTICLE SINGULARITIES OF GREEN FUNCTIONS IN QUANTUM THEORY
NUOVO CIM SER X 13 503-521 AUG 1959
BY ZIMMERMANN, W. — DDC NR. 229911
BARPLUS B(PI) — CONTRACT NR. AF 49(638)-127
PROJ/TASK NR. 9750-37600

AFOSR TN 59-609
MELLON INST PITTSBURGH PA
HIGH RESOLUTION INFRARED SPECTROSCOPY OF SOLIDS, INTERMOLEC
HIGH RESOLUTION INFRARED SPECTROSCOPY OF SOLIDS
INTERMOLECULAR INTERACTION' IN THE SOLID STATE EXTENT OF
OF ROTATIONAL MOTION OF SMALL MOLECULES JUN 1959
FOURTH INTERNATIAL SYMPOSIUM NAT-L BUREAU STANDARDS 1-2 SEPT 59
BY MEETER, D W — DDC NR.
CONTRACT NR. AF 49(638)-962
PROJ/TASK NR. 9760-37600

AFOSR TN 59-610
FORDHAM UNIV NEW YORK NY
NUCLEOPHILIC REACTIONS OF SEMIIONIC OXYGEN. II. A NOVEL PREPARATION OF ETHYL GLYOXYLATE FROM ETHYL BROMOACETATE AND DIMETHYL SULFOXIDE. THE STOICHIOMETRY AND SULFUR-CONTAINING BY-PRODUCTS
BY HUNSBERGER, I M — DDC NR. 266111
CONTRACT NR. AF 18(603)-127
PROJ/TASK NR. 9762-37620

AFOSR TN 59-571
REPUBLIC AVIATION CORP, FARMINGDALE, NY
OPTIMUM POWER GENERATION USING A PLASMA AS THE WORKING FLUID
DYNAMICS OF CONDUCTING GASES QD 511 NG 71959 159-167 PROC 3D BIENNIAL GAS DYNAMICS SYMP.
BY NEURINGER, J. L. — DDC NR. 249868
RUNEN, A. F.<P.I.> — CONTRACT NR. AF 49(638)-592
PROJ/TASK NR. 9752-37921

AFOSR TN 59-572
LUND UNIV OF SWEDEN
EXPLORATORY STUDIES ON THE PHOTOLYSES OF DISULFIDES IN AN ORGANIC MATRIX AT 77DK AUG 1959
IN ACTA CHEMICA SCANDINAVICA
ON THE PHOTOLYSIS OF DISULFIDES IN AN <OVER> OVER
BY ROSENGREN J — DDC NR. 230183
SUMNER S — CONTRACT NR. AF 61(052)-66
TIEMM D — PROJ/TASK NR. 9750-37501

AFOSR TN 59-573
LUND, UNIV OF, SWEDEN
EQUILIBRIUM STUDIES ON THE DISPROPORTIONATION REACTION BETWEEN SOME DIALKYL DISULFIDES APPROX MAY 1956
BY HARALDSON, L. — DDC NR. 240827
OLANDER, C. J. — CONTRACT NR. AF 61(052)-66
SUMNER, S. — PROJ/TASK NR. 9750-37501
VARDE, F.

AFOSR TN 59-576
DR. INGVAR LINDQVIST UPPSALA UNIV OF SWEDEN
ADDITION COMPOUNDS OF PHOSPHINE OXIDES JUL 1959
BY LINDQVIST I — DDC NR. 217021
OLOFSSON, G — CONTRACT NR. AF 61(052)-63
PROJ/TASK NR. 9760-37600

AFOSR TN 59-575
UPPSALA UNIV OF SWEDEN
ADDITION COMPOUNDS OF DIPHOSPHORUS TRIOXIDE TETRACHLORIDE
BY LINDQVIST, I — DDC NR.
ZACHRISSON, M — CONTRACT NR. AF 61(052)-63
FRIESSON, S — PROJ/TASK NR. 9760-37600

AFOSR TN 59-576
NEW YORK UNIV
THE DISCRIMINANT OF HILLS EQUATION MAY 1959
BY MAGNUS, W. — DDC NR. 217023
KLINE, M.<P.I.> — CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR TN 59-577
MARYLAND UNIV OF COLLEGE PARK
UNIQUENESS THEOREMS FOR THE DIFFERENTIAL EQUATION UXY = <B.Y.Y.UX. UYS FEB 1959
BY WALTER, W. — DDC NR. 217026
IVEINSTEIN, A<P.I.> — CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9781-37727

AFOSR TN 59-579
PURDUE UNIV, LAFAYETTE IND
NORMAL OPERATORS ON THE BANACH SPACE LP <-00.00> I. BOUNDED OPERATORS
BUL AMER MATH SOC 65 270-272 JUL 1959
BY KRABBE, G. L. — DDC NR. 232658
CONTRACT NR. AF 49(638)-505
PROJ/TASK NR. 9769-37658

AFOSR TN 59-580
NORTH CAROLINA UNIV OF CHAPEL HILL
INCOMPLETE BLOCK DESIGNS IN WHICH THE NUMBER OF REPLICATES IS NOT THE SAME FOR ALL TREATMENTS MAY 1959
BY CORSTEN, L. C. A. — DDC NR. 217027
BOSE, R. C. <P.I.> — CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37658

AFOSR TN 59-581
VIRGINIA UNIV OF CHARLOTTESVILLE
OPEN MAPPINGS ON 2-DIMENSIONAL MANIFOLDS JUN 1959
BY WHYBURN, G. T. — DDC NR. 217028
CONTRACT NR. AF 49(638)-72
PROJ/TASK NR. 9781-37727

AFOSR TN 59-582
CALIF INST OF TECHNOLOGY, PASADENA
A NEW TRANSMITTING <NTENNA SYSTEM FOR VERY LOW RADIO FREQUENCIES JUN 1959
BY BUSCH, W. V. T. — DDC NR. 217029
LANGMUIR R<PI> — CONTRACT NR. AF 18(600)-1392
PROJ/TASK NR. 9768-37650

AFOSR TN 59-583
CALIF INST OF TECHNOLOGY, PASADENA
EXPERIMENTS IN VERY LOW-FREQUENCY RADIO PROPAGATION JUN 59
BY GOLDEN, R. M. — DDC NR. 217030
LANGMUIR R<PI> — CONTRACT NR. AF 18(600)-1392
PROJ/TASK NR. 9768-37650

AFOSR TN 59-584
ILLINOIS UNIV OF URBANA
ACTIVE NETWORK SYNTHESIS BY LATTICE REDUCTION MAY 1959
BY THOMAS R. E. — DDC NR. 217031
VAN VALKENBURG M <CP — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 768-37650

AFOSR TN 59-585
NEW YORK UNIV NY
OPTIMIZATION OF THE ADAPTIVE FUNCTION BY Z-TRANSFORM METHOD NOV 1959
APPLICATIONS AND INDUSTRY P1-9 JUL 1960
BY CHANG, S. S. L — DDC NR. 217032
CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-37650

AFOSR TN 59-586
PRINCETON UNIV, N.J.
THE STABILITY OF PROPELLANTS AND THEORY OF THERMAL IGNITION MAY 1959
BY GLASSMAN, I. — DDC NR. 217105
CONTRACT NR. AF 18(600)-1927
PROJ/TASK NR. 9750-37501

AFOSR TN 59-587
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, LI, NY
EXPLORATORY STUDIES OF COMBUSTION IN SUPERSONIC FLOW - PART I-PLANE DETONATION WAVES PART II-OBLIQUE DETONATION WAVES JUN 1959
BY CROSS, R. A. — DDC NR. 216769
CONTRACT NR. AF 49(638)-19
PROJ/TASK NR. 9752-37921

AFOSR TN 59-588
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, LI, NY
SOME PROPERTIES OF A HYDROGEN PLASMA JUN 1959
BY EISEN, C. L. — DDC NR. 216770
CROSS, R. A. — CONTRACT NR. AF 49(638)-19
PROJ/TASK NR. 9747-37921

AFOSR TN 59-589
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, LI NY
A DETONATION WAVE HYPERSONIC RAMJET JUN 1959
REPRINT W/SAME TITLE IN CONTRACT FOLDER ARS JUN 1960 563-569 PROC 2D SYMPOS ADVANCED PROP CONCEPTS BOSTON 1959 PP 1-20
BY SARGENT, W. — DDC NR. 216811
GROSS, R. A. — CONTRACT NR. AF 49(638)-19
PROJ/TASK NR. 9752-37921

AFOSR TN 59-590
FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, LI, NY
A DIRECT NUCLEAR ELECTROGENERATOR JUN 1959
BY SCHOCK, A. M. — DDC NR. 216812
GROSS R <CPI> — CONTRACT NR. AF 49(638)-19
PROJ/TASK NR. 9751-37921

AFOSR TN 59-591
NATIONAL BUREAU OF STANDARDS
PHOTOCONDUCTIVE, PHOTOELECTROMAGNETIC, BOLOMETRIC AND NERST EFFECTS IN MAGNESIUM STANNIDE JUN 1959
BY BECKER, J. H. — DDC NR. 217010
SOCHARD, F. I. — CONTRACT NR. CSO 680-58-19
FREDRIKSE, H. P. R — PROJ/TASK NR. 9760-37601

AFOSR TN 59-592
MINNESOTA UNIV OF MINNEAPOLIS
AN ANALYTIC PROBLEM WHOSE SOLUTION FOLLOWS FROM A SIMPLE ALGEBRAIC IDENTITY JUN 1959
BY BAXTER, G. — DDC NR. 229261
CAMERON, R. H.<P.I.> — CONTRACT NR. AF 18(603)-30
PROJ/TASK NR. 9752-37922

AFOSR TN 59-593
HARVARD UNIV, CAMBRIDGE, MASS
NOTE ON INVARIANCE OF DEGREE OF POLYNOMIAL AND TRIGONOMETRI APPROXIMATION UNDER CHANGE OF INDEPENDENT VARIABLE AUG 1959
PROC NAS 45 1928-1929 OCT 1959
BY WALSH, J. L. — DDC NR. 217183
AHLFORS, L. V. <P.I. — CONTRACT NR. AF 18(600)-1461
PROJ/TASK NR. 9781-37727

AFOSR TN 59-594
ROCKETDYNE, CANOGA PARK CALIF
RADIATION ENVIRONMENT PROBLEM OF A NUCLEAR-POWERED ION ROCKET <U> JUN 1959
BY KIMURA, B. — DDC NR. 307801
BODEN, R. H.<P.I.> — CONTRACT NR. AF 49(638)-966
PROJ/TASK NR. 9752-37921

AFOSR TN 59-595
CALIFORNIA INST OF TECHNOLOGY, PASADENA
ASYMMETRICALLY EXCITED ELECTROMAGNETIC RADIATION FROM CIRCULAR CYLINDERS OF FINITE LENGTH AND PROLATE SPHEROIDS
BY KUEHL, H. H. — DDC NR. 217182
PAPAS C H<PI> — CONTRACT NR. AF 18(600)-1117
PROJ/TASK NR. 9768-37650

AFOSR TN 59-596
RUTGERS UNIV NEW BRUNSWICK, NJ
POWER CONVERSION WITH NONLINEAR REACTANCES JUN 1959
BY TOMPE, F. D. — DDC NR. 217181
SIBEIS, M. D. — CONTRACT NR. AF 49(638)-996
PROJ/TASK NR. 9768-37650

AFOSR TN 59-597
INS DE QUIMICA FISICA, MADRID SPAIN
KINETICS OF THE SULPHURATION OF METALLIC SURFACES MAY 1959
BY LLOPIS MARI J — DDC NR. 217180
CAMBOA, J M — CONTRACT NR. AF 61 <514>-1929
ARIZMENDI L — PROJ/TASK NR. 9761-37610

AFOSR TN 59-598
CALIFORNIA INST OF TECHNOLOGY PASADENA
SPATIAL DISTRIBUTION OF THERMAL RADIATION AT MICROWAVE FREQUENCIES JUN 1959
BY GEORGE, N. — DDC NR. 217179
PAPAS C HCPI> — CONTRACT NR. AF 18(600)-1117
PROJ/TASK NR. 9768-37650

AFOSR TN 59-599
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO NY
THE HYPERSONIC AERODYNAMICS OF SLENDER AND LIFTING CONFIGURATIONS JUN 1959
BY MOORE F. K. — DDC NR. 221896
CHENG H. K. — CONTRACT NR. AF 18(603)-PUJU
PROJ/TASK NR. 9785-37729

AFOSR TN 59-600
JOHNS HOPKINS UNIV BALTIMORE, MD.
ANOTHER UNSTEADY TURBULENT BOUNDARY LAYER JUN 1959
BY PERMEEFS M. — DDC NR. 217177
CLAUSER F. <P.I.> — CONTRACT NR. AF 18(603)-161
PROJ/TASK NR. 9781-37712

AFOSR TN 59-601
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
STATISTICAL THERMODYNAMICS
BY TISZA, L. — DDC NR. 266337
CONTRACT NR. AF 49(638)-99
PROJ/TASK NR. 9751-37911

AFOSR TN 59-602
PURDUE UNIV LAFAYETTE IND
A SYSTEM FOR THE ANALYI
A SYSTEM FOR THE ANALYSIS OF NITRATES, AND OXIDES OF NITROG
MAY 1959
BY VRATNY, F — DDC NR. 217175
CLIFFORD, A F <P.I.> — CONTRACT NR. AF 18<603>-45
PROJ/TASK NR. 9760-37601

AFOSR TN 59-603
NEW YORK UNIV NY
AN IMPROVED PERTUBATION THEORY FOR SHOCK WAVES PROPAGATING
THROUGH NON-UNIFORM REGIONS JUN 59
FLUID MECH 8 199-209 JUN 1960
BY FRIEDMAN, M. P. — DDC NR. 250943
KELLER, H. B.<P.I.> — CONTRACT NR. AF 49<638>-446
PROJ/TASK NR. 9781-37712

AFOSR TN 59-604
NEW YORK UNIV NY
MOTION OF A BORE OVER A SLOPING BEACH JUN 2959
FLUID MECH 7 302-316 FEB 1960
BY KELLER, H. B. — DDC NR. 240786
LEVINE, D. A. — CONTRACT NR. AF 49<638>-446
WHITHAM G B — PROJ/TASK NR. 9781-37712

AFOSR TN 59-605
STANFORD UNIV CALIF
A THEORY OF SMALL DEFORMATIONS OF SOLID BODIES FEB 1959
BY BESSELING, J. F. — DDC NR. 238419
HOFF N J<PI> — CONTRACT NR. AF 49<638>-223
PROJ/TASK NR. 9782-37718

AFOSR TN 59-606
MARYLAND UNIV OF COLLEGE PARK
ON THE SUPPRESSION OF P-STATE CAPTURE IN <K-,P> ATOMS
MAY 1959
BY DAY, T. B. — DDC NR. 217393
SNOW, G. A. — CONTRACT NR. AF 49<638>-24
SUCHER, J. — PROJ/TASK NR. 9751-37512

PROJ/TASK NR. 9768-37650

AFOSR TN 59-610
AEROJET-GENERAL CORP. AZUSA, CALIF
KINETICS OF THE SURFACE DEGRADATION OF POLYMETHYMETHACRYLAT
AUG 1959
J CHEM PHYS 32 141-146 JAN 1966
BY CHAIKEN, R< F. — DDC NR. 217397
ANDERSEN, W. H. — CONTRACT NR. AF 18<603>-74
BARSCH, M. K. — PROJ/TASK NR. 9750-37501
MISHUCK, E.
MOE, G.
SCHULTZ, R. D.

AFOSR TN 59-611
TEXAS UNIV OF AUSTIN
INTERACTIONS OF ACETYLENE AND AROMATIC HYDROCARBONS JUN 59
BY ANDERSON, R. C. — DDC NR. 217398
WALLACE, R. S. — CONTRACT NR. AF 18<603>-142
MATSEN, F. A.P.I.> — PROJ/TASK NR. 9751-37510

AFOSR TN 59-613
JOHNS HOPKINS UNIV BALTIMORE MD
MECHANISMS OF ISOTOPIC EXCHANGES IN THE BORON HYDRIDES
JUN 1959
ADVANCES IN CHEMISTRY SERIES AMER CHEM SOC NR 32 78-87 1961
BY KOSKI, W S — DDC NR. 217400
CONTRACT NR. AF 18<600>-1926
PROJ/TASK NR. 9760-37600

AFOSR TN 59-614
MARYLAND UNIV OF COLLEGE PARK
ON THE EXISTENCE THEOREM OF CARATHEODORY FOR ORDINARY AND
HYPERBOLIC EQUATIONS JUN 1959
BY WALTER, W L — DDC NR. 217401
WEINSTEIN, A<P.I.> — CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

AFOSR TN 59-615
BOSTON UNIV MASS
AN INEXPENSIVE INTEGRATING PHOTOMETER FOR MEASUREING XPRAY
FILM INTENSITIES
BY MCGANDY, E L — DDC NR. 221895
DEGELMAN, J — CONTRACT NR. AF 49<638>-65
ERIKS, K — PROJ/TASK NR. 9760-37600

AFOSR TN 59-616
ALABAMA UNIV OF
CONDUDTANCE OF THE HEXAFLUOCOMPLEXES OF THE FOURTH GROUP
JUL 1959
BY SCHMITT, R H — DDC NR. 217403
KASSNER, J L<P.I.> — CONTRACT NR. AF 18<600>-1567
GROVE, E. L. — PROJ/TASK NR. 9763-37630

AFOSR TN 59-617
WASHINGTON UNIV ST LOUIS MO
THE CATALYTIC AND PHOTO DECAY MODES OF THE MUON
NUOVO CIM SER X 15 7-17 JAN 1960
BY ROSEN S F — DDC NR. 247257
CONDON, E. U.<P.I.> — CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 59-618
MCMASTER UNIV ONTARIO CAN
SOME NEW ATOMIC MASS DETERMINATIONS MADE WITH A LARGE SINGLE
FOCUSING MASS SPECTROMETER MAY 1960
ADVANCES IN MASS SPECTROMETRY PERGAMON 1959
BY KERR J T — DDC NR. 238215
DAINBRIDGE R — CONTRACT NR. AF 49<638>-247
DEWDNEY J W — PROJ/TASK NR. 9750-37500
DUCKWORTH H E

AFOSR TN 59-619
NEW YORK UNIV NY
THE GENERAL ORIENTATIONS PROFILE <GOP>
PSYCH RPTS 5 561-569 1959
BY FRANCESCO, E — DDC NR. 264386
CONTRACT NR. AF 49<638>-195
PROJ/TASK NR. 9778-37707

AFOSR TN 59-620
TECHNION, RSCH & DEV FOUND HAIFA, ISRAEL
BOUNDS FOR SUMS OF RECIPROCALS EIGENVALUES JUL 1959
BUL RSCH COUNCIL OF ISRAEL 8F 91-102 DEC 1959
BY SCHWARZ, B. — DDC NR. 217684
CONTRACT NR. AF 61<052>-194
PROJ/TASK NR. 9783-37727

AFOSR TN 59-621
TEMPLE UNIV PHILADELPHIA PA
THE FASTEST BURNING FLAME-THE PREMIXED HYDROGEN-FLOURINE
FLAME FEB 1959
BY GROSSE, A V — DDC NR. 228782
KIRSHENBAUM, A D — CONTRACT NR. AF 18<600>-1475
PROJ/TASK NR. 9763-37630

AFOSR TN 59-622
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
A SEARCH FOR POLARIZATION IN FIELD-EMITTED ELECTRONS FINAL
REPROT JUN 1959
BY MULLER, E W — DDC NR. 217686
PIMBLEY, W T — CONTRACT NR. AF 18<600>-672
PROJ/TASK NR. 9761-37611

AFOSR TN 59-623
MICHIGAN STATE UNIV EAST LANSING
POLARIZATION OF THE Al 27 NUCLEI IN RUBY
PHYS REV LTRS 3 13-14 JUL 1959
BY COWEN, J A — DDC NR. 217687
SCHAFER, W R — CONTRACT NR. AF 49<638>-613
SPENCE, R D — PROJ/TASK NR. 9763-37631

AFOSR TN 59-624
MARYLAND UNIV OF COLLEGE PARK
SUGGESTED PAIR DISTRIBUTION FUNCTION FOR STRONGLY INTERACT
PARTICLES MAY 1959
BY AYRES, R — DDC NR. 217688
MEYERS, R D<P.I.> — CONTRACT NR. AF 49<638>-399
FERRELL, R A<P.I.> — PROJ/TASK NR. 9763-37631

AFOSR TN 59-625
HEBREW UNIV JERUSALEM ISRAEL
THE GERMANIUM CUK <2,2,2> DOUBLE X-RAY REFLECTIONS, I.
INDEXATION, APR 1959
BY ALEXANDER, E — DDC NR. 217689
FRAENKEL, B S — CONTRACT NR. AF 61<052>-222
KALMAN, Z H — PROJ/TASK NR. 9763-37631

AFOSR TN 59-626
INST. NACIONAL DE TECNICA AERONAUTICA, MADRID, SPAIN
JAN 1959, DISTRIBUTION OF RADICALS IN LAMINAR FLAMES, 1.
CRITERIUM OF VALIDITY OF THE STEADY STATE ASSUMPTION
BY MILLAN, G. — DDC NR. 217811
DARIVA, I. — CONTRACT NR. AF 61<514>-997
PROJ/TASK NR. 9751-37510

AFOSR TN 59-627
INST. NACIONAL DE TECHNICA AERONAUTICA, MADRID, PSAIN
JAN 1959, DISTRIBUTION OF RADICALS IN LAMINAR FLAMES, 2.
APPLICATION OF THE CRITERIUM OF VALIDITY OF THE STEADY STAT
ASSUMPTION TO SEVERAL FLAMES
BY DARIVA, I. — DDC NR. 217812
MILLAN, G. — CONTRACT NR. AF 61<514>-997
PROJ/TASK NR. 9751-37510

AFOSR TN 59-628
INST. NACIONAL DE TECNICA AERONAUTICA, MADRID SPAIN
JAN 1959 AN EXPERIMENTAL INVESTIGATION ON THE COMBUSTION OF
MONOPROPELLANT DROPLETS
BY PEREZ DEL NOTARIO, P. — DDC NR. 217813
TARIFA, C. S. — CONTRACT NR. AF 61<514>-997
MILLAN, G. <P.I.> — PROJ/TASK NR. 9751-37510

AFOSR TN 59-629
INST. NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN
JAN 1959 COMBUSTION OF FUEL SPRAYS
BY MILLAN, G. — DDC NR. 217814
DARIVA, I. — CONTRACT NR. AF 61<514>-997
SANZ, S. — PROJ/TASK NR. 9751-37510

AFOSR TN 59-630
MARYLAND UNIV OF COLLEGE PARK
AN ATTEMPT AT UNIVERSAL FOUR-FARMION INTERACTION JUN 1959
11 NUOVO CIMENTO <SUBMITTED>
BY PATI, J. C. — DDC NR. 218820
ONEDA, S. — CONTRACT NR. AF 49<638>-24
TOLL J S<PI> — PROJ/TASK NR. 9751-37512

AFOSR TN 59-631
MARYLAND UNIV OF COLLEGE PARK
SELECTED TOPICS FROM THE THEORY OF GAS FLOW AT HIGH TEMP-
ERATURES <VI> SOME ASPECTS OF PARTICLE INTERACTION IN GASES
JUN 1959
BY BURGERS J. M. — DDC NR. 218782
CONTRACT NR. AF 49<638>-401
PROJ/TASK NR. 9781-37713

AFOSR TN 59-632
POLYTECHNIC INST OF BROOKLYN NY
AN EXTENSION OF THE LINEARIZED CHARACTERISTICS METHOD FOR
CALCULATING THE SUPERSONIC FLOW AROUND ELLIPTIC CONES
J AEROSP SCI 27 667-674 SEP 60
BY MARTELLUCCI, A. — DDC NR. 219219
FERRI A<PI> — CONTRACT NR. AF 49<638>-217
PROJ/TASK NR. 9781-37712

AFOSR TN 59-633
PLASMADYNE CORP, SANTA ANA, CALIF
EQUILIBRIUM THERMODYNAMIC PROPERTIES OF HELIUM TO 60, 000°K
JUN 1959
BY CANN, G. L. — DDC NR. 228710
DUCATI, A. C. — CONTRACT NR. AF 49<638>-54
PROJ/TASK NR. 9752-37521

AFOSR TN 59-636
PRINCETON UNIV NJ
ON THE NEWTONIAN THEORY OF HYPERSONIC FLOW FOR A BLUNT BODY
MAY 1959
BY FREEMAN, N. C. DDC NR. 220140
BOGDONOFF S<PI> CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781-57712

AFOSR TN 59-637
PRINCETON UNIV NJ
ON A SINGULAR POINT IN THE NEWTONIAN THEORY OF HYPERSONIC
FLOW MAY 1959
BY FREEMAN, N. C. DDC NR. 220139
BOGDONOFF S<PI> CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781-57712

AFOSR TN 59-638
MILAN UNIV OF ITALY
CHANGES IN ELEMENTARY NEURON ACTIVITY PRODUCED BY SOME
NEUROTROPIC DRUGS
EXP MED AND SURGERY 17 65-66 MAR 1959
BY MARGARIA, R. DDC NR. 229173
GUALTIEROTTI, T. CONTRACT NR. AF 61(514)-693
SPINELLI, D PROJ/TASK NR. 7771
MORPURGO, C

AFOSR TN 59-639
PURDUE UNIV LAFAYETTE IND
THE GROWTH AND CRYSTAL STRUCTURE OF SINGLE CRYSTALS OF PT
<BO3>3.6 H2O JUL 1959
BY RICHARDSON, J W DDC NR. 218018
CHOI, Q W CONTRACT NR. AF 18(603)-65
VARATNY, F PROJ/TASK NR. 9769-57601
MORTO, J M
CLIFFORD, A. F.

AFOSR TN 59-639
MICHIGAN STATE UNIV EAST LANSING
ELECTRICAL RESISTIVITY OF THIN METALLIC WIRES JUL 1959
BY BLATT, F J DDC NR. 229470
SATZ, H CONTRACT NR. AF 49(638)-70
PROJ/TASK NR. 9769-57631

AFOSR TN 59-640
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
THE KINETICS OF WUSTITE SCALE FORMATION ON IRON JAN 1959
ACTA METALL 8 377-383 JUN 1960
BY SMELTZER, W W DDC NR. 247825
POUND, G M<P,I,> CONTRACT NR. AF 18(600)-1572
PROJ/TASK NR. 9761-57611

AFOSR TN 59-641
ROCHESTER UNIV OF NY
PHOTOCHEMICAL STUDIES, LIV. THE NITROUS OXIDES-ETHANE
SYSTEM.* LIQUID PRODUCTS AND COMPETITIVE RATES JUN 1959
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
BY BURAO, F DDC NR. 219173
BOYES, JR. W A CONTRACT NR. AF 18(600)
PROJ/TASK NR. 9760-57600

AFOSR TN 59-642
INST FOR ADVANCED STUDY PRINCETON, NJ
ON U & <16> G<E>>>U > FOR G<E> DS JUN 1959
BY KEMP, R. R. D. DDC NR. 229966
LEVINSON, N. CONTRACT NR. AF 18(600)-1109
MORSE, M.<P,I,> PROJ/TASK NR. 9769-57690

AFOSR TN 59-643
MARYLAND UNIV OF COLLEGE PARK
EXACT INFORMATION BY FINITE DIFFERENCE APPROXIMATION JUN 59
BY WEINBERGER, H F DDC NR. 218327
WEINSTEIN A <P,I,> CONTRACT NR. AF 49(638)-278
PROJ/TASK NR. 9783-57727

AFOSR TN 59-644
MARYLAND UNIV OF COLLEGE PARK
BOUNDS IN THE CAUCHY PROBLEM FOR THE LAPLACE EQUATION
ARCH RAT MECH ANAL 5 35-45 1960
BY PAYNE, L E DDC NR.
WEINSTEIN, A<P,I,> CONTRACT NR. AF 49(638)-278
PROJ/TASK NR. 9783-57727

AFOSR TN 59-645
ZAYDR CO., CAMBRIDGE MASS.
A PROGRESS REPORT ON MACHINES TO LEARN TO TRANSLATE
LANGUAGES AND RETRIEVE INFORMATION OCT 1959
BY SOLOMONOFF J. DDC NR. 228203
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9769-57699

AFOSR TN 59-647
NORTHWESTERN UNIV EVANSTON, ILL
AVERAGES OF FOURIER COEFFICIENTS 1959
BY GOLDBERG, R. R. DDC NR. 230020
CONTRACT NR. AF 49(638)-989
PROJ/TASK NR. 9783-57727

AFOSR TN 59-648
MARYLAND UNIV OF COLLEGE PARK
FURTHER RESULTS ON THE FLOW OF A CONDUCTING FLUID PAST A
MAGNETIZED SPHERE JUN 1959
BY LUDFORD, G. S. S. DDC NR. 218928
MURRAY, J. D. CONTRACT NR. AF 49(638)-154
PROJ/TASK NR. 9750-67500

AFOSR TN 59-649
MARYLAND UNIV OF COLLEGE PARK
ON SOME GENERALIZED CAUCHY PROBLEMS AND THE CONVEXITY OF
THEIR SOLUTIONS APR 1959
BY CARROLL R W DDC NR. 218961
WEINSTEIN, A<P,I,> CONTRACT NR. AF 49(638)-278
PROJ/TASK NR. 9783-57727

AFOSR TN 59-650
JOHNS HOPKINS UNIV BALTIMORE, MD
ON UNIQUENESS QUESTIONS FOR HYPERBOLIC DIFFERENTIAL
EQUATIONS MAY 1959
BY SHARAMAN, J. P. DDC NR. 230032
HARTMAN P<PI> CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-57727

AFOSR TN 59-651
MARYLAND UNIV OF COLLEGE PARK
ON A SINGULAR DIFFERENTIAL OPERATOR JUN 1959
BY WEINSTEIN, A DDC NR. 218326
CONTRACT NR. AF 49(638)-278
PROJ/TASK NR. 9783-57727

AFOSR TN 59-652
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
LORENTZ STRUCTURES ON THE PLANE
TRANS AMER MATH SOC 95 226-237 MAY 1960
BY SMITH, J. M. DDC NR. 228329
MARTIN, T. <P,I,> CONTRACT NR. AF 49(638)-67
PROJ/TASK NR. 9769-57658

AFOSR TN 59-656
MILAN UNIV OF ITALY
DETERMINAZIONE DELLA SOGLIA DELLE RISPOSTE ROTATORIE
CEREBELLARI DAL FLOCCULO-NODULO DEL GATTO CURARIZZATO
DETERMINATION OF THE THRESHOLD OF THE ROTATORY RESPONSE IN
THE CEREBELLUM OF THE CURARIZED CAT
RENDICONTI DELL-ACCADEMIA NAZIONALI DEI LINCEI, SER. VIII,
V, FAVI FASCI-JAN 59
BY GUALTIEROTTI T DDC NR.
PASSERINI D CONTRACT NR. AF 61(052)-23
MARGARIA R<P,I,> PROJ/TASK NR. 9777-57701

AFOSR TN 59-655
MILAN UNIV OF ITALY
VARIABILITA DI ALCUNI CARATTERI FUNZIONALI ELEMENTARI DEL
SISTEMA NERVOSO CENTRALE RILEVATI NELL-UOMO VARIABILITY OF
SOME CHARACTERISTIC ELEMENTARY FUNCTIONS OF THE CENTRAL
NERVOUS SYSTEM OBSERVED IN MAN
REND ACCADEMIA NAZIONALE DEI LINCEI SER., VIII, V, FASC
I, JAN 59
BY GUALTIEROTTI T DDC NR.
CONTRACT NR. AF 61(052)-23
PROJ/TASK NR. 9777-57701

AFOSR TN 59-656
UPPSALA UNIV OF SWEDEN
AN X-RAY
AN X-RAY STUDY OF PHOSPHIDES OF THE OF THE PLATINUM METALS
JUL 1959
BY RUNDQVIST, S DDC NR. 224185
HAGG, G.<P,I,> CONTRACT NR. AF 61(052)-60
PROJ/TASK NR. 9762-57621

AFOSR TN 59-657
MICHIGAN UNIV OF ANN ARBOR
REDUNDANCY IN TASE ASSIGNMENTS AND GROUP PERFORMANCE APR 59
PSYCHOMETRIKA 24 361-369 DEC 1959
BY ZAJONC, R. B. DDC NR. 230805
SHAFF, W M CONTRACT NR. AF 49(638)-367
PROJ/TASK NR. 9778-57708

AFOSR TN 59-658
CALIFORNIA INST. OF TECHNOLOGY PASADENA
THE BRIGHTEST MAIN SEQUENCE STAR IN M67
ASTRON SOC OF THE PACIFIC PUBL 71 OCT 1959 651-654
BY WALLERSTEIN, G. DDC NR. 234113
GREENSTEIN J L<PI> CONTRACT NR. AF 49(638)-71
PROJ/TASK NR. 9776-57649

AFOSR TN 59-659
STANFORD UNIVERSITY
TRANSLATION INVARIANT FUNCTION ALGEBRAS ON ABELIAN GROUPS
AUG 1959
BY DELEEUW, K. DDC NR. 225363
MIRKIL, H. CONTRACT NR. AF 49(638)-296
PROJ/TASK NR. 9769-57650

AFOSR TN 59-660
SYRACUSE UNIV NY
EFFECT OF TEMPERATURE ON CARBONYL AND NITRILE STRETCHING
FREQUENCIES IN SOLUTION JUL 1959
BY FISHMAN, F DDC NR. 220775
KRASOFSKA M. CONTRACT NR. AF 49(638)-1
PROJ/TASK NR. 9760-57600

AFOSR TN 59-661
ROYAL INST OF TECHNOLOGY, STOCKHOLM SWEDEN
ON THE CRYSTAL STRUCTURE OF TELLURIUM <IV> CATHECOLATE, JUL
1959
BY ANTIKAINEN, P J DDC NR. 232076
LUNDGREN, G CONTRACT NR. AF 61(052)-162
SILLEN, L G<P,I,> PROJ/TASK NR. 9760-57600

AFOSR TN 59-662
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
#29 STUDIES ON THE HYDROLYSIS OF METAL IONS THE HYDROLYSIS
OF AG6 IN ACID SALT-MEDIUM
ACTA CHEM SCAND 14 711-716 1960
BY BIEDERMANN, G DDC NR. 259002
NIETANEN, S CONTRACT NR. AF 61(052)-162
SILLEN, L G<P,I,> PROJ/TASK NR. 9760-57600

AFOSR TN 59-663
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
POTENTIOMETRIC STUDY OF THE ARGENTATE <I> COMPLEX IN
ALKALINE SOLUTION, JUL 1959
BY ANTIKAINEN, P J DDC NR. 232056
NIETANEN, S CONTRACT NR. AF 61(052)-162
SILLEN, L G PROJ/TASK NR. 9760-57600

AFOSR TN 59-664
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
APPLICATION OF THE LIQUID DISTRIBUTION METHOD TO THE STUDY
OF THE HYDROLYSIS OF AG JUL 1959
BY ANTIKAINEN, P J DDC NR. 232053
OYRSSEN, D CONTRACT NR. AF 61(052)-162
SILLEN, L G<P,I,> PROJ/TASK NR. 9760-57600

AFOSR TN 59-665
POLYTECHNIC INST OF BROOKLYN
CREEP-STRESS ANALYSIS OF THIN-WALLED STRUCTURES JUL 1959
BY PATEL, S. A. DDC NR. 229049
PANDALAI, K. A. V. CONTRACT NR. AF 49(638)-302
VENKATRAMAN, B<P,I,> PROJ/TASK NR. 9782-57711
EDMONDS, J. <P,I,>

AFOSR TN 59-667
NEW HAMPSHIRE UNIV DURHAM
EVIDENCE FOR THE A-SE2 MECHANISM IN THE ACID-CATALYSED AROM
PROTODEBORONATION
CHEM & INDUS 1120-1121 1959
BY KUIVILA, H G — DDC NR. 246904
NAHABEDIAN, K V — CONTRACT NR. AF 49(638)-312
PROJ/TASK NR. 9760-37600

AFOSR TN 59-668
CORNELL UNIV ITHACA NY
A MASS SPECTROMETRIC AND THERMODYNAMIC STUDY OF GASEOUS
TRANSITION METAL (II) HALIDES
J CHEM PHYS 33 1586-1589 DEC 1959
BY PORTER, R F — DDC NR.
SCHOONMAKER, R C — CONTRACT NR. AF 18(603)-1
FRIEDMAN, A H — PROJ/TASK NR. 7772-9763

AFOSR TN 59-669
UNIV COLLEGE, CORK, IRELAND
JUN 59, A PROPERTY OF BOUNDED REGULAR FUNCTIONS
BY KENNEDY, P. B. — DDC NR. 218381
CONTRACT NR. AF 61(514)-1399
PROJ/TASK NR. 9769-37658

AFOSR TN 59-670
UNIV COLLEGE CORK, IRELAND
JUN 59 ON A CLASS OF FUNCTIONS REGULAR AND BOUNDED IN THE
UNIT CIRCLE
BY KENNEDY, P. B. — DDC NR. 218382
CONTRACT NR. AF 61(514)-1399
PROJ/TASK NR. 9769-37658

AFOSR TN 59-671
AARHUS UNIV DENMARK
FEB. 1959. ON THE DISTRIBUTION OF THE RANDOM VARIABLE H N
BY ANDERSEN E. D. — DDC NR. 218383
CONTRACT NR. AF 61(052)-42
PROJ/TASK NR. 9769-37658

AFOSR TN 59-672
AARHUS UNIV DENMARK
FEB. 1959. ON THE DISTRIBUTION OF THE RANDOM VARIABLE H N.
A TECHNICAL SUMMARY REPORT, 1 JAN-31 DEC. 1958
BY ANDERSEN E. S. — DDC NR. 218384
CONTRACT NR. AF 61(052)-42
PROJ/TASK NR. 9769-37658

AFOSR TN 59-673
TECHNISCHE HOCHSCHULE MUNICH GERM
THE NUMERICAL SOLUTION OF BOUNDARY-VALUE PROBLEMS FOR
CERTAIN HYPERBOLIC LINEAR DIFFERENTIAL EQUATIONS
BY STETTER H J — DDC NR. 218385
SAVER, R. (P.I.) — CONTRACT NR. AF 61(514)-1080
PROJ/TASK NR. 9781-37712

AFOSR TN 59-674
COPENHAGEN UNIV OF DENMARK
SINGLE UNIT OFF RESPONSES TO BRIEF FLASHES IN CAT-S OPTIC
TRACT
J NEUROPHYSIOL 22 88-97 1959
BY LENNOX, M A — DDC NR. 218386
CONTRACT NR. AF 61(052)-189
PROJ/TASK NR. 9777-37700

AFOSR TN 59-675
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC SUBSTANCES SUITABLE FOR MASER OPERATION IN THE
THE MILLIMETER RANGE
SYMP ON MILLIMETER WAVES APR 1959 P 45-56 PIB PRESS VIX
MRI SYMP SERIES
BY LOW, W — DDC NR. 218387
CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR TN 59-676
MASSACHUSETTS INST OF TECHNOLOGY
ON LARGE DEFLECTION OF CURVED STWIPS UNDER COMBINED THERMAL
AND PRESSURE LOADING MAY 1959
BY CHEN M. M. — DDC NR. 219871
CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-37718

AFOSR TN 59-677
CALIFORNIA UNIV OF BERKELEY
NOTE ON THE K-MOSON NUCLEON INTERACTION JUL 1959
2(9)510-513,* JUN 1959
BY KARPLUS R — DDC NR. 225767
KERTH L — CONTRACT NR. AF 49(638)-327
KYCIA T — PROJ/TASK NR. 9750-37500

AFOSR TN 59-678
WASHINGTON UNIV ST LOUIS MO
POLARIZATION OF PROTONS IN C12(D, P) C 13
PHYS REV 116 996-998 NOV 1959
BY ALLAS, R. G. — DDC NR. 247257
SHULL, F. B. — CONTRACT NR. AF 18(603)-108
CONDON, E. U.(P.I.) — PROJ/TASK NR. 9751-37512

AFOSR TN 59-679
NEW YORK UNIV NY
POWER STRUCTURE AND COALITIONS IN THREE PERSON GROUPS
BY BORGATTA M L — DDC NR.
BORGATTA, R F(P.I.) — CONTRACT NR. AF 49(638)-195
PROJ/TASK NR. 9778-37707

AFOSR TN 59-680
CALIFORNIA INST OF TECHNOLOGY PASADENA
THEORY OF THROUGHFLOW IN AXIAL TURBOMACHINES WITH VARIABLE
WALL GEOMETRY AUG 1959
BY MARBLE F. E. (P.I.) — DDC NR.
CONTRACT NR. AF 49(638)-497
PROJ/TASK NR. 9781-37712

AFOSR TN 59-681
PLASMADYNE CORP SATNA ANA CALIF
A CONTINUOUS HIGH TEMPERATURE GAS FLOW FACILITY FOR
MAGNETOHYDRODYNAMIC STUDIES JUN 1959
BY BLACKMAN V H — DDC NR. 225412
LOOS H G — CONTRACT NR. AF 49(638)-334
PROJ/TASK NR. 4750-47503

AFOSR TN 59-685
CORNELL UNIV ITHACA, N Y
FLUTTER ANALYSIS OF A SUPERSONIC RING WING JUNE 1959
JAEROSP SCI 29,*578-582,* MAY 1962
BY CRIMI P — DDC NR. 227075
SEARS W R (P.I.) — CONTRACT NR. AF18(600)-1523
PROJ/TASK NR. 9781-37712

AFOSR TN 59-686
NEW YORK UNIV N Y
ATTEMPTS AT DERIVATION OF TRANSITION FROM LAMINAR INTO
TURBULENT FLOW ALONG A FLAT PLATE JUN 1959
BY KELLER H B — DDC NR. 226270
DE SANTO D F — CONTRACT NR. AF 18(603)-25
PARTHASARATHY R — PROJ/TASK NR. 9781-37712

AFOSR TN 59-687
SOUTH CAROLINA UNIV OF COLUMBIA
APPLICATIONS OF DIELECTRIC PRISMS AT MILLIMETER
WAVELENGTHS JUL 1959
BY FELLERS R. G. — DDC NR. 219785
CONTRACT NR. AF 18(603)-43
PROJ/TASK NR. 9768-37650

AFOSR TN 59-688
TEXAS UNIV AUSTIN
SPECTROSCOPIC EVIDENCE FOR LONG-RANGE REPULSIVE
INTERMOLECULAR FORCES
J CHEM PHYS 31 473-476 AUG 1959
BY ROBERTSON, W W — DDC NR. 219402
KING, JR A D — CONTRACT NR. AF 49(638)-35
PROJ/TASK NR. 9763-37630

AFOSR TN 59-689
PRINCETON UNIV NJ
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS
XXIX. DIELECTRIC RELAXATION AND GROUP ROTATION IN SOME
AROMATIC METHOXY COMPOUNDS
JACS 82 2106-2110 MAY 1960
BY ROBERTI, D M — DDC NR.
SMYTH C P — CONTRACT NR. AF 18(600)-1331
PROJ/TASK NR. 9760-37600

AFOSR TN 59-690
PRINCETON UNIV N J
ON THE LIMITING STRUCTURE OF THE EDGE OF A
HYPERSONIC BOUNDARY LAYER WITH VERY COLD FREE
STREAMS MAY 1959
BY FREEMAN N. C. — DDC NR. 240233
LAM S. H. — CONTRACT NR. AF 49(638)-465
BOGDONOFF, S(P.I.) — PROJ/TASK NR. 9781-37712

AFOSR TN 59-691
MINNESOTA UNIV OF MINNEAPOLIS
A TWO DIMENSIONAL OPERATOR IDENTITY WITH APPLICATION TO THE
CHANGE OF SIGN IN SUMS OF RANDOM VARIABLES
BY BAXTER G — DDC NR. 226551
CAMERON, R. H. — CONTRACT NR. AF 18(603)-30
PROJ/TASK NR. 9752-37522

AFOSR TN 59-692
PURDUE UNIV LAFAYETTE, IND
A NOTE ON NONNEGATIVE MATRICES MAR 1960
CAN J MATH 13,*59-62,* 1961
BY PUTNAM C. R. — DDC NR. 233512
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9752-37522

AFOSR TN 59-693
STEVENS INST OF TECHNOLOGY HOBOKEN, N J
ASPECTS OF THE STATISTICAL THERMODYNAMICS OF REAL FLUIDS
J CHEM PHYS 32,*119-124,* JAN 1960
BY REISS H — DDC NR. 241007
FRISCH H. L. — CONTRACT NR. AF 49(638)-352
HELFAND — PROJ/TASK NR. 9751-37511
FAJANS, J.(P.I.)
LEBONITZ, J L(P.I.)

AFOSR TN 59-694
CATHOLIC UNIV OF AMERICA WASH D C
MEAN FREE PATH IN DENSE GASES AND LIQUIDS MAR 1959
BY MEIJER P. H. E. — DDC NR.
BOWEN J. I. — CONTRACT NR. AF 49(638)-452
PROJ/TASK NR. 9751-37511

AFOSR TN 59-695
WASHINGTON UNIV ST LOUIS MO
NUCLEON STRUCTURAL CORRECTIONS TO FIRST FORBIDDEN UNIQUE
BETA TRANSITIONS
PHYS REV 116 1604-1609 DEC 1959
BY DREITLEIN, J F — DDC NR. 247257
CONDON, E. U.(P.I.) — CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9751-37512

AFOSR TN 59-696
JOHNS JOPKINS UNIV, BALTIMORE, MD
LAMELLAR GRATING FAR-INFRARED INTERFEROMETER
50,*113-118,* FEB 1960
BY STRONG J — DDC NR. 240846
VANASSE G. A. — CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR. 9768-37650

AFOSR TN 59-697
LYONS UNIV OF FRANCE
SUBCORTICAL PHOTICALLY AND SOMESTHETICALLY EVOKED ELECTRIC
ACTIVITY IN THE HUMAN BRAIN DURING ATTENTION
BY JOUVET, M — DDC NR.
CONTRACT NR. AF 61(514)-1206
PROJ/TASK NR. 9778-37708

AFOSR TN 59-698
U. S. BUREAU OF MINES BARTLESVILLE, OKLA
COMBUSTION CALORIMETRY ORGANIC FLUORINE COMPOUNDS AUG 1959
BY GOOD W. D<
SCOTT D. W.
MCCULLOUGH, J P
DDC NR. 219968
CONTRACT NR. CSO 680-59-9
PROJ/TASK NR. 4759-03

AFOSR TN 59-699
U. S. BUREAU OF MINES BARTLESVILLE, OKLA
COMBUSTION CALORIMETRY. ORGANOMETALLIC COMPOUNDS AUG 1959
BY GOOD W. D.
SCOTT D. W.
MCCULLOUGH, J P<P.I.
DDC NR. 219970
CONTRACT NR. CSO 680-59-9
PROJ/TASK NR. 4759-03

AFOSR TN 59-700
PRINCETON UNIV N J
FURTHER STUDIES ON THE LIGHT SCATTERING TECHNIQUE FOR DETERMINATION OF SIZE DISTRIBUTIONS IN BURNING SPRAYS - I APR 1959
BY DOBBINS R. A.
GLASSMAN I
DDC NR. 220496
CONTRACT NR. AF 18<600>-1527
PROJ/TASK NR. 9750-37501

AFOSR TN 59-701
CALIFORNIA UNIV BERKELEY CALIF
VECTOR POLAR METHOD FOR SHOCK INTERACTIONS WITH AREA DISTURBANCES JUL 1959.
BY OPPENJEIM A. K.
URTIEW P
DDC NR. 220405
CONTRACT NR. AF 49<638>-166
PROJ/TASK NR. 9751-37510

AFOSR TN 59-703
POLYTECHNIC INST OF BROOKLYN N Y
A NON-LINEAR NON-STEADY AEROTHERMOCHEMICAL ANALYSIS OF COMBUSTION INSTABILITY IN A ROCKET CHAMBER
BY BERGER H
AGOSTA V D
DDC NR. 228733
CONTRACT NR. AF 49<638>-165
PROJ/TASK NR. 9751-37510

AFOSR TN 59-704
TECHNICAL UNIV OF NORWA TROUDHEIM
AN ELECTRON DIFFRACTION INVESTIGATION OF THE MOLECULAR STRUCTURE OF ALLENE
ACTA CHEM SCAND 13 1699-1702 1959
BY ALMENNINGEN, A
BASTIANSON, G
TRAETTENERG, M
DDC NR. 230376
CONTRACT NR. AF 61<052>-72
PROJ/TASK NR. 9760-37600

AFOSR TN 59-705
PENNSYLVANIA UNIV OF PHILADELPHIA
ON THE ROLE OF CONDENSED VACANCIES AND INTERSTITIALS IN FATIGUE
NATURWISSERSCHAFTEN 9 334-335 1959
BY MCCRONE, R K
KUHLMANN-WILSDORF, D
MADDIN, R.<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-435
PROJ/TASK NR. 9760-37601

AFOSR TN 59-706
OHIO STATE UNIV COLUMBUS
THE VAPORIZATION OF RARE EARTH OXIDES MAY 1959
J AMER CERAM SOC 43 229-233 MAY 1960
BY WALSH, P N
GOLDSTEIN, H W
WHITE, D
HOCH, M <P.I.>
DDC NR.
CONTRACT NR. AF 18<600>-1565
PROJ/TASK NR. 9762-37621

AFOSR TN 59-707
PITTSBURGH UNIV OF PA
STUDY OF THE WURTZITE-TYPE BINARY COMPOUNDS. IV. THEORY OF DOUBLE REFRACTION
J CHEM PHYS 32 62-66 JAN 1960
BY KEFFER, F
DEAN, C<P.I.>
ANDERSON, J<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-323
PROJ/TASK NR. 9760-37601

AFOSR TN 59-708
MODENA UNIV OF ITALY
ELECTROCHEMICAL BEHAVIOUR OF GRAPHITE ELECTRODES IN SOLUTIO OF VARIOUS PH CONTAINING OXYGEN HYDROGEN PEROXIDE APR 1959
BY BIANCHI, G
CAPRIOGLIO, G
GASPERINI, F
MAZZA, F
DAVOLIO, G.
DDC NR. 219263
CONTRACT NR. AF 61<052>-85
PROJ/TASK NR. 9761-37610

AFOSR TN 59-709
TECHNISCHE HOCHSCHULE, MUNICH GERM
RIEMANN S PROBLEM FOR A LAVAL-NOZZLE - I> HYDRAULIC APPROXIMATION AUG 1959
BY SCHATZ R
SAUER, R. <P.I.>
DDC NR. 230223
CONTRACT NR. AF 61<514>-1080
PROJ/TASK NR. 9781-37712

AFOSR TN 59-710
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ELASTIC-PLASTIC TORSION OF A CIRCUMFERENTIALLY NOTCHED BAR AUG 1959
BY WALSH, J B
MACKENZIE, A C
MCCLINTOCK, F<P.I.>
DDC NR. 225303
CONTRACT NR. AF 18<600>-957
PROJ/TASK NR. 9760-37601

AFOSR TN 59-711
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
CONTRIBUTION OF INTERFACE COUPLES TO THE ENERGY OF A DISLOCATION AUG 1959
ACTA METAL 8 127 1960
BY CCLINTOCK, F A
DDC NR. 225302
CONTRACT NR. AF 18<600>-957
PROJ/TASK NR. 97601-37601

AFOSR TN 59-712
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON NOTCH SENSITIVITY AUG 1959
BY MCCLINTOCK, F A
DDC NR. 225304
CONTRACT NR. AF 18<600>-957
PROJ/TASK NR. 9760-37601

AFOSR TN 59-713
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE SINGLY-GROOVED, PLANE STRAIN TENSILE TEST AUG 1959
BY MCCLINTOCK, F A
DDC NR. 225301
CONTRACT NR. AF 18<600>-957
PROJ/TASK NR. 9760-37601

AFOSR TN 59-714
CALIFORNIA UNIV OF LOS ANGELES
YIELD SURFACE AND PLASTIC POTENTIAL OF METALS JUL 1959
BY LIN, T H
DDC NR. 229478
CONTRACT NR. AF 49<638>-20
PROJ/TASK NR. 9763-37631

AFOSR TN 59-715
SYRACUSE UNIV NY
ELECTRON SPIN-LATTICE RELAXATION IN PHOSPHORUS DOPED SILICO JUN 1959
PHYS REV 117 69-83 JAN 1960
BY HONIG, A
STUPP, E
DDC NR. 218352
CONTRACT NR. AF 18<603>-50
PROJ/TASK NR. 9760-37601

AFOSR TN 59-716
STANFORD RSCH INST MENLO PARK CALIF
LUMINESCENCE OF SOLIDS PRODUCED BY SURFACE RECOMBINATION OF ATOMS
J CHEM PHYS 30 1355-1356 MAY 1959
BY SANCIER, K M
FREDERICKS, W J
WISE, H
SILVA, W J
DDC NR. 220729
CONTRACT NR. AF 49<638>-353
PROJ/TASK NR. 9760-37601

AFOSR TN 59-717
ILLINOIS UNIV OF URBANA
PHOTOCONDUCTIVE HALL EFFECT IN SILVER BROMIDE - JUN 1959
BY BURNHAM, D C
MAURER, R J<P.I.>
DDC NR. 226402
CONTRACT NR. AF 18<600>-662
PROJ/TASK NR. 9760-37601

AFOSR TN 59-719
NORTHWESTERN UNIV EVANSTON ILL
THE PLASTIC DEFORMATION OF SINGLE CRYSTALS OF AN ALUMINUM SILVER ALLOY
PHIL MAG 4 1260-1277 NOV 1959
BY KELLY, A
LASSILA, A
SATO, S
FINE, M E<P.I.>
DDC NR. 239913
CONTRACT NR. AF 18<600>-1468
PROJ/TASK NR. 9760-37601

AFOSR TN 59-720
MARYLAND UNIV OF COLLEGE PARK
UPPER AND LOWER BOUNDS FOR QUADRATIC INTEGRALS, AND AT A POINT, FOR SOLUTIONS OF LINEAR BOUNDARY VALUE PROBLEMS JUN 1959
BY DIAZ, J B
WEINSTEIN, A<P.I.>
DDC NR. 219685
CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

AFOSR TN 59-721
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
ON THE SCATTERING OF WAVES BY A DISK JUN 1959
BY MEIRS, A E.
MACCAMY R. C.
NEHARI Z <P.I.>
DDC NR. 229946
CONTRACT NR. AF 49<638>-227
PROJ/TASK NR. 9783-37727

AFOSR TN 59-722
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF <TIC14.POC13>2 AUG 1959
BY BRANDEN, C L
LINDQVIST, I
DDC NR. 226387
CONTRACT NR. AF 61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR TN 59-729
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF SNC14.2SEOC12 AUG 1959
BY HERMODSSEN, Y
LINDQUIST, I<P.I.>
DDC NR. 226386
CONTRACT NR. AF 61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR TN 59-725
VIRGINIA UNIV OF CHARLOTTESVILLE.
MAPPING NORMS
PROC. NAS 45.*1431-1436.* SEP 1959
BY WHYBURN G. T.
DDC NR. 220353
CONTRACT NR. AF 49<638>-72
PROJ/TASK NR. 9783-37727

AFOSR TN 59-726
STANFORD RSCH INST MENLO PARK CALIF
LATTICE ENERGIES OF THE ALKALI HALIDES AND THE ELECTRON AFFINITIES OF THE HALOGENS
J CHEM PHYS 31 1646-1651 DEC 1959
BY CUBICCIOTTI, D
DDC NR. 225024
CONTRACT NR. AF 49<638>-89
PROJ/TASK NR. 9760-37600

AFOSR TN 59-727
PRINCETON UNIV N J
HEAT TRANSFER THROUGH A REGION OF CLOSEDPSTREAMLINE MAY 1959
BY LAM S. H.
BOGDONOFF, S<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-37712

AFOSR TN 59-728
PRINCETON UNIV N J
ON THE MACH NUMBER INDEPENDENCE PRINCIPLE FOR A HYPERSONIC BOUNDARY LAYER JUL 1959
BY FREEMAN N. C.
LAM S. H.
BOGDONOFF S
DDC NR. 233046
CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-37712

AFOSR TN 59-729
PRINCETON UNIV NJ
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN IN LIQUIDS. XXVIII. THE DIELECTRIC RELAXATION OF SOME RIGID MOLECULES IN VISCOUS SOLUTIONS 1.2
JACS 82 783-787 FEB 1960
BY KALMAN, O F
SMYTH, C P
DDC NR. 245262
CONTRACT NR. AF 18<600>-1331
PROJ/TASK NR. 9760-37600

AFOSR TN 59-730
OREGON UNIV OF EUGENE
OPTICAL RESOLUTION BY MOLECULAR COMPLEXATION CHROMATOGRAPHY
J CHROMATOGRAPHY 3 364-368 1960
BY ELEMM, L H — DDC NR. 237070 — CONTRACT NR. AF 49(638)-473 — PROJ/TASK NR. 9761-97610

AFOSR TN 59-731
LUND UNIV OF SWEDEN
EQUILIBRIUM STUDIES ON DISULFIDES BY USE OF VAPOR PHASE CHROMATOGRAPHY JUN 1959
BY OLANDER C. J. — SUMNER S. — DDC NR. 219421 — CONTRACT NR. AF 61(052)-46 — PROJ/TASK NR. 9750-97501

AFOSR TN 59-732
MODENA UNIV OF ITALY
INFLUENCE OF SURFACE PREPARATION OF PLATINUM ELECTRODES ON CATHODIC PROCESSES OF HYDROGEN PEROXIDE
ELECTROCHEMICA ACTA 10-21 1959
BY BIANCHI, G — CAPPIOGLIO, G — DDC NR. 219364 — CONTRACT NR. AF 61(052)-89 — PROJ/TASK NR. 9761-97610

AFOSR TN 59-733
VIRGINIA UNIV OF CHARLOTTESVILLE
TRANSFORMATION GROUPS ON A JUN 1959
BY CONNER P. E. — WHYBURN G T — DDC NR. 220356 — CONTRACT NR. AF 49(638)-72 — PROJ/TASK NR. 9783-97727

AFOSR TN 59-734
MIDWEST RSCH INST
EXPANSION OF THE GAUSSIAN HYPERGEOMETRIC FUNCTION IN SERIES OF FUNCTIONS OF THE SAME KIND, AUG 1959
BY COLEMAN R. — LUKE Y. L. — DDC NR. 229713 — CONTRACT NR. AF 49(638)-68 — PROJ/TASK NR. 9769-97658

AFOSR TN 59-735
VIRGINIA UNIV OF CHARLOTTESVILLE
THE ABSOLUTE CONTINUITY OF TEOPLITZ MATRICES JUL 1959
BY ROSENBLUM M. — WHYBURN G T — DDC NR. 220355 — CONTRACT NR. AF 49(638)-72 — PROJ/TASK NR. 9783-97727

AFOSR TN 59-736
WESTERN RESERVE UNIV CLEVELAND O
FITTING OF TABULATED DATA TO AN ANALYTIC FORM JUL 1959
BY WALTERS, V F — TAUBER, G E — MAJOR, J R <P,I ,> — DDC NR. 220083 — CONTRACT NR. AF 18(603)-61 — PROJ/TASK NR. 9750-97506

AFOSR TN 59-737
REASSELAER POLYTECHNIC INST TROY N Y
ON THE THRUST HYPOTHESIS FOR THE JET FLAP INCLUDING MIXING EFFECTS
J AEROSP SCI 27,9 607-614,9 AUG 1960
BY YEN E. T. — DDC NR. 225016 — CONTRACT NR. AF 49(638)-23 — PROJ/TASK NR. 9781-97712

AFOSR TN 59-738
NEW YORK UNIV N Y
A ATFAU/AND LS CHARACTERISTICS OF LARGE, HIGH-PRESSURE RFI COUNTERS SLOPE
REV. SCI. INST. 30,9662-666,9 JUN 1959
BY MENDELL R — KORFF S A — DDC NR. 230018 — CONTRACT NR. AF 18(600)-1959 — PROJ/TASK NR. 9751-97512

AFOSR TN 59-739
MARYLAND UNIV OF COLLEGE PARK
THE PAIR DISTRIBUTION FUNCTION OF A BOSE HARD SPHERE SYSTEM, CALCULATED TO THE FIRST ORDER OF THE SCATTERING LENGTH JUL 1959
BY COLIN L. — PERETTI J. — MONTROLL, E W<P,I,> — DDC NR. 220096 — CONTRACT NR. AF 18(600)-1319 — PROJ/TASK NR. 9751-97511

AFOSR TN 59-740
MARYLAND UNIV OF COLLEGE PARK
ON UNIQUENESS THEOREMS FOR ORDINARY DIFFERENTIAL EQUATIONS AND FOR PARTIAL DIFFERENTIAL EQUATIONS OF HYPERBOLIC TYPE JUL 1959
BY DIAZ, J B — WLATER, W L — WEINSTEIN, A<P,I,> — DDC NR. 219686 — CONTRACT NR. AF 49(638)-220 — PROJ/TASK NR. 9783-97727

AFOSR TN 59-741
WISCONSIN UNIV OF MADISON
THE NATURE OF PI-BONDING FROM OXYGEN TO SILICON IN ORGANOSILICON COMPOUNDS DEC1959
BY BAILEY R H — LAKE R J — WEST R — WHATLEY L S — DDC NR. 229478 — CONTRACT NR. AF 49(638)-285 — PROJ/TASK NR. 9760-97600

AFOSR TN 59-742
ARMOUR RSCH FOUND CHICAGO ILL
SODIUM OZONIDE
JACS 84 188-189 1962
BY SOLOMON, I J — KACMARYK, A J — SCHOSSBERGER, F<P,I, — DDC NR. 239638 — CONTRACT NR. AF 49(638)-618 — PROJ/TASK NR. 9760-97600

AFOSR TN 59-743
CORNELL UNIV ITHACA NY
THE TEMPERATURE DEPENDENCE OF RAMAN INTENSITIES AUG 1959
J CHEM PHYS 32 222-223 JAN 1960
BY CHANTRY, G W — PLANE, R A<P,I,> — DDC NR. 227604 — CONTRACT NR. AF 49(638)-279 — PROJ/TASK NR. 9760-97600

AFOSR TN 59-744
UNIVERSITY COLLEGE CORK IRELAND
FOURIER SERIES FOR TWO-POINT BOUNDARY PROBLEMS NOV 1959
BY QUINLAN, P M — DDC NR. 239280 — CONTRACT NR. AF 61(514)-1163 — PROJ/TASK NR. 9783-97737

AFOSR TN 59-745
COLUMBIA UNIV NY
THEORY OF STAURATION IN ELECTRON SPIN RESONANCE SPECTRA SEP 1959
J CHEM PHYS 32 1435-1444 MAY 1960
BY FRAENKEL, G K — DDC NR. 230216 — CONTRACT NR. AF 49(638)-420 — PROJ/TASK NR. 9769-97670

AFOSR TN 59-746
PRINCETON UNIV NJ
CHEMICALLY INDUCED VIBRATIONAL EXCITATION,& HYDROXYL RADICA EMISSIONS FORMED IN THE H & O3 ATOMIC FLAME AUG 1959
J CHEM PHYS 32 880-887 MAR 1960
BY GARVIN, D — DDC NR. 226973 — CONTRACT NR. AF 18(603)-136 — PROJ/TASK NR. 9769-97630

AFOSR TN 59-747
NORTH CAROLINA UNIV OF CHAPEL HILL
METAL CHELATE STABILITY CONSTANTS OF AMINOPOLYCARBOXYLATE LIGANDS, PART I
ANAL CHEM 32 249-254 FEB 1960
BY REILLEY, C N — DDC NR. — CONTRACT NR. AF 49(638)-933 — PROJ/TASK NR. 9769-97630

AFOSR TN 59-748
NORTH CAROLINA UNIV OF CHAPEL HILL
METAL CHELATE STABILITY CONSTANTS OF AMINOPOLYCARBOXYLATE LIGANDS, II SEP PART II
BY REILLEY C N — DDC NR. 226876 — CONTRACT NR. AF 49(638)-933 — PROJ/TASK NR. 9769-97630

AFOSR TN 59-749
OKLAHOMA STATE UNIV STILLWATER
ISOLATION AND CHARACTERIZATION OF ELECTROPHORETICALLY HOMOGENEOUS LIPASE APR 1959
BY GORIN, G — RATTAL, J M — BUTLER, W F — PURCELL, J E — BUTLER, L G — DDC NR. 226850 — CONTRACT NR. AF 18(603)-135 — PROJ/TASK NR. 9777-97702

AFOSR TN 59-750
PITTSBURGH UNIV OF PA
NUCLEAR QUADRUPOLE RESONANCES USING IMPURITY MOLECULES AS PROBES
J CHEM PHYS 31 1690-1691 DEC 1959
BY RAFF, R — DEAN, — KEPPER, P<P,I,> — ANDERSON, J<P,I,> — DDC NR. — CONTRACT NR. AF 49(638)-329 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-751
PITTSBURGH UNIV OF PA
THEORY OF SPIN-WAVE INTERACTIONS IN FERRO-AND ANTIFERROMAG
PHYS REV 117 117-123 JAN 1960
BY OGUCHI, T — KEPPER, P<P,I,> — ANDERSON, J<P,I,> — DEAN, P<P,I,> — DDC NR. — CONTRACT NR. AF 49(638)-329 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-752
ILLINOIS UNIV OF URBANA
HALL MOBILITY OF HOLES IN AGAR, JUL 1959
J APPL PHYS 31 210-211 JAN 1960
BY ARMS, R G — HANSON, W F — DDC NR. 219995 — CONTRACT NR. AF 49(638)-570 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-753
ROCHESTER UNIV OF NY
ULTRAVIOLET ABSORPTI N IN MALLOUS HALIDES JUL 1959
J PHYS CHEM SOLIDS 14 344-348 FEB 1960
BY TUTIHASI, S — DEBIER, D L<P,I,> — DDC NR. 229508 — CONTRACT NR. AF 49(638)-832 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-754
CORNELL UNIV ITHACA NY
AN OPTIMIZED METHOD FOR CORRECTING FOR SMEARING ABERRATIONS COMPLEX X-RAY SPECTRA SEP 1959
J APPL PHYS 33 700-707 FEB 1962
BY PORTIS, J C — PARRATT, L G — DDC NR. 226880 — CONTRACT NR. AF 49(638)-602 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-755
CORNELL UNIV ITHACA NY
X-RAY REFLECTION STUDIES OF THE ANNEAL AND OXIDATION OF SOME THIN SOLID FILMS AUG 1959
J APPL PHYS 31 1931-1937 AUG 1960
BY WAINFAN, N — PARRATT, L G — DDC NR. 226879 — CONTRACT NR. AF 49(638)-602 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-756
OHIO STATE UNIV COLUMBUS
INVESTIGATION OF THE TRANSFORMATIONS & STRUCTURE OF SILVER MERCURIC IODIDE AUG 1959
BY OLSEN, C F — HARRIS, P M — DDC NR. 229759 — CONTRACT NR. AF 18(600)-769 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-757
OHIO STATE UNIV COLUMBUS
LAUE-BRAGG SCATTERING AND CHARGE DISTRIBUTION IN LITHIUM HYDRIDE SEP 1959
BY PHILLIPS, J — HARRIS, P M — DDC NR. 229758 — CONTRACT NR. AF 18(600)-769 — PROJ/TASK NR. 9760-97601

AFOSR TN 59-758
MARYLAND UNIV OF COLLEGE PARK
VIBRATIONAL THERMODYNAMIC PROPERTIES OF LATTICES WITH DEFECTS AUG 1959
BY DAMARTY, J — DDC NR.
MEYERS, R D<P,I.> — CONTRACT NR. AF 49(638)-399
PERRELL, P A<P,I.> — PROJ/TASK NR. 9763-37631

AFOSR TN 59-759
MINNESOTA UNIV OF MINNEAPOLIS
INITIAL-PERMEABILITY SPECTRA OF MICROSCOPIC IRON-OXIDE PARTICLES OCT 1959
J APPL PHYS 31 2145-2155 MAY 1960
BY BROWN, W F — DDC NR. 227263
MANTON, J P — CONTRACT NR. AF 18(603)-113
MORRISH, A H — PROJ/TASK NR. 9760-37601

AFOSR TN 59-760
NORTHWESTERN UNIV EVANSTON ILL
CONTRIBUTION OF DISLOCATION LINE TENSION AND THE DENSITY OF THE SOLUTE ATMOSPHERE TO THE YIELD POINT IN STRAIN AGED INGOT IRON AUG 1959
ACTA METAL 8 767-772 NOV 1960
BY MURA, T — DDC NR. 229736
BRITTAIN, J O — CONTRACT NR. AF 18(600)-1498
PROJ/TASK NR. 9761-37611

AFOSR TN 59-761
ARMOUR RSCH FOUND CHICAGO ILL
PRESSURE EFFECTS AND CONFIGURATION COORDINATE MODELS OF <C1<T1>
PHYS REV LTRS 3 215-217 SEP 1959
BY REIPPEL L — DDC NR. 229665
CONTRACT NR. AF 49(638)-113
PROJ/TASK NR. 9763-37631

AFOSR TN 59-762
FRANKLIN INST PHILADELPHIA PA
MAGNETIC ANALYSIS OF THE PRECIPITATION OF IRON FROM BETA BRASS AUG 1959
BY BERKOWITZ, A E — DDC NR. 226692
FLANDERS, P J — CONTRACT NR. AF 49(638)-199
PROJ/TASK NR. 9760-37601

AFOSR TN 59-764
YALE UNIV NEW HAVEN CONN
ZEEMAN SPLITTING OF EXCITON LINES IN CDS-
PHYS REV LTRS 3 372-375 OCT 59
BY WHEELER, R C — DDC NR. 226922
DIMMOCK, J O — CONTRACT NR. AF 49(638)-503
PROJ/TASK NR. 9760-37601

AFOSR TN 59-765
FRANKLIN INST PHILADELPHIA PA
CELLULAR SUBSTRUCTURE IN ZINC CRYSTALS GROWN FORM THE MELT AUG 1959
BY DAMIANO, V V — DDC NR. 227706
HERMAN, H — CONTRACT NR. AF 18(600)-1501
SMITH, R L<P,I.> — PROJ/TASK NR. 9762-37621

AFOSR TN 59-766
CALIFORNIA UNIV OF LOS ANGELES
CONTRIBUTION TO ASTRODYNAMICAL REPORT- NO. 3 EFFICIENT PRECISION ORBIT COMPUTATIONAL TECHNIQUES JUN 1959
BY BAKER, JR, R M,L. — DDC NR. 227919
WESTROM, G B. — CONTRACT NR. AF 49(638)-498
MILTON C. G. — PROJ/TASK NR. 9783-37726
ARSENAULT, J L.
GERSTEN M.
BROUWE E
MERRICK S <P,I.>

AFOSR TN 59-767
CALIFORNIA UNIV OF LOS ANGELES
CONTRIBUTION TO ASTRODYNAMICS - NO. 6 THREE-DIMENSIONAL DRAG PERTURBATION TECHNIQUE JULY 1959
ARSJ 768-795,0 AUG 1960
BY BAKER, JR, R M, L. — DDC NR. 269780
MERRICK S <P,I.> — CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-37726

AFOSR TN 59-768
CALIFORNIA UNIV OF LOS ANGELES
ASTRODYNAMICAL REPORT- NO. 2 DIFFERENTIAL EXPRESSIONS FOR LOW-ECCENTRICITY GEOCENTRIC ORBITS JUN 1959
BY MERRICK, S — DDC NR. 227910
WALTERS, L G. — CONTRACT NR. AF 49(638)-498
MILTON C G — PROJ/TASK NR. 9783-37726

AFOSR TN 59-769
CALIFORNIA UNIV OF LOS ANGELES
ASTRODYNAMICAL REPORT NO. 1 PRECISION ORBITS AND OBSERVATION REDUCTION JUN 1959
BY MERRICK S — DDC NR. 227917
CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-37726

AFOSR TN 59-770
ROCKETDYNE CANOGA PARK CALIF
SECOND AFOSR-CONTRACTOR CONFERENCE ON ION AND PLASMA RESEARCH 8-9 JULY 59.
BY BODEN R H — DDC NR. 241053
CONTRACT NR. AF 49(638)-351
PROJ/TASK NR. 9752-37521

AFOSR TN 59-771
MARYLAND UNIV OF COLLEGE PARK
COLLISIONAL AUGER PROCESS FOR MU-MESIC ATOMS JUL 1959
BY DAY T. B. — DDC NR. 220978
SUCHER J. — CONTRACT NR. AF 49(638)-26
TOLL, J S<P,I.> — PROJ/TASK NR. 9791-37912

AFOSR TN 59-772
MARYLAND OF UNIV COLLEGE PARK
K-NUCLEON SCATTERING LENGTHS AND THE K- D SCATTERING REACTIONS JUL 1959
ITALIAN JOURNAL IL NUEVO CIMENTO TO BE SUBMITTED
BY DAY T. B. — DDC NR. 220979
SHAW G. A. — CONTRACT NR. AF 49(638)-26
SUCHER J. — PROJ/TASK NR. 9791-37912
TOLL, J. S. <P,I.>

AFOSR TN 59-773
MARYLAND UNIV OF COLLEGE PARK
AN ASYMPTOTIC CAUSALITY REQUIREMENT FOR SYSTEMS WITH CONSTRAINED INPUTS JUL 1959
BY SUCHER J. — DDC NR. 220977
TOLL, J. S. <P,I.> — CONTRACT NR. AF 49(638)-26
PROJ/TASK NR. 9791-37912

AFOSR TN 59-774
BIRMINGHAM UNIV OF ENGLAND
RES ON STRAIN AGEING HARDENING AND SOFTENING OF METALS BY FATIQUE TECHNICAL SUMMARY REPORT, SEP 1957 TO FEB 1959
BY BROOM, T<P,I.> — DDC NR. 219717
CONTRACT NR. AF 61<514>-1182
PROJ/TASK NR. 9760-37601

AFOSR TN 59-775
OKLAHOMA STATE UNIV STILLWATER
KINETICS AND MECHANISM OF HYDROLYSIS OF AMMONIUM CARBAMATE JUL 1959 <TECHNICAL NOTE NO. 5>
BY GORIN, G — DDC NR. 227810
BUTLER, M F — CONTRACT NR. AF 18(603)-199
PROJ/TASK NR. 9777-37702

AFOSR TN 59-776
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
VIBRATION AND FLUTTER OF CYLINDRICAL AND CONICAL SHELLS JUN 1959
BY SHULMAN Y — DDC NR. 226664
BISPLINGHOFF<P,I.> — CONTRACT NR. AF 49(638)-219
PROJ/TASK NR. 9782-37717

AFOSR TN 59-777
ISTITUTO NAZIONALE DI OTTICA, ITALY
IS IT POSSIBLE TO MEASURE THE CONTRAST ENHANCEMENT OF A FIGURE WITH QUASI PERCEPTIVE CONTOURS
CONTRIBUTI DELL- ISTITUTO NAZIONALE DI OTTICA XIV MAR-APR 197-199
BY MORI, G F — DDC NR. 220032
TORALDO DI FRANCIA, — CONTRACT NR. AF 61<052>-00
PROJ/TASK NR. 9777-37701

AFOSR TN 59-778
IST NAZIONALE DI OTTICA, ITALY
MAY OCULAR TREMOR EVOKE FLICKER SENSATION
CONTRIBUTI DELL-ISTITUTO NAZIONALE DI OTTICA XIV 140-161 MAR-APR 1959
BY RONCHI, L — DDC NR. 220033
TORALDO DI FRANCIA C — CONTRACT NR. AF 61<052>-00
PROJ/TASK NR. 9777-37701

AFOSR TN 59-779
IST NAZIONALE DI OTTICA, ITALY
ON THE INFLUENCE OF SYMPATHIE ON A PECULIAR RETINAL FUNCTIO
CONTRIBUTI DELL- ISTITUTO NAZIONALE DI OTTICA XIV 162-166 MAR-APR 1959
BY SALVI, G — DDC NR. 229610
CONTRACT NR. AF 61<052>-00
PROJ/TASK NR. 9777-37701

AFOSR TN 59-780
PISA UNIV ITALY
EEG ACTIVATION PATTERNS IN THE MIDPONTINE PRETRIGEMINAL CAT FOLLOWING SENSORY DEAFFERENTATION
ARCH ITAL BIOL 97 26-32 1959
BY BATINI, C — DDC NR. 229182
PALESTINI, M — CONTRACT NR. AF 61<514>-1129
ROSSI, G F — PROJ/TASK NR. 9777-37700
ZANCHETTI, A
MORUZZI, G <P,I.>

AFOSR TN 59-781
IST NAZIONALE DI OTTICA, ITALY
VISIBILITY OF THE MACH BANDS AS A FUNCTION OF FIELD LUMINANCE
PUBLICAZIONI DELL- ISTITUTO NAZIONALE DI OTTICA XIV 230-239 MAR-JF 1959
BY ERCOLES, A M — DDC NR. 220031
FIORENTINI, A — CONTRACT NR. AF 61<052>-00
TORALDO DI FRANCIA, — PROJ/TASK NR. 9777-37701

AFOSR TN 59-782
IST NAZIONALE DI OTTICA ITALY
ON THE DISCREPANCY BETWEEN PSYCHOPHYSICAL AND ELECTRORETINOGRAPHIC SATURATION OF THE RETINAL MECHANISMS
ATTI DELLA FONDAZIONE G RONCHI XIV 250-256 MAY JUNE 1959
BY RONCHI, L — DDC NR. 220034
TASSINARI, A — CONTRACT NR. AF 61<052>-00
TORALDO DI FRANCIA, — PROJ/TASK NR. 9777-37701

AFOSR TN 59-783
PISA UNIV ITALY
CHANGES OF PHOTOCALLY EVOKED POTENTIALS IN THE VISUAL PATHWAY OF THE CERVEAU LSOLE CAT
ARCH ITAL BIOL 97 378-398 1959
BY MARCIA, M — DDC NR. 236978
MOULDERS, M — CONTRACT NR. AF 61<052>-107
SANTIBANEZ, M G — PROJ/TASK NR. 7771-37760

AFOSR TN 59-784
PISA UNIV ITALY
CHANGES OF PHOTICALLY EVOKED POTENTIALS IN THE VISUAL PATHWAY OF THE MIDPOITINE PRETRIGEMINAL CAT
ARCH ITAL BIOL 97 399-413 1959
BY MARCIA, M — DDC NR. 236977
MOULDERS, M — CONTRACT NR. AF 61<052>-107
SANTIBANEZ, M G — PROJ/TASK NR. 7771-37760
MORUZZI, G <P,I.>

AFOSR TN 59-785
PISA UNIV ITALY
DIRECT PYRAMIDAL INFLUENCES ON THE DORSALPCOLUMN NUCLEI.
ARCH ITAL BIOL 97 357-377 1959
BY MAGNI, F — DDC NR. 236978
MOLZACK, P — CONTRACT NR. AF 61<052>-107
MORUZZI, G — PROJ/TASK NR. 7771-37760
SMITH, C J

AFOSR TN 59-786
INST MARCEY PARIS FRANCE
STUDY OF ASSOCIATIVE VISUAL AND AUDITORY SYSTEMS OF THE CAT ANESTHETIZED WITH CHLORALOSE .
CLIN NEUROPHYSIOL 11 305-326 1959
BY BUSER P DDC NO. 227809
BORENSTEIN P CONTRACT NO. AF 61(052)-109
BRUNER J PROJ/TASK NO. 9777-17700

AFOSR TN 59-787
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON THE AEROELASTIC CHARACTERISTICS OF LOW ASPECT RATIO WINGS WITH CHORDWISE DEFORMATIONS JUL 1959
BY DUGUNDJI J DDC NO. 227721
CRISP J. D. C. CONTRACT NO. AF 49(638)-219
PROJ/TASK NO. 9782-17710

AFOSR TN 59-788
MIAMI UNIV OF CORAL GABLES, FLA
NEGATIVE PION INTERACTIONS AT 1.0 JUL 59
BY BLAU M. DDC NO. 220516
CARTER C. F. CONTRACT NO. AF 49(638)-97
PERLMUTTER A. PROJ/TASK NO. 9750-17500

AFOSR TN 59-789
DUKE UNIV DURHAM N CAR
SOME PROPERTIES OF THE FUNDAMENTAL SOLUTION OF THE PARABOLIC EQUATION JUL 1959
DUKE MATH J 27 199-220 JUN 1960
BY ROBINSON, S M DDC NO. 227717
GERGEN, J. J.<P.I.> CONTRACT NO. AF 18(600)-1361
PROJ/TASK NO. 9783-17727

AFOSR TN 59-790
TORONTO UNIV OF CAN
RECENT TRENDS IN THE MECHANICS OF HIGHLY RAREFIED CASES JAN 1960
IN PROC DURAND CENTENNIAL CONF 1960
BY PATTERSON G. N. DDC NO. 241997
CONTRACT NO. AF 49(638)-281
PROJ/TASK NO. 9783-17729

AFOSR TN 59-791
CALIF. INST. OF TECHNOLOGY PASADENA
TRANSIENTS ON A LINEAR ANTENNA
BY WEILL G. G. DDC NO. 229003
PAPAS, C. H. <P.I.> CONTRACT NO. AF 18(600)-1119
PROJ/TASK NO. 9768-17650

AFOSR TN 59-792
NORTH CAROLINA UNIV OF CHAPEL HILL
TWO STAGE EXPERIMENTS FOR ESTIMATING A COMMON MEAN
(MISPRINTED AFOSRTN-59-979) JUN 1959
BY RICHTER D L DDC NO. 235090
HOEFFDING W CONTRACT NO. AF 49(638)-261
PROJ/TASK NO. 9792-17922

AFOSR TN 59-793
NORTH CAROLINA UNIV OF CHAPEL HILL
ON SUFFICIENCY AND INVARIANCE WITH APPLICATIONS IN SEQUENTIALANALYSIS JUNE 1959
BY HALL W J DDC NO. 237501
HOEFFDING W .P.I.> CONTRACT NO. AF 49(638)-261
PROJ/TASK NO. 9792-17922

AFOSR TN 59-794
NORTH CAROLINA UNIV OF CHAPEL HILL
CONTRIBUTIONS TO THE STATISTICAL ANALYSIS OF EXPERIMENTS WITH ONE OR MORE RESPONSES NOT NECESSARILY NORMAL JUL 1959
BY BHAPKAR V.P. DDC NO. 219882
RASE R. C. <P. I> CONTRACT NO. AF 49(638)-217
PROJ/TASK NO. 9769-17650

AFOSR TN 59-795
NORTH CAROLINA UNIV OF CHAPEL HILL
ON THE APPLICATION OF THE GEOMETRY OF QUADRICS TO THE CONSTRUCTION OF PARTIALLY BALANCED INCOMPLETE BLOCK DESIGNS AND ERROR CORRECTING BINARY CODES JUNE 1959
BY RAY-CHAUDHURI D.K. DDC NO. 235092
RASE R.C. <P.I.> CONTRACT NO. AF 49(638)-217
PROJ/TASK NO. 9769-17650

AFOSR TN 59-797
WAYNE STATE UNIV DETROIT MICH
GROUPS OF AUTOMORPHISMS OF KAEHLER MANIFOLDS
(MISPRINTED AFOSR TN 59-727) JUL 1959
BY GOLDBERG S.I. DDC NO. 227550
CONTRACT NO. AF 49(638)-14
PROJ/TASK NO. 9769-17650

AFOSR TN 59-798
STANFORD UNIV CALIF
A MULTIPLICATIVE MODEL FOR ANALYZING VARIANCES WHICH ARE AFFECTED BY SEVERAL FACTORS JUL 1959
BY BECHHOFER R.E. DDC NO. 226887
CONTRACT NO. AF 49(638)-230
PROJ/TASK NO. 9782-17922

AFOSR TN 59-800
NORTH CAROLINA UNIV OF CHAPEL HILL
LOWER BOUNDS FOR THE EXPECTED SAMPLE SIZE AND THE AVERAGE RISK OF A SEQUENTIAL PROCEDURE JUN 1959
BY HOEFFDING W. DDC NO. 235093
CONTRACT NO. AF 49(638)-261
PROJ/TASK NO. 9792-17922

AFOSR TN 59-801
PURDUE UNIV LAFAYETTE IND
A CHARACTERIZATION OF MULTICOHERENT PRIMO SPACES NOV 1959
BY LAURIA A.T. DDC NO.
WEUGEBAUER C.J. CONTRACT NO. AF 18(600)-1484
CESARI L. <P. I.> PROJ/TASK NO. 9783-17727

AFOSR TN 59-802
PURDUE UNIV LAFAYETTE IND
REFRACTIONS ON TO DENDRITES NOV 1959
BY LAURIA A.T. DDC NO.
WEUGEBAUER C.J. CONTRACT NO. AF 18(600)-1484
CESARI L. <P. I.> PROJ/TASK NO. 9783-17727

AFOSR TN 59-803
COLUMBIA UNIC N Y
SAMPLED DATA SYSTEMS JUL 1959
BY BIGELOW C.S. DDC NO. 226972
KRANC, G M <P.I.> CONTRACT NO. AF 18(600)-677
PROJ/TASK NO. 9768-17650

AFOSR TN 59-804
MARYLAND UNIV OF COLLEGE PARK
VARIATION IN THE TRANSITION TEMPERATURE OF SUPERCONDUCTING ALLOYS OF LANTHANUM AND OTHER RARE EARTHS WITH SPIN OF SOLUTIONS
COMPT RENDUS 248 2856-2858 MAY 1959
BY MARADUDIN A DDC NO.
PERETTI J CONTRACT NO. AF 18(600)-1119
NEEL M PROJ/TASK NO. 9791-17911

AFOSR TN 59-805
UNIV OF ROCHESTER N Y
EFFECTS OF INTRA-CLUSTER GAS AND DUST UPON THE VIRIAL THEOREM
ASTROPHYS J 130 614-620 SEP 1959
BY LIMBER D.L. DDC NO. 256094
SABFDOFF, M P <P.I.> CONTRACT NO. AF 49(638)-92
PROJ/TASK NO. 9776-17601

AFOSR TN 59-806
POLYTECHNIC INST OF BROOKLYN N Y
SOME HEAT TRANSFER PROBLEMS IN HYPERSONIC FLOW
SAME AS ABOVE - PRESENTED AT DURAND CENTENNIAL CONFERENCE - STANFORD UNIVERSITY 5-8 AUG 59
PAGE - 7 1960 PERMANION TN 59-108
BY FERRI A. DDC NO. 237730
CONTRACT NO. AF 49(638)-217
PROJ/TASK NO. 9781-17712

AFOSR TN 59-807
CORNELL UNIV ITHACA NY
RAMAN INTENSITIES OF THE A1 LINES OF OXYANIONS AUG 1959
J CHEM PHYS 32 919-921 FEB 1960
BY PLANE, R A DDC NO. 227607
CHANTRY, J W CONTRACT NO. AF 49(638)-279
PROJ/TASK NO. 9760-17600

AFOSR TN 59-809
NEW YORK UNIV NY
THE GENERAL ORIENTATIONS PROFILE (GOP), A VALIDATION STUDY
PSYCH RPTS 61 259-265 1960
BY FRANCESCO, E DDC NO.
NORGATTA, E F<P.I.> CONTRACT NO. AF 49(638)-199
PROJ/TASK NO. 9778-17707

AFOSR TN 59-810
FLORIDA UNIV OF GAINESVILLE
THE FORMATION OF LINEAR POLYMERS FROM DIENE MONOMERS BY A CYCLIC POLYMERIZATION MECHANISM IV THE SYNTHESIS AND POLYME STUDIES OF SOME DOUBLY-UNSATURATED, UNSYMMETRICAL MONOMERS
J ORG CHEM 25 309-310 1960
BY BARNETT, M D DDC NO. 260036
BUTLER, G B CONTRACT NO. AF 18(600)-116
PROJ/TASK NO. 9769-17650

AFOSR TN 59-811
WISCONSIN UNIV OF MADISON
PYRIDINIUM COMPLEXES III. CHARGE-TRANSFER BAND OF POLYALKYLPYRIDINIUM IODIDES SEP 1959
J JACS 82 2199-2203 MAY 1960
BY KOSOWER, E M DDC NO. 228719
CONTRACT NO. AF 49(638)-282
PROJ/TASK NO. 9760-17600

AFOSR TN 59-812
WISCONSIN UNIV OF MADISON
THE STUDY OF PYRIDINIUM IODID CHARGE-TRANSFER BANDS SEP 59
MOLECULAR SPECTROSCOPY CONFERENCE
BY KOSOWER, E M DDC NO. 228711
SKORCZ, J A CONTRACT NO. AF 49(638)-282
PROJ/TASK NO. 9760-17600

AFOSR TN 59-813
WISCONSIN UNIV OF MADISON
PYRIDINIUM COMPLEXES I. THE SIGNIFICANCE OF THE SECOND CHARGE-TRANSFER BAND OF PYRIDINIUM IODIDES SEP 1959
JACS 82 2188-2191 MAY 1960
BY KOSOWER, E M DDC NO. 228712
SKORCZ, J A CONTRACT NO. AF 49(638)-282
SCHARZ, W M PROJ/TASK NO. 9760-17600

AFOSR TN 59-814
HEBREW UNIV JERUSALEM ISRAEL
ON THE CONCEPT OF A DIFFERENTIALLY CLOSED FIELD JUL 1959
UNDECIDED
BY ROBINSON A. DDC NO. 226996
AGMON S. <P. I.> CONTRACT NO. AF 61(052)-107
PROJ/TASK NO. 9781-17727

AFOSR TN 59-815
HEBREW UNIV JERUSALEM ISRAEL
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UNDECIDED
BY AGMON S. DDC NO. 226995
CONTRACT NO. AF 61(052)-107
PROJ/TASK NO. 9781-17727

AFOSR TN 59-816
HEBREW UNIV JERUSALEM ISRAEL
PRODUCT OF SUMMABILITY METHODS NEW CLASSES OF TRANSFORMATION AND THEIR PROPERTIES PART II
TECH. NOTE NO. 8 - AUG 59
UNDECIDED
BY JABITOVSKI A. DDC NO. 232071
AGMON S. <P. I.> CONTRACT NO. AF 61(052)-107
PROJ/TASK NO. 9781-17727

AFOSR TN 59-817
HEBREW UNIV JERUSALEM ISRAEL
LOCAL DIFFERENTIAL ALGEBRA MAY 1959
BY ROBINSON A. DOC NR. 229489
AGMON S. <P, I.> CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9781-97727

AFOSR TN 59-818
INST NACIONAL DE TECNIA AERONAUTICA MADRID SPAIN
COMBUSTION OF SPRAYS IN AN OXIDIZING ATMOSPHERE 1959
9TH INTERNATIONAL CONGRESS ON COMBUSTION ENGINES 1959
BY MILLAN G. DOC NR. 229667
SANZ S. CONTRACT NR. AF 61<514>-997
DARIVA I. PROJ/TASK NR. 9761-97810

AFOSR TN 59-819
MARYLAND UNIV OF COLLEGE PARK
E--NUCLEON SCATTERING LENGTHS AND THE E--D INELASTIC
CROSS SECTION JUL 1959
BY DAY T. B. DOC NR. 229919
SUCHER J. CONTRACT NR. AF 49<638>-24
TOLL J. S. <P, I.> PROJ/TASK NR. 9761-97812

AFOSR TN 59-821
AEROJET-GENERAL CORP AZUSA CALIF
FREE RADICAL FUELS - A TOUGH PROBLEM SEP 1959
BY FLOURNOY J. M. DOC NR. 229641
MOE, G. <P, I.> CONTRACT NR. AF 18<603>-110
PROJ/TASK NR. 9750-97901

AFOSR TN 59-822
CALIFORNIA INST OF TECHNOLOGY PASADENA
MOLECULE FORMATION IN INERT GASE
PART 2 EMMISSION OF DIFFUSE BANDS OF SODIUM BEHIND SHOCK
FRONTS PART 2 MOLECULE FORMATION IN INERT GASES
PART I PHYS REV LTRS 32 636-639 FEB 1960
BY TAKEYAMA M DOC NR. 229671
GUTTMAN A CONTRACT NR. AF 18<600>-2
PENNER S S PROJ/TASK NR. 9761-97810

AFOSR TN 59-824
COLUMBIA UNIV N Y
A GENERAL FLOW-GRAPH TECHNIQUE FOR THE SOLUTION OF
MULTI-LOOP SAMPLED SYSTEMS JUL 1959
BY ASH R. DOC NR. 228600
KIM W. H. CONTRACT NR. AF18<600>-677
BRANC G. W. PROJ/TASK NR. 9760-97650

AFOSR TN 59-825
NORTHWESTERN UNIV EVANSTON ILL
ON THE APPROXIMATION OF INTEGRABLE FUNCTIONS BY
FUNCTIONS OF BOUNDED VARIATION
ANNO SCUOLA NORMALE SUPERIORE DI PISA, SCI PISE MAT
SER III 14 134-140 1960
BY REID W. T. DOC NR. 227981
CONTRACT NR. AF 49<638>-600
PROJ/TASK NR. 9769-97650

AFOSR TN 59-826
NORTHWESTERN UNIV EVANSTON ILL
PROPERTIES OF SOLUTIONS OF A RICCATI MATRIX
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J MATH & MECH 9 789-770 SEP60
BY REID W. T. DOC NR. 227960
CONTRACT NR. AF 49<638>-600
PROJ/TASK NR. 9769-97650

AFOSR TN 59-827
PISA UNIV OF ITALY
EFFETTI CENTRIFUGHI RETINICI INDOTTI DALLA STIMOLAZIONE
CHIMICA DEI LOVI LTTICI CENTRIFUGAL EFFECTS ON THE RETINA
INDUCED BY CHEMICAL STIMULATION OF THE OPTIC LOBE
BOLL SOC ITAL BIOL SPER 34 FASC 23-24 1958
BY BORRAZZO A DOC NR.
MOLLICA A CONTRACT NR. AF 61<514>-1125
MORUZZI G<P, I.> PROJ/TASK NR. 9777-97700

AFOSR TN 59-828
PISA UNIV OF ITALY
L-ELETTROENCEFALOGRAMMA DEL PICCIONE
THE ELECTROENCEPHALOGRAM OF THE PIGEON
BELL SOC ITAL BIOL SPER 34 FASC. 23-24 1958
BY MOLLICA A DOC NR.
ORSINI M CONTRACT NR. AF 61<514>-1125
MORUZZI G<P, I.> PROJ/TASK NR. 9777-97700

AFOSR TN 59-829
PISA UNIV OF ITALY
MODIFICAZIONI ELETTROENCEFALOGRAFICHE PER EMILESIONI
CRONICHE DEL MESENCEFALO NEL GATTO MODIFICATIONS IN THE EEG
AFTER CHRONIC UNILATERAL LESIONS IN THE MESENCEPHALON IN
THE CAT
BELL SOC ITAL BIOL SPER 34 FASC 23-24 1958
BY CORDEAU J P DOC NR.
MARCIA M CONTRACT NR. AF 61<514>-1125
MORUZZI G<P, I.> PROJ/TASK NR. 9777-97700

AFOSR TN 59-830
PISA UNIV OF ITALY
PROVE SPERIMENTALI IN FAVORE DELL-ESISTENZA DI STRUTTURE
SINCRONIZZANTI L-ELETTROENCEFALOGRAMMA NELLE PARTI CAUDALI
TRONCO DELL-ENCEFALO EXPERIMENTAL EVIDENCE IN FAVOR OF THE
EXISTANCE OF A STRUCTURE SYNCHRONIZING THE EEG IN THE CAUDA
PARTS OF THE BRAIN STEM
BY CORDEAU J P DOC NR.
MARCIA M CONTRACT NR. AF 61 <514>-1125
MORUZZI G<P, I. PROJ/TASK NR. 9777-97700

AFOSR TN 59-831
PISA UNIV OF ITALY
RICERCHE SULL-ORIGINE DELLA PERSISTENTE SINDROME DI VEGLIA
DEL PREPARATO MESENCEFALICO. DATI A FAVORE DELL-ESISTENZA DI
UNA INFLUENZA SINCRONIZZANTE DI STRUTTURE BULBOPONTINE SULL
ATTIVITA ELETTRICA CEREBRALE STUDIES ON THE ORIGIN OF THE
SYNDROME OF PERSISTANT WAKEFULNESS IN THE MESENCEPHALIC
PREPARATION. EVIDENCE IN FAVOR TOTHE EXISTENCE OF AN
INFLUENCE OF BULBO-PONTINE STRUCTURES ON THE ELECTRICAL
ACTIVITY OF THE BRAIN
RIVIS DI NEUROL 29 126-129 MAR-APR 1959
BY BATINI C DOC NR.
MAGNI F CONTRACT NR. AF 61<514>-1129
PALESTINI M PROJ/TASK NR. 9777-97700
ROSSI G F
ZANCHETTI A
MORUZZI G<P, I.>

AFOSR TN 59-832
PISA UNIV OF ITALY
INFLUENZE SINCRONIZZANTI L-ELETTROENCEFALOGRAMMA E LORO
ORIGINE NELLE PARTI CAUDALI DEL TRONCO DELL-ENCEFALO
SYNCHRONIZING INFLUENCES ON THE EEG AND THEIR ORIGIN IN THE
CAUDAL PARTS OF THE BRAIN STEM
RIV DI NEUROL 29 132-136 MAR-APR 1959
BY CORDEAU J P DOC NR.
MARCIA M CONTRACT NR. AF 61<514>-1125
MORUZZI G<P, I.> PROJ/TASK NR. 9777-97700

AFOSR TN 59-833
MILAN UNIV OF ITALY
CONTENUTO IN DIFOSFOPIRIDINNUCLEOTIDE DEL FEGATO IN
RIGONFIAMENTO TORBIDO E DEL FEGATO VACUOLIZZATO
DIPHOSPHO-PIRIDINE-NUCLEOTIDE CONTENT OF THE LIVER
ATTI SOC ITAL DI PATOLOGIA 5 513-514 JUN 1957
BY SEVERI C DOC NR.
FORNESU A CONTRACT NR. AF 61<514>-1026
AGOSTINI C PROJ/TASK NR. 9777-97700
CIARAMPI F<P, I.>

AFOSR TN 59-834
MILAN UNIV OF ITALY
DIPHOSPHOPYRIDINENUCLEOTIDE CONTENT OF LIVERS AFFECTED BY
CLOUDY SWELLING AND BY CELL VACUOLATION
RI CHEM ITAL J M 224-233 JUL AUG 1958
BY SEVERI-FORNESU C DOC NR. 226151
FORNESU A CONTRACT NR. AF 61<514>-1026
AGOSTINI C PROJ/TASK NR. 9777-97700
CIARAMPI F

AFOSR TN 59-835
MILAN UNIV OF ITALY
COENZYME A CONTENT IN LIVERS AFFECTED BY VARIOUS
DEGENERATIVE CHANGES
BIOCHEM ITAL J 7 218-225 NR-AUG 1958
BY SEVERI-FORNESU C DOC NR. 226151
FORNESU A CONTRACT NR. AF 61<514>-1026
AGOSTINI C PROJ/TASK NR. 9777-97700
CIARAMPI F

AFOSR TN 59-836
MILAN UNIV OF ITALY
INCORPORAZIONE IN VITRO DELLA GLICINA-1-14 NELLE PROTEINE
DI FEGATO NORMALE E VACUOLIZZATO DEL RATTO INCORPORATION IN
VITRO OF GLYCINE-1-14 C IN THE PROTEIN OF THE NORMAL AND
VACUOLIZED LIVER IN THE RAT
MINERVA BIOCL 2 22-26 JAN FEB 1958
BY GUIDOTTI G DOC NR.
RAZZANO F CONTRACT NR. AF 61<514>-1026
CIARAMPI F<P, I.> PROJ/TASK NR. 9777-97700

AFOSR TN 59-837
KAROLINSKA INST STOCKHOLM SWEDEN
THE RELATIONSHIP OF LATERAL GENICULATE ACTIVITY TO THE
ELECTROCORTICOGRAM IN THE PRESENCE OR ABSENCE OF THE OPTIC
TRACT INPUT
EXPERIENTIA 15 161 1959
BY ARDEN G R DOC NR. 229486
SODERBERG U CONTRACT NR. AF 61<514>-1083
PROJ/TASK NR. 9777-97700

AFOSR TN 59-838
KAROLINSKA INST STOCKHOLM SWEDEN
THE RELATION BETWEEN THYROID CIRCULATION, UPTAKE OF
IODINE AND SECRETION OF THYROID HORMONE IN CATS AND RABBITS
ACTA PHYSIOL SCAND 42 SUP 145 1957
BY SODERBERG U DOC NR. 229481
CONTRACT NR. AF 61<514>-1083
PROJ/TASK NR. 9777-97700

AFOSR TN 59-839
LIEGE UNIV BELGIUM
THE SPONTANEOUS ACTIVITY OF THE CELLS OF THE CENTRAL
NERVOUS SYSTEM 1959
BY SCHLAG J DOC NR.
CONTRACT NR. AF 61<052>-22
PROJ/TASK NR. 9777-97700

AFOSR TN 59-840
LIEGE UNIV BELGIUM
NOTE ON THE POSSIBILITY OF CHARACTERIZING THE RETICULATED
MESENCEPHALIC UNITS BY THEIR SPONTANEOUS ACTIVITY
ARCH INTERNATIONALES DE PHYSIOLOGIE ET DE BIOCHIMIE
67 227-239 APR 1959
BY SCHLAG J D DOC NR.
FAIDHERBE J CONTRACT NR. AF 61<052>-22
DELIEGE M PROJ/TASK NR. 9777-97700

AFOSR TN 59-841
GOETTINGEN UNIV OF GER
THE INTERACTION OF TWO TYPES OF INSPIRATORY NEURONS IN THE
REGION OF THE TRACTUS SOLITARIUS OF THE CAT
ARCH ITAL BIOL 96 361-373 1958
BY VON BAUMGARTEN R DOC NR. 229620
KANZOW E CONTRACT NR. AF 61<052>-14
PROJ/TASK NR. 9777-97700

AFOSR TN 59-842
UPPSALA UNIV SWEDEN
HYPERFRAGMENT EMITTED FROM AN ANTIPROTON CAPTURE STAR
PHASE D 1959
BY ERSPONG A G DOC NR. 229922
FRISK A CONTRACT NR. AF 61<052>-13
BORRE B F PROJ/TASK NR. 9750-97600
SIEGRAHN E

AFOSR TN 59-843
HEBREW UNIV JERUSALEM ISRAEL
ON SOME COMPOSITIONS OF HADAMARD TYPE IN CLASSES OF
ANALYTIC FUNCTIONS JUN 1959
BY LOEWNER C. DOC NR. 220708
NETANYAHU E. CONTRACT NR. AF 61<052>-187
AGMON <P, I.> PROJ/TASK NR. 9781-97727

AFOSR TN 59-844
TEMPLE UNIV PHILADELPHIA PA
AN EXPERIMENTAL DETERMINATION OF THE DENSITIES OF MOLTEN METAL FLUORIDES IN THE RANGE OF 1600 TO 2500 K, APR 1959
BY KIRSHENBAUM A D — DDC NR. 231167
CAMILL J A — CONTRACT NR. AF 18(600)-1475
PROJ/TASK NR. 9763-97630

AFOSR TN 59-845
AVCO-EVERETT RSCH LABORATORY EVERETT MASS
THE PRODUCTION AND STUDY OF HIGH SPEED SHOCK WAVES IN A MAGNETIC ANNULAR SHOCK TUBE JUL 1959
PHY FLUIDS NOV-DEC 1959 989-998
7&SYMP ADV PROP CONCEPTS BOSTON 7-8 OCT59
BY PETRICK H, H. — DDC NR. 229292
CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9761-97610

AFOSR TN 59-846
AVCO-EVERETT RSCH LABORATORY EVERETT MASS
THEORY OF THE FLOW IN THE MAGNETIC ANNULAR SHOCK TUBE
PHYS FLUIDS 2 599-608 NOV-DEC 1959
BY KEMP N.H. — DDC NR. 229776
PETSCHEK H, E. — CONTRACT NR. AF 49(638)-61
PATRICK, R, M, <P,I, PROJ/TASK NR. 9761-97610

AFOSR TN 59-847
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
DERIVATIVES OF SULFENIC ACIDS XXXVII STUDIES OF SULFENYL ESTERS(THIOPEROXIDES) PART 4 THERMAL DECOMPOSITIONS
JACS 82 2902-2905 MAY 1960
BY IRWIN R S — DDC NR.
KHARASCH N — CONTRACT NR. AF 49(638)-330
PROJ/TASK NR. 9762-97620

AFOSR TN 59-849
CALIFORNIA UNIV OF BERKELEY
MODES IN LINEAR CIRCUITS AND LINEAR SAMPLED DATA SYSTEMS JUL 1959
BY DESOER C, A. — DDC NR. 227787
JURY, E, I, <P,I,> — CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-97650

AFOSR TN 59-850
MARYLAND UNIV OF COLLEGE PARK
COMPARISON OF THE PAIR THEORY AND THE QUASI-PARTICLE METHOD FOR THE EVALUATION OF THE PROPERTIES OF AN INTERACTING BOSE SYSTEM AUG 1959
BY PERETTI J. — DDC NR. 229199
MONTROLL, E. W.<P,I, CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9761-97611

AFOSR TN 59-851
CALIFORNIA UNIV OF BERKELEY
THE OPTIMUM FORMULA FOR A
THE OPTIMUM FORMULA FOR THE GAIN OF A FLOW GRAPH OR A SIMPLE DERIVATION OF COATES FORMULA
IRE PROC 48 889-889 MAY 1960 <BEING SUBMITTED>
BY DESOER C, A. — DDC NR. 241987
JURY, E, I, <P,I,> — CONTRACT NR. AF 18(600)-142
PROJ/TASK NR. 9768-97650

AFOSR TN 59-852
MELLON INST PITTSBURGH PA
ON THE THERMOSTATICS OF CONTINUOUS MEDIA
ARCH RAT MECH AN: 4 97-128 1959
BY COLEMAN B D — DDC NR. 229639
CONTRACT NR. AF 49(638)-561
PROJ/TASK NR. 9760-97600

AFOSR TN 59-853
MICHIGAN UNIV OF ANN ARBOR
ON IMMERSION OF MANIFOLDS
CAN J MATH 12 529-536 1960
BY SAMELSON H. — DDC NR. 229991
WILDER, R L <P,I,> — CONTRACT NR. AF 49(638)-106
PROJ/TASK NR. 9781-97727

AFOSR TN 59-854
HARVARD UNIV CAMBRIDGE MASS
POLYNOMIALS OF BEST APPROXIMATION ON AN INTERVAL OCT 1959
PROC NAS 44 1529-1538 OCT 1959
BY WALSH J, L. — DDC NR. 228078
MOTZKIN T, S. — CONTRACT NR. AF 18(600)-1001
AHLFORS L, V. <P,I,> PROJ/TASK NR. 978-97727

AFOSR TN 59-855
MISSOURI UNIV OF COLUMBIA
UNSTABLE HOMEOMORPHISMS AND THE CLOSED 2-CELL AUG 1959
BY JAKOBSEN J. P. — DDC NR. 226230
UTZ W. R, — CONTRACT NR. AF 18(600)-1108
PROJ/TASK NR. 9781-97727

AFOSR TN 59-856
MISSOURI UNIV OF COLUMBIA
ON A THEOREM OF F, CARROLL ANDERSEN AND ITS APPLICATION TO TESTS AGAINST TREND AUG 1959
BY ROUNDS H, D, — DDC NR. 229371
UTZ W, R, <P, I,> — CONTRACT NR. AF 18(600)-1108
PROJ/TASK NR. 9781-97727

AFOSR TN 59-857
CHICAGO UNIV OF, ILL
THE TEN TYPES OF M-SPACES <AUG 1959>
BY JAMES I. M. — DDC NR. 228377
MACLANE S <P,I,> — CONTRACT NR. AF 18(600)-1101
PROJ/TASK NR. 9749-97640

AFOSR TN 59-858
CHICAGO UNIV OF, ILL
PROF HOMOTIC ALGEBRAS
BY MALMOS P. R, — DDC NR. 228459
CONTRACT NR. AF 49(638)-30
PROJ/TASK NR. 9762-97622

AFOSR TN 59-859
HARVARD UNIV CAMBRIDGE MASS
EXPANSIONS IN TERMS OF HEAT POLYNOMIALS AUG 1959
BY ROSENBLOOM P. C. — DDC NR. 230279
WIDDER D, V. — CONTRACT NR. AF 49(638)-576
WALSH, J, L, <P,I,> PROJ/TASK NR. 9769-97690

AFOSR TN 59-860
CALIFORNIA INST OF TECHNOLOGY PASADENA
CONTINUUM COLORS OF THE SUN 6 PEGASI AND HD 19664 AS RELATED TO THE POSITION OF THE METAL-POOR STARS IN THE COLOR-MAGNITUDE AND TWO-COLOR DIAGRAMS
MEMOIRES SOC R, SC, LIEGE SSER 5 427-435 1960
PUBLICATION FOR EUROPEAN SYMPOSIUM LIEGE BELGIUM
BY BURBIDGE E, M, — DDC NR. 240633
BURBIDGE G, R, — CONTRACT NR. AF 49(638)-21
SANDAGE A, R, — PROJ/TASK NR. 9776-97669
WILDEY R,
GREENSTEIN J,L,<P,I,

AFOSR TN 59-861
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE ABUNDANCE OF LITHIUM IN T TAURI STARS AND RELATED OBJECTS
ASTROPHYS J 131 81-98 1960
BY BONSACK W. K. — DDC NR. 240634
GREENSTEIN J, L. — CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9776-97669

AFOSR TN 59-862
DUKE UNIV DURHAM N C
STIMULATED EMISSION OF RADIATION BY ELECTRONS IN A MAGNETIC FIELD RELATIVISTIC EFFECTS AUG 1959
PHYSICAL REVIEW IN DUKE MIC LAB RPT #26 <BEING SUBMITTED>
BY SCHNEIDER J. — DDC NR.
GORDY, W. <P,I,> — CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-97650

AFOSR TN 59-863
DUKE UNIV DURHAM N C
STIMULATED EMISSION OF RADIATION BY ELECTRONS IN A MAGNETIC FIELD AUG 1959
BY SCHNEIDER J. — DDC NR. 239639
GORDY, W. <P ,I,> — CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-97650

AFOSR TN 59-864
DUKE UNIV DURHAM N C
STIMULATED EMISSION OF RADIATION BY RELATIVISTIC ELECTRONS IN A MAGNETIC FIELD AUG 1959
BY SCHNEIDER J. — DDC NR. 239639
GORDY, W. <P,I,> — CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-97650

AFOSR TN 59-865
DUKE UNIV DURHAM N C
MILLIMETER WAVE SPECTRUM AND STRUCTURE OF FORMYL FLUORIDE
J, CHEM PHYS 31 566-567 AUG 1959
BY FAVERO P. — DDC NR. 239639
MIRRI A, M, — CONTRACT NR. AF 18(600)-497
BAKER J, G, — PROJ/TASK NR. 9760-97650
GORDY, W, <P,I,>

AFOSR TN 59-866
ILLINOIS UNIV OF URBANA
ON THE SYNTHESIS OF TIME VARYING LINEAR SYSTEMS AUG 1959
BY CRUZ J, B, — DDC NR. 226980
VAN VALKENBURG M E — CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9768-97650

AFOSR TN 59-868
OXFORD UNIV OF ENGLAND
A STUDY OF DIFFUSION IN A REACTING SYSTEM FEB 1960
BY DECKERS P, G. — DDC NR. 236939
SCHOFIELD D. — CONTRACT NR. AF 61(514)-1117
WALSH J. — PROJ/TASK NR. 9761-97610
LIGHTFT, J, W, <P,I,>

AFOSR TN 59-869
OXFORD UNIV OF ENGLAND
THE RECOMBINATION OF HYDROGEN ATOMS AT SURFACES
PART 7 HYDROGEN ATMOSAT SILICA AND OTHER SIMILAR SURFACES FEB 1960
BY GREEN M. — DDC NR. 236829
JENNINGS K, R, — CONTRACT NR. AF 61(514)-1117
LIGHTFT J, W. — PROJ/TASK NR. 9761-97610
SCHOFIELD D.

AFOSR TN 59-870
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SUBLIMATION OF A MIMISPHERE IN SUPERSONIC FLOW JUL 1959
BY WEISS R — DDC NR. 227951
MARKHAM J R<P,I,> — CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-97712

AFOSR TN 59-871
STANFORD UNIV CALIF
THERMODYNAMIC FOUNDATIONS OF THE THEORY OF DEFORMATION AUG 1959
IN PROC PHRAMD CONFERN CONF PERGAMON 1960 PP 267-286
BY BESSELING J. F. — DDC NR. 236620
HOFF, N. J. <P,I,> — CONTRACT NR. AF 49(638)-[illegible]
PROJ/TASK NR. 9787-97710

AFOSR TN 59-872
CORNELL UNIV ITHACA, NY
THEORY OF THE MAGNETIC BOUNDARY LAYER OCT 1958
DORLADY, AKADEMII NAUK SSSR, 124 1001-1004(1959)
BY ZIEGLER V. N. — DDC NR. 234059
RAE W. J. — CONTRACT NR. AF 18(600)-1429
SEARS W R — PROJ/TASK NR. 9781-97712

AFOSR TN 59-873
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
AN INVESTIGATION OF POROUS WALL COOLING JUN 1959
BY AFRICERR P P — DDC NR. 227955
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-97712

AFOSR TN 59-876
CORNELL UNIV ITHACA NY
ON THE TURBULENT BOUNDARY LAYER WITH FLUID INJECTION
JUL 1959
BY THWAITES B, L. DDC NR. 230063
STARR G G P,L,> CONTRACT NR. AF 18<600>-1421
PROJ/TASK NR. 9781-17[illegible]

AFOSR TN 59-877
DUKE UNIV DURHAM NC LAB
INVESTIGATION OF PSYCHOPHYSIOLOGIC RELATIONSHIPS WITH
SKIN RESISTANCE MEASURES
J PSYCHOSOMATIC RSCH 3 69 BT 1959
BY SILVERMAN A J DDC NR. 230606
COHEN S I CONTRACT NR. AF 49<638>-154
SHAVONIAN R W PROJ/TASK NR. 9778-17709

AFOSR TN 59-878
ROCHESTER UNIV OF N Y
PHOTOISOMERIZATION OF 5-METHYL-2-ORT
JACS 81 779-778 FEB 1960
BY BOYER JR W A DDC NR.
CONTRACT NR. AF 18<600>-1478
PROJ/TASK NR. 9760-17600

AFOSR TN 59-877
MARYLAND UNIV OF COLLEGE PARK
ON THE LEPTONIC DECAY MODES OF K MESON AUG 1959
PHYS REV LTRS 3 292-295 SEP 1959
BY CHADAN K DDC NR. 226568
ORFDA S CONTRACT NR. AF 49<638>-26
TOLL J S D<PI> PROJ/TASK NR. 9781-17717

AFOSR TN 59-878
ROCKETDYNE CANOGA PARK CALIF
SUMMARY OF EXPERIMENTAL IGN ROCKET PROGRAM FOR THE
PERIOD 1 MAY 1958 TO 30 APRIL 1959
BY BODEN A.M. <P,L,> DDC NR.
CONTRACT NR. AF 49<638>-551
PROJ/TASK NR. 9782-17721

AFOSR TN 59-879
MARYLAND UNIV OF COLLEGE PARK
THE WAVE MOTIONS OF SMALL AMPLITUDE IN VARIATION-FLE IBO
MAGNETO-GAS DYNAMICS JUL 1959
6TH MIDWESTERN CONF ON FLUID MECH U TEX
BY SPETH A. L. DDC NR.
PAI S. I. CONTRACT NR. AF 49<638>-651
BURGERS J M<P,L,> PROJ/TASK NR. 9781-17721

AFOSR TN 59-880
REISSELAER POLYTECHNIC INST TROY N Y
FUSED SALT CHEMISTRY
INTERNATIONAL SYMPOSIUM ON HIGH TEMP
OCTOBER, 1959 P/69-181
BY JANZ G J DDC NR. 226618
CONTRACT NR. AF 49<638>-50
PROJ/TASK NR. 9760-17600

AFOSR TN 59-881
WASHINGTON UNIV OF SEATTLE
INFRARED INTENSITIES OF SULFUR DIOXIDE,0 A
DF-DF2F0N1NATION
J PHYS CHEM 64 279-280 1960
BY EGGERS D F DDC NR. 234579
SCHMID E D CONTRACT NR. AF 18<600>-1922
PROJ/TASK NR. 9760-17600

AFOSR TN 59-882
AVCO-EVERETT RSCH LABORATORY EVERETT MASS
FLIGHT MAGNETOHYDRODYNAMICS - MAR 1959
BY KANTROWITZ A. DDC NR. 230029
PATRICK, R M <P,L,> CONTRACT NR. AF 49<638>-61
PROJ/TASK NR. 9781-17710

AFOSR TN 59-883
UNIV COLLEGE CORK IRELAND
THE ABSOLUTE CONVERGENCE OF CERTAIN LACUNARY
FOURIER SERIES, AUG 1959
BY OSMEA S. DDC NR. 226388
KERRFDY P.B. <P,L,> CONTRACT NR. AF 61<514>-1399
PROJ/TASK NR.

AFOSR TN 59-884
CALIFORNIA UNIV OF BERKELEY
FURTHER STUDIES OF GASEOUS ION ACTION ON TRACHEA
PRO SOC EXPER BIO MED 102 395-397 1959
BY EBUFGER A P DDC NR. 230696
SMITH R F CONTRACT NR. AF 49<638>-AF0
WILDERMANN G J PROJ/TASK NR. 9777-17701
MEYERS C P

AFOSR TN 59-885
CORNELL UNIV ITHACA NY
ON THE RESPONSE OF THE LAMINAR BOUNDARY LAYER TO SMALL
FLUCTUATIONS OF THE FREE-STREAM VELOCITY
J AERO/SP SCI 27 761-767 OCT 1960
BY BOTT, R DDC NR.
ROSENZWEIG M L CONTRACT NR. AF 18<601>-1923
SEARS W R PROJ/TASK NR. 9781-17712

AFOSR TN 59-886
KENT STATE UNIV OHIO
PROTON MAGNETIC RESONANCE STUDY OF THE STRUCTURE OF
BARIUM CHLORIDE DIHYDRATE
J CHEM PHYS 33 926-926 MAR 1960
BY SILVIDI A. A. DDC NR. 236192
MCGRATH J. W. CONTRACT NR. AF 49<638>-168
PROJ/TASK NR. 9768-17650

AFOSR TN 59-887
BAYLOR UNIV HOUSTON TEX
SOME MEMBRANE PROPERTIES OF THE EFFECTOR ORGAN IN THE
GALVANIC SKIN RESPONSE
J APPL PHYSIOL 15 891-896 1960
BY FOELDFAK R DDC NR.
GREINER T CONTRACT NR. AF 18<601>-79
BURCH N R PROJ/TASK NR. 9778-17709
LHAMON W T

AFOSR TN 59-888
OHIO STATE UNIV COLUMBUS
INTERNAL AND EXTERNAL CONFIDENCE AS DETERMINANTS OF DECISION
MAKING UNDER CONDITION OF RISK
PSYCH RPTS 7 59-67 1960
BY LIVERANT S DDC NR. 237566
SCOPPLE A CONTRACT NR. AF 49<638>-[illegible]
PROJ/TASK NR. 9778-17707

AFOSR TN 59-889
PUERTO RICO UNIV OF MAYAGUEZ
PECULIARITIES AND SEASONAL VARIATIONS OF T, F, BACKSCATTER
ECHOES OBSERVED AT MAYAGUEZ PUERTO RICO SEP 1959
BY DUFAU RC DDC NR. 229[illegible]
CONTRACT NR. AF 49<638>-172
PROJ/TASK NR. 9768-17650

AFOSR TN 59-890
STANFORD UNIV CALIF
A PROPOSED MILLIMETER-WAVE GENERATOR
CRESP[illegible]TED AFCRC-TN-59-890 SEP 1959
PROC SYMP MILLIMETER WAVES P295-308 POLYTECHNIC PRESS 1960
BY BLINO G. S. DDC NR. 227666
CHODOROW, >CP ,L,> CONTRACT NR. AF 49<638>-61
PROJ/TASK NR. 9768-17650

AFOSR TN 59-891
STANFORD UNIV CALIF
THE EXCITATION OF PLASMA OSCILLATIONS
CRESP[illegible]TED AFCRC-TN-59-891> SEP 1959
PHYS REV LTR 3 1426-1429 MAR 1960
BY STURROCK P. A. DDC NR. 227516
CHODOROW, M<P,L,> CONTRACT NR. AF 49<638>-61
PROJ/TASK NR. 9768-17650

AFOSR TN 59-892
STANFORD UNIV CALIF
ACTION-TRANSFER AND FREQUENCY-SHIFT RELATIONS IN THE
NONLINEAR THEORY OF WAVES AND OSCILLATIONS
CRESP[illegible]TED AFCRC-TN-59-892> SEP1959
ANN PHYS 9 422-434 MAR 1960
BY STURROCK P. A. DDC NR. 227663
CHODOROW, M. <P,L,> CONTRACT NR. AF 49<638>-61
PROJ/TASK NR. 9768-17650

AFOSR TN 59-893
CALIFORNIA UNIV OF BERKELEY
MOLECULAR ORBITAL STUDY OF IONIZATION POTENTIALS OF
COMPOUNDS AUG 1959
J. AM. SOCIETY
BY STREITWIESER JR A DDC NR. 263130
CONTRACT NR. AF 49<638>-[illegible]
PROJ/TASK NR. 9761-17650

AFOSR TN 59-894
PHILLIPS PETROLEUM CO BARTLESVILLE OKLA
ACELORIMETRIC STUDY OF TRAPPED RADICALS PRODUCED BY
GAMMA RADIATION SEP 1959
BY ARNETT R. L. DDC NR. 234627
GUTH E. D. CONTRACT NR. AF 49<638>-65
BERRETH J. R. PROJ/TASK NR. 9760-17601
CARR D. F. <P,L,>

AFOSR TN 59-895
POMONA COLLEGE CLAREMONT CALIF
ULTRASOFT X-RAY INTERACTION COEFFICIENTS AUG 1959
PROC 2D INTERNAT SYMP X-RAY MICROSCOPY AND X-RAY
MICROANALYSIS STOCKHOLM 1960 P10-29
BY MEHRE R. L. DDC NR. 228780
CONTRACT NR. AF 49<638>-554
PROJ/TASK NR. 9761-17611

AFOSR TN 59-896
NORTH CAROLINA UNIV CHAPEL HILL
THE CHELON APPROACH TO ANALYSIS AUG 1959
J CHEM EDUC 36 619-626 DEC 1959
BY REILLEY C N DDC NR. 227955
SCHMID R W CONTRACT NR. AF 49<638>-933
CONTRACT NR. AF 18<600>-1160
SADEK F S PROJ/TASK NR. 9761-17630

AFOSR TN 59-897
DUBLIN INST FOR ADVANCED STUDIES IRE
FURTHER EVIDENCE FOR A VARIATION IN THE RATE OF DENSE
EXTENSIVE AIR SHOWERS WITH SOLAR TIME
PHYS REV 113 712-713 JAN 1959
BY MCCUSKER C B A DDC NR. 229631
PAGE D F CONTRACT NR. AF 61<052>-163
REID R A PROJ/TASK NR. 9776-17665

AFOSR TN 59-898
OXFORD UNIV ENGLAND
FAST ION HEATING
PHYS REV LTRS 2 82 FEB 1959
BY REGAN D DDC NR. 229320
MOTZ, H. <P,L,> CONTRACT NR. AF 61<514>-1103
PROJ/TASK NR. 9768-17650

AFOSR TN 59-899
OXFORD UNIV ENGLAND
SOME COMPRESSION WAVES IN PLASMAS
PHYS FLUIDS 2 93 JAN-FEB 1959
BY REAGAN D DDC NR. 229319
MOTZ, H. <P,L,> CONTRACT NR. AF 61<514>-1103
PROJ/TASK NR. 9768-17650

AFOSR TN 59-900
STANFORD UNIV CALIF
NUCLEON STRUCTURE AND ELECTROMAGNETIC INTERACTION -
THEORY SEP 1959
BY SCHIFF L I DDC NR. 226977
CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-17600

AFOSR TN 59-902
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
PRODUCTION OF CARBON IN THE UPPER ATMOSPHERE JUL 1959
BY CHOPRA K. P. DDC NR. 228197
CHUAN, R (<P,I,>) CONTRACT NR. AF 18<603>-99
PROJ/TASK NR. 9781-17712

AFOSR TN 59-903
TUFTS UNIV MEDFORD MASS
INITAL REACTION INTERMEDIATES IN THE OZONATION OF ALKENES
SEP 1960
ANNUAL RPT W/THIS TYPIN CONTR FOLDER
BY SANTILLI A A DDC NR. 244737
GREENWOOD F L CONTRACT NR. AF 49<638>-292
PROJ/TASK NR. 9760-17600

AFOSR TN 59-904
CHICAGO UNIV OF ILL
MATHEMATICAL BIOPHYSICS OF COLOR VISION III.
COLOR CONSTANCY
BUL MATH BIOPHYS 2 395-402 1959
BY LANDAHL H D DDC NR. 230021
CONTRACT NR. AF 49<638>-616
PROJ/TASK NR. 9777-17701

AFOSR TN 59-905
TECHNICAL UNIV OF NORWAY TRONDHEIM
THEORETICAL INVESTIGATIONS USING ELECTRON DIFFRACTION
METHODS, JUL 59
BY BASTIANSEN O DDC NR. 226836
CONTRACT NR. AF 61<052>-72
PROJ/TASK NR. 9760-17600

AFOSR TN 59-906
BAYLOR UNIV HOUSTON TEX
THE RAT HYPOTHALAMUS IN STEREOTAXIC COORDINATES
J COM NEUROL 113 389-400 DEC 1959
BY DE GROOT J DDC NR. 236037
FORTIER C CONTRACT NR. AF 49<638>-386
PROJ/TASK NR. 9777-17701

AFOSR TN 59-907
CALIFORNIA INST. OF TECHNOLOGY
ASTROPHYSICAL RESEARCH IN SPACE SEP 1959
4TH SYMP. ON BALLISTIC MISSILE & SPACE TECHNOLOGY.
PERGAMON PRESS 1960
BY GREENSTEIN, J. L. DDC NR. 226328
CONTRACT NR. AF 49<638>-21
PROJ/TASK NR. 9776-17661

AFOSR TN 59-908
SUNDSTRAND CORP. ROCKFORD, ILL
SCALING PROCEDURES FOR ROCKETS UTILIZING LIQUID PROPELLANTS
OF VARIABLE COMPOSITION AND MIXTURE RATIO AUG 1959
BY PFENNER, S. S. DDC NR. 227923
BIASON, L. L.<P,I,> CONTRACT NR. AF 18<603>-107
PROJ/TASK NR. 9791-17910

AFOSR TN 59-909
MICHIGAN UNIV OF ANN ARBOR
DETECTION OF A SIGNAL SPECIFIED EXACTLY WITH A NOISY
STORED REFERENCE SIGNAL SEP 1959
BY BIRDSALL T G DDC NR. 229517
TANNER W CONTRACT NR. AF 49<638>-369
PROJ/TASK NR. 9770-17710

AFOSR TN 59-910
GEORGETOWN UNIV WASH D C
SCIENCE AND SOCIAL CHANGE.# A PRELIMINARY DISCUSSION
AUG 1959
BY WASHBURNE N F DDC NR. 227172
ZINNER H CONTRACT NR. AF 49<638>-107
PROJ/TASK NR. 9770-17707

AFOSR TN 59-911
CALIFORNIA INST OF TECHNOLOGY, PASADENA
INTERACTION OF ELECTROMAGNETIC WAVES WITH IONIZED
GASES AUG 1959
BY JOHN R C DDC NR. 228369
PENNER S S CONTRACT NR. AF 18<603>-2
PROJ/TASK NR. 9791-17910

AFOSR TN 59-916
OSLO UNIV OF NORWAY
INVESTIGATION OF MOLECULAR STRUCTURES JUN 1959
BY HASSEL O DDC NR. 226643
CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-17600

AFOSR TN 59-917
CALIFORNIA UNIV OF LOS ANGELES
A PARTIAL TRACKING SERVO FOR ADAPTIVE CONTROL
SYSTEMS AUG 1959
BY MARGOLIS M DDC NR. 229970
LEONDES C T CONTRACT NR. AF 49<638>-638
ESTRIN G PROJ/TASK NR. 9781-17726

AFOSR TN 59-918
STANFORD UNIV CALIF
SYNTHESIS OF THIRD ORDER CONTACTOR CONTROL SYSTEMS
OCT 1959
PROC 1ST INT CONGRESS OF THE INT FED OF AUTOMATIC CONTROL
1960 MOSCOW PP. 132-138, BUTTERWORTHS
BY FLUGGE-LOTZ I DDC NR. 228824
CONTRACT NR. AF 49<638>-513
PROJ/TASK NR. 9781-17726

AFOSR TN 59-920
AEROCHEM RSCH LABORATORIES INC, PRINCETON, NJ
THE EFFECTS OF DIFFUSION AND CHEMICAL REACTION ON CONVECTIV
HEAT TRANSFER
ARSJ 30 114-119 JAN 1960
BY ROSNER, D. E. DDC NR.
CALCOTE, H. F.<P,I,> CONTRACT NR. AF 49<638>-100
PROJ/TASK NR. 9752-17721

AFOSR TN 59-921
MODENA UNIV OF ITALY
ANODIC BEHAVIOUR OF HYDROGEN PEROXIDE ON PLATINUM
ELECTRODES APR 1959
BY BIANCHI G DDC NR. 228991
CAPOCIOGLIO G CONTRACT NR. AF 61<052>-84
DAVOLIO G PROJ/TASK NR. 9761-17610
GASPERINI F
MAZZA F

AFOSR TN 59-922
MICHIGAN UNIV OF ANN ARBOR
SPIN RESONANCE OF V2 V3 V4 IN A12O3 NOV 59
PHY REV 116 71-77 APR 1960
BY LAMBE J DDC NR. 229927
ELIUCHU C CONTRACT NR. AF 49<638>-48
TIPPANY L PROJ/TASK NR. 9761-17691
KIKUCHI C

AFOSR TN 59-923
MICHIGAN UNIV OF ANN ARBOR
DESCRIPTION OF THE LABORATORY-S FACILITIES USED IN THE
PSYCHO-PHYSICAL STUDY OF MEMORY
UNKNOWN
BY BILGER R DDC NR. 229918
TANNER W P CONTRACT NR. AF 49<638>-369
PROJ/TASK NR. 9770-17706

AFOSR TN 59-924
PLASMADYNE CORP SANTA ANA, CALIF
AN EXPERIMENTAL STUDY OF SPARK STABILIZATION BY A GAS VORTE
AUG 1959
BY COBB, C. DDC NR. 228194
BLACKMAN, V. H. CONTRACT NR. AF 49<638>-916
LOOS H G<P,I> PROJ/TASK NR. 9761-17712

AFOSR TN 59-926
PRINCETON UNIV NJ
NUMERICAL SOLUTIONS OF SHOCK-INDUCED UNSTEADY BOUNDARY LAYE
AUG 59
BY LAM, S. H. DDC NR.
BODGONOFF S<P,I> CONTRACT NR. AF 49<638>-669
PROJ/TASK NR. 9781-17712

AFOSR TN 59-927
CORNELL UNIV ITHACA, N Y
AN INVISCID BOUNDARY LAYER OF MAGNETOHYDRODYNAMICS AUG 1959
BY LEHELLER W. S. DDC NR. 229701
SEARS W R<P,I,> CONTRACT NR. AF 18<600>-1421
PROJ/TASK NR. 9781-17712

AFOSR TN 59-928
MARYLAND UNIV OF COLLEGE PARK
THE PAIR DISTRIBUTION FUNCTION OF A HARD SPHERE ROSE SYSTEM
CALCULATED BY THE PSEUDO-POTENTIAL MET-HOD
J MATH PHYS 1 87-96 MAR-APR 1960
BY COLLINS L. DDC NR. 228857
MONTROLL E W<P,I> CONTRACT NR. AF 18<600>-1315
PROJ/TASK NR. 9791-17911

AFOSR TN 59-929
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
OPTIMUM EXHAUST VELOCITY FOR LOW - THRUST ESCAPE SEP 1959
BY BERMAN C DDC NR. 228262
CONTRACT NR. AF 49<638>-363
PROJ/TASK NR. 9781-17726

AFOSR TN 59-930
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE RADIAL VELOCITY OF SIGMA ORIONIS E
ASTROPHYS J 130 JUL 1959 338-339
BY WALLERSTEIN, G. DDC NR. 228276
GREENSTEIN J L<P,I> CONTRACT NR. AF 49<638>-21
PROJ/TASK NR. 9776-17661

AFOSR TN 59-931
MARYLAND UNIV OF COLLEGE PARK
NATURE OF THE SINGULARITIES IN THE SPECTRUM OF A ONE-
DIMENSIONAL IONIC LATTICE SEP 1959
PHYS REV 119 1920-1921 SEP 1959
BY GELLIS, J. DDC NR. 226856
WEISS, G. H. CONTRACT NR. AF 18<600>-1315
MONTROLL E W<P,I> PROJ/TASK NR. 9791-17911

AFOSR TN 59-933
NORTH CAROLINA UNIV CHAPEL HILL
ON STOCHASTIC MATRICES WITH A NON-TRIVAL GREATEST
POSITIVE ROOT NOV 1959
DUKE MATH J 27 291-296 SEP 1960
BY BRAUER A T DDC NR. 237681
CONTRACT NR. AF 18<603>-38
PROJ/TASK NR. 9769-17650

AFOSR TN 59-936
TEXAS UNIV OF AUSTIN
DECOMPOSITION OF VINYLACETYLENE AND DIACETYLENE AND THEIR
INTERACTION WITH ACETYLENE AUG 1959
BY FRAZEE, J. D. DDC NR. 228937
ANDERSON, R. C. CONTRACT NR. AF 18<603>-162
WATSON, R. A.<P,',> PROJ/TASK NR. 9791-17910

AFOSR TN 59-939
OKLAHOMA UNIV OF NORMAN
EXCITATION FUNCTION OF HELIUM 91P FOR ELECTRON COLLISIONS
JAN 1960
J OPT SOC 50 28-32 JAN 1960
BY ST. JOHN, R. M. DDC NR. 235361
BRONCO, J. CONTRACT NR. AF 49<638>-61
FOWLER, R. G. PROJ/TASK NR. 9767

AFOSR TN 59-947
CALIFORNIA UNIV OF BERKELEY,
A NOTE ON CERTAIN POLYNOMIAL ALGEBRAS 1959
BY THOMAS E DDC NR. 235363
KOSTANT B. <P,I,> CONTRACT NR. AF 49<638>-79
PROJ/TASK NR. 9769-17650

AFOSR TN 59-938
COLORADO UNIV OF, BOULDER
SEQUENCES GENERATED BY INTERATION 1959
BY THROM W. J.
DDC NR. 226018
CONTRACT NR. AF 49(638)-100
PROJ/TASK NR. 9783-37727

AFOSR TN 59-943
NEW YORK UNIV N.Y.
THE INFULUENCE OF EDGES AND CORNERS ON POTENTIAL FUNCTIONS OF SURFACE LAYERS JUN 1959
BY LEIS, R.
KLINE, M.(P.U.)
DDC NR. 228551
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR TN 59-944
NEW YORK UNIV NY
ON SOME FREDHOLM INTEGRAL EQUATIONS ARISING IN DIFFRACTION THEORY AUG 1959
BY YANG, C. H.
KLINE, M. (P.I.)
DDC NR. 229003
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR TN 59-945
NEW YORK UNIV NY
ON THE DIRICHLET PROBLEM FOR THE REDUCED WAVE EQUATION JUN 1959
BY LEIS, R.
KLINE, M.(P.I.)
DDC NR. 231668
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR TN 59-946
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO NY
MEASURED TRANSITION PROBABILITIES FOR THE SCHUMANN-RUNGE SYSTEM OF OXYGEN
J CHEM PHYS 32 758-766 MAR 1960
BY TREANOR, C. E.
WURSTER, W. H.
HERTZBERG, A.(P.I.)
DDC NR.
CONTRACT NR. AF 49 (638)-269
PROJ/TASK NR. 9751

AFOSR TN 59-947
PLASMADYNE CORP SANTA ANA, CALIF
FLEXURE OF A TWO-DIMENSIONAL ARC UNDER FORCED CONVECTION AUG 1959
BY THIENE, P. G.
LOOS H G(PI)
DDC NR. 228540
CONTRACT NR. AF 49(638)-334
PROJ/TASK NR. 9781-37712

AFOSR TN 59-948
STANFORD UNIV CALIF
SPECTRAL REPRESENTATIONS OF GREEN-S FUNCTIONS IN PERTURBATION THEORY SEP 1959
BY BJORKEN J D
SCHIFF, L. I.(P.I.)
DDC NR. 229094
CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 59-949
GEORGETOWN UNIV WASH D C
SCORING MANUAL FOR A SENTENCE COMPLETION TEST OF HOSTILITY, AGGRESSION ANXIETY AND PROJECTION SEP 1959
BY ZIMMER H
DDC NR. 227059
CONTRACT NR. AF 49(638)-487
PROJ/TASK NR. 9779-37732

AFOSR TN 59-950
HARVARD UNIV CAMBRIDGE MASS
PERFLUOROALKYL DERIVATIVES OF TIN AND LEAD
CHEM IND 1409-1410 1959
BY STONE F G A
DDC NR.
CONTRACT NR. AF 49(638)-518
PROJ/TASK NR. 9762-37620

AFOSR TN 59-951
HARVARD UNIV, CAMBRIDGE, MASS
THE BILINEAR RELATION ON OPEN RIEMANN SURFACES BY ROBERT D. M. ACCOLA OCT 1959
BY ACCOLA, D. M.
WALSH, J. L.(P.I.)
DDC NR. 228008
CONTRACT NR. AF 49(638)-574
PROJ/TASK NR. 9769-37658

AFOSR TN 59-952
HARVARD UNIV, CAMBRIDGE, MASS
NOTE ON DEGREE OF APPROXIMATION BY BOUNDED ANALYTIC FUNCTIO
PROBLEM B OCT 1959
BY WALSH, J. L.
AHLFORS, L. V.(P.I.)
DDC NR. 228076
CONTRACT NR. AF 18(600)-1461
PROJ/TASK NR. 9783-37727

AFOSR TN 59-954
ROME UNIV OF ITALY
MAR 1959 EXPERIMENTAL INVESTIGATION ON DELTA WING AND COMPLETE CONFIGURATION MODELS FOR AEROELASTIC SIMILARITY PROBLEMS AT SUPERSONIC BLOW DOWN WIND-TUNNEL
BY BROGLIO, L.
BUONGIORNO, C.
PONZI, U.
RAVELLI, G.
DDC NR. 226439
CONTRACT NR. AF 61(514)-888
PROJ/TASK NR. 9782-37718

AFOSR TN 59-955
ROYAL INST. OF TECHNOLOGY, STOCKHOLM SWEDEN
LIQUID FLOW IN TUBES I. THE TRANSITION PROCESS UNDER HIGHLY DISTRUBED ENTRANCE FLOW CONDITIONS
ARKIV FOR FYSIK 15 97-119 MAR 1959
BY LINDGREN, E. R.
FAXEN O H(PI)
DDC NR. 226598
CONTRACT NR. AF 61(514)-1202
PROJ/TASK NR. 9781-37712

AFOSR TN 59-956
ROYAL INST. OF TECHNOLOGY, STOCKHOLM
LIQUID FLOW IN TUBES, II. THE TRANSITION PROCESS UNDER LESS DISTURBED INLET FLOW CONDITIONS
ARKIV FOR FYSIK 15 503-519 MAY 1959
BY LINDGREN, E. R.
FAXEN O H(PI)
DDC NR. 226599
CONTRACT NR. AF 61(514)-1202
PROJ/TASK NR. 9781-37712

AFOSR TN 59-957
ROYAL INST. OF TECHNOLOGY, STOCKHOLM, SWEDEN
LIQUID FLOW IN TUBES, III. CHARACTERISTIC DATA OF THE TRANSITION PROCESS
ARKIV FOR FYSIK 16 101-112 JUL 1959
BY LINDGREN, E. R.
FAXEN O H(PI)
DDC NR. 226597
CONTRACT NR. AF 61(514)-1202
PROJ/TASK NR. 9781-37712

AFOSR TN 59-958
IST ELECTROTECNICO NAZIONALE GALLILES FERRARIS TORINO ITALY
ELECTRON MICROSCOPY EXAMINATION OF THE EFFECT OF HIGH ENERGY BOMBARDMENT ON SEMICONDUCTOR SINGLE CRYSTALS 1959
BY BONFIGLIOLI G
FERRO A
MOJONI A
DDC NR. 226423
CONTRACT NR. AF 61(514)-1333
PROJ/TASK NR. 9760-37601

AFOSR TN 59-959
LEIDEN, STATE UNIV OF, NETHERLANDS
JUL 1959 RELATIONS BETWEEN PATH INTEGRALS AND THE VARIATIONAL PRINCIPLES OF HAMILTON
BY VLIEGER, J.
MAZUR, P.
DEGROOT, S. R.
DDC NR. 226407
CONTRACT NR. AF 61 (052)-16
PROJ/TASK NR. 9751-37511

AFOSR TN 59-960
LEIDEN, STATE UNIV OF NETHERLANDS
JULY 1959, ENTROPY AND GAUSSIAN-MARKOFF PROCESSES
BY MAZUR, P.
DEGROOT, S. R.
DDC NR. 266408
CONTRACT NR. AF 61(052)-16
PROJ/TASK NR. 9751-37511

AFOSR TN 59-961
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRA OF CHROMIUM AND MANGANESE IN THE SPINEL STRUCTURE
PHYS REV 116 561-564 NOV 1959
BY STAHL-BRADA R
LOW W
DDC NR. 226397
CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR TN 59-962
AERONAUTICAL RSCH INST. OF SWEDEN
APR.1959 A THEORETICAL INVESTIGATION OF SECOND-ORDER SUPERSONIC INTERFERENCE EFFECTS
BY BEANE, B. J.
LANDAHL M. T.
DROUGGE G (P.I.)
DDC NR. 226957
CONTRACT NR. AF 61(052)-75
PROJ/TASK NR. 9781-37712

AFOSR TN 59-963
LIEGE UNIV BELGIUM
PROBLEMS AND METHODS IN PARTIAL DIFFERENTIAL EQUATIONS
PART III DIFFERENTIATION OF THE FINITE PART AND OF THE LOGARITHMIC PART OF SOME DIVERGENT INTEGRALS WITH APPLICATIONS TO CAUCHY PROBLEM
ANN MAT PURA ET APPL 51 225-300 1960
BY BUREAU, F. J.
DDC NR. 232055
CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-37658

AFOSR TN 59-964
STANFORD UNIV CALIF
FLUX AT SEA LEVEL OF HEAVY CHARGED PARTICLES PAIR-PRODUCED IN COSMIC-RAY SHOWERS SEP 1959
PHYS REV 117 1128-1129 FEB 1960
BY GOLDBERG A
SCHIFF, L. I.(P.I.)
DDC NR. 229423
CONTRACT NR. AF 49(638)-388
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AFOSR TN 59-965
STANFORD UNIV CALIF
INTERFERENCE EFFECTS IN HIGH-ENERGY BREMSSTRAHLUNG FROM CRYSTALS SEP 1959
PHYS REV 117 1394-1401 MAR 1960
BY SCHIFF L I
DDC NR. 229408
CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 59-966
MARYLAND UNIV OF COLLEGE PARK
THE KIRKENDALL EFFECT IN GASEOUS DIFFUSION SEP 1959
PHYS FLUIDS 0 908-922 NOV DEC 1960
BY MASON E A
MCCARTY K P
DDC NR. 226853
CONTRACT NR. AF 18(600)-1562
PROJ/TASK NR. 9760-37600

AFOSR TN 59-967
JOHNS HOPKINS UNIV BALTIMORE MD
FAR INFRARED SPECTRA OF SOME SYMMETRIC TOP MOLECULES DEC 1959
J CHEM PHYS 556-559 FEB 1960
BY ROBINSON D W
MCQUARRIE D A
DDC NR. 229729
CONTRACT NR. AF 49(638)-468
PROJ/TASK NR. 9760-37600

AFOSR TN 59-968
PURDUE UNIV LAFAYETTE IND
THE THERMODYNAMIC PROPERTIES OF TECHNETIUM AND RHENIUM COMPOUNDS. VII. HEATS OF FORMATION OF RHENIUM TRICHLORIDE AND RHENIUM TRIBROMIDE, FREE ENERGIES AND ENTROPIES OCT 1959
JACS 82 1111-2113 MAY 1960
BY COBBLE J W
DDC NR. 227927
CONTRACT NR. AF 18(600)-1525
PROJ/TASK NR. 9760-37600

AFOSR TN 59-969
BELL AIRCRAFT CORP BUFFALO N Y
A STUDY OF VELOCITY-FREQUENCY-DAMPING RELATIONSHIPS FOR WING AND PANEL BINARY SYSTEMS IN HIGH SUPERSONIC FLOW OCT 1959
BY ZISFEIN M B
FRUSH F J
DDC NR. 228774
CONTRACT NR. AF 49(638)-365
PROJ/TASK NR. 9782-37718

AFOSR TN 59-971
PISA UNIV OF ITALY
SYNCHRONIZING INFLUENCES OF THE BRAIN STEM AND THE INHIBITORY MECHANISMS UNDERLYING THE PRODUCTION OF SLEEP BY SENSORY STIMULATIONS
INT . COLLOQUIUM ON ELECTROENCEPHALOGRAPHY OF HIGHER NERVOUS ACTIVITY MOSCOW, OCT 1959 PP 231-256
BY MORUZZI G — DDC NR. 228329 — CONTRACT NR. AF 61(052)-1125 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-972
PISA UNIV OF ITALY
ATTIVAZIONE ELETTROENCEFALOGRAFICA PRODOTTA PER MEZZO DI INATTIVAZIONE TEMPORANEA DELLE PARTI CAUDALI DEL TRONCO DELL-ENCEFALO EEG ACTIVITY PRODUCED BY TEMPORARY INACTIVATION OF THE CAUDAL PART OF THE BRAIN STEM
RIV DI NEUROL 29 129-132 MAR-APR 1959
BY MAGNI F; MORUZZI G; ROSSI G F; ZANCHETTI A — DDC NR. — CONTRACT NR. AF 61(516)-1125 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-973
PISA UNIV OF ITALY
EVIDENCE FOR THE EXISTENCE OF AN EEG SYNCHRONIZATION MECHANISM ORIGINATING IN THE LOWER BRAIN STEM
ELECTROENCEPHALOGRAPHY AND CLIN NEUROPHYSIOL
J 11 551-566 AUG 1959
BY CORDEAU J P; MANCIA M; MORUZZI G — DDC NR. 226322 — CONTRACT NR. AF 61(514)-1125 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-974
MARYLAND UNIV OF COLLEGE PARK
A THEORY OF LOWER BOUNDS FOR EIGENVALUES AUG 1959
BY WEINBERGER H F; WEINSTEIN A — DDC NR. 226855 — CONTRACT NR. AF 49(638)-220 — PROJ/TASK NR. 9781-37727

AFOSR TN 59-975
INST NACIONAL DE TECNICA AERONAUTICA, MADRID SPAIN
A THEORETICAL INVESTIGATION ON THE COMBUSTION OF LIQUID AIRPROPELLANT DROPLET APR 1960
BY TARIFA, C. S.; PEREZ DEL NOTARIO, P; MILLAN, G. <P.I.> — DDC NR. 246659 — CONTRACT NR. AF 61(052)-221 — PROJ/TASK NR. 9781-37510

AFOSR TN 59-976
UPPSALA UNIV OF SWEDEN
RESEARCH ON LOCALIZED RADIO-LESIONS PT II EFFECT OF HIGH ENERGY PROTONS ON THE BRAIN OF THE RABBIT MAY 1959
BY REXED B; MAIR W; SOURANDER P; LARSSON R; LOKKELL L; SVEDBERG, T . — DDC NR. 226389 — CONTRACT NR. AF 61(514)-1247 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-977
NAPLES UNIV OF ITALY
APR 1959, LAMINAR MIXING OF STREAMS OF DIFFERENT GASSES.
BY NAPOLITANO, L. G.; POZZI, A. — DDC NR. 226669 — CONTRACT NR. AF 61(052)-160 — PROJ/TASK NR. 9781-37712

AFOSR TN 59-978
PRINCETON UNIV N J
THE THERMAL OZONE-HYDROGEN REACTION SEP 1959
BY GARVIN D — DDC NR. 228326 — CONTRACT NR. AF 18(603)-134 — PROJ/TASK NR. 9769-37650

AFOSR TN 59-980
INST FOR ADVANCED STUDY, PRINCETON, N J
VARIANT OF HELLY-S THEOREM SEP 1959
BY GRUNBAUM, B.; MORSE M<PI>; BEURLING A<PI> — DDC NR. 228283 — CONTRACT NR. AF 49(638)-251 — PROJ/TASK NR. 9781-37727

AFOSR TN 59-981
INST OF ADVANCED STUDY, PRINCETON, NJ
ON A PROBLEM OF L. FEJES-TOTH SEP 1959
BY GRUNBAUM, B.; MORSE M<PI>; BEURLING A<PI> — DDC NR. 228282 — CONTRACT NR. AF 49(638)-251 — PROJ/TASK NR. 9781-37727

AFOSR TN 59-982
CALIFORNIA UNIV OF, BERKELEY,
WHICH LIE GROUPS ARE HOMOTOPY-ABELIAN SEP 1959
PROC NAS 45 737-740 MAY 1959
BY THOMAS E; JAMES I M; KOSTANT B. <P.I.> — DDC NR. 226764 — CONTRACT NR. AF 49(638)-79 — PROJ/TASK NR. 9760-37650

AFOSR TN 59-983
STANFORD UNIV CALIF
CONTINUOUS TRANSLATION OF HOLDER AND LIPSCHITZ FUNCTIONS OCT 1959
BY MIRELI, H.; DE LEEUW K<PI> — DDC NR. 229089 — CONTRACT NR. AF 49(638)-296 — PROJ/TASK NR. 9760-37650

AFOSR TN 59-984
CORNELL UNIV ITHACA, NY
ROTATIONAL RELAXATION FOR ROUGH SPHERES
J OF CHEM PHYS 32 913-923 MAR 60
BY WANG, A. — DDC NR. 236291 — CONTRACT NR. AF 18(603)-111 — PROJ/TASK NR. 9781-37811

AFOSR TN 59-985
OHIO STATE UNIV COLUMBUS
ANALYTICAL STUDY ON THE TRANSVERSE FIELD TRAVELING-WAVE TUBES JUL 1959
BY CHEN, F. S.; ROORF F M<PI> — DDC NR. 228321 — CONTRACT NR. AF 18(600)-982 — PROJ/TASK NR. 9768-37650

AFOSR TN 59-986
ILLINOIS UNIV OF URBANA
PRECISION NULL POINT ATOMIC ABSORPTION SPECTROCHEMICAL ANALYSIS SEP 1959
ANAL CHEM 32 229-232 FEB 1960
BY MALMSTADT H V; CHAMBERS W F — DDC NR. — CONTRACT NR. AF 18(603)-137 — PROJ/TASK NR. 9769-37600

AFOSR TN 59-987
HARVARD UNIV CAMBRIDGE MASS
PERFLUOROVINYL METALLIC COMPOUNDS U
JACS 81 6336 1959
BY STONE F G A — DDC NR. — CONTRACT NR. AF 49(638)-918 — PROJ/TASK NR. 9762-37620

AFOSR TN 59-989
TEXAS UNIV OF
THE INHIBITION OF AGGRESSION UNDER NONARBITRARY FRUSTRATION
J PERSONALITY 28 108-117 MAR 1960
BY ROTHAUS P; WORCHEL — DDC NR. 238691 — CONTRACT NR. AF 49(638)-660 — PROJ/TASK NR. 9778-37708

AFOSR TN 59-990
CALIFORNIA UNIV OF BERKELEY
THE PERTURBATION OF MOLECULAR DISTRIBUTION FUNCTIONS BY CHEMICAL REACTION SEP 1959
J CHEM PHYS 32 362-364 FEB 1960
BY MAHAN A H — DDC NR. 227606 — CONTRACT NR. AF 49(638)-1 — PROJ/TASK NR. 9769-37610

AFOSR TN 59-991
CALIFORNIA UNIV OF BERKELEY
SPECTROSCOPIC STUDY OF THE PHOTOLYSIS OF DIAZOMETHANE IN SOLID NITROGEN, SEP 1959
JACS 82 1065-1068 1960
BY GOLDFARB T D; PIMENTEL G C — DDC NR. 227605 — CONTRACT NR. AF 49(638)-1 — PROJ/TASK NR. 9769-37610

AFOSR TN 59-992
JOHNS HOPKINS UNIV BALTIMORE, MD.
PROBABILITY DENSITY MEASUREMENT WITH AN ELECTRODE MOUNTED IN THE FACE OF A CATHODE-RAY TUBE
REV SCI INST 30 1100-1102 DEC59
BY LIEN H; CORRSIN S. <P.I.> — DDC NR. 259193 — CONTRACT NR. AF 49(638)268 — PROJ/TASK NR. 9781-37712

AFOSR TN 59-993
KAROLINSKA INST STOCKHOLM SWEDEN
BIOPHYSICAL INVESTIGATIONS OF THE MINERAL PHASE IN HEALING FRACTURES
SUPPL NO. XXXVII, ACTA ORTHOPAEDICA SCANDINAVICA 1959
BY NILSONNE U; ARLSTROM O; PERSHARD C G — DDC NR. 227570 — CONTRACT NR. AF 61(052)-14; AF 61(052)-21 — PROJ/TASK NR. 9777-37702

AFOSR TN 59-994
OSLO UNIV OF NORWAY
THE TEMPORAL LOBE SUBSTRATE OF FEAR AND ANGER, A REVIEW OF RECENT STIMULATION AND ABLATION STUDIES IN ANIMALS AND HUMANS
ACTA PSYSCHIAT ST NEUROL SCAND 35 378-396 196
BY URSIN H — DDC NR. 226793 — CONTRACT NR. AF 61(514)-1127 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-995
OSLO UNIV OF NORWAY
GENERALIZED ELECTROCORTICAL ACTIVATION BY CORTICAL STIMULATION IN THE CAT
ELECTROENCEPHAL CLIN NEUROPHYSIOL 12 567-573 1960
BY KAADA B R; JOHANNESSEN N R — DDC NR. 226792 — CONTRACT NR. AF 61(514)-1127 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-996
OSLO UNIV OF NORWAY
BEHAVIOR ATTENTION AND FEAR INDUCED BY CORTICAL STIMULATION IN THE CAT
ELECTROENCEPH CLIN NEUROPHYSIOL 12 579-588 1960
BY FANGEL C; KAADA B R — DDC NR. 226791 — CONTRACT NR. AF 61(514)-1127 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-997
OSLO UNIV OF NORWAY
INTERMIPPOCAMPAL IMPULSES, I. ORIGIN, COURSE AND DISTRIBUTION IN CAT, RABBIT AND RAT
ACTA PHYSIOL SCAND 47 63-90 1960
BY ANDERSEN P; KAADA B — DDC NR. 226790 — CONTRACT NR. AF 61(514)-1127 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-998
OSLO UNIV OF NORWAY
INTERMIPPOCAMPAL IMPULSES, II. APICAL DENDRITIC ACTIVATION OF CAL NEURONS
ACTAPHYSIOL SCAND 48 178-208 1960
BY ANDERSEN P; KAADA B R — DDC NR. 226757 — CONTRACT NR. AF 61(514)-1127 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-999
OSLO UNIV OF NORWAY
INTERMIPPOCAMPAL IMPULSES, III, BASAL DENDRITIC DENDRITIC ACTIVATION OF CAT NEURONS
ACTA PHYSIOL SCAND 48 209-230 1960
BY ANDERSEN P; KAADA B R — DDC NR. 226756 — CONTRACT NR. AF 61(514)-1127 — PROJ/TASK NR. 9777-37700

AFOSR TN 59-1000
OSLO UNIV OF NORWAY
TELENCEPHALIC AROUSAL AREAS - THEIR RELATION TO THE SITE OF ACTION OF PSYCHOTROPIC DRUGS
FIRST INT SYMPOSIUM ON METHODS AND ANALYSIS OF ELSEWIER 1959 DRUG-INDUCED BEHAVIOR IN ANIMALS, SEP 9, 1958 PP 38-49 ROME, ITALY
BY KAADA B R — DDC NR. 220796
ANDERSEN, P. — CONTRACT NR. AF 61(514)-1127
PROJ/TASK NR. 9777-97700

AFOSR TN 59-1001
OSLO UNIV OF NORWAY
EFFECTS OF BARBITURATES AND NITROUS OXIDE ON THE LEVEL OF 17-OH-STEROIDS AND EOSINOPHIL CELLS IN CAT
ACTA PHARMACOL ET TOXICOL 16 87-96 1959
BY KAADA B R — DDC NR. 220796
SETEKLEIV J — CONTRACT NR. AF 61(514)-1127
SKAUG G F — PROJ/TASK NR. 9777-97700

AFOSR TN 59-1002
PRINCETON UNIV NJ
COMBUSTION INSTABILITY IN SOLID ROCKETS USING PROPELLANTS WITH SUSPENDED METALLIC POWERS SEP 1959
BY CHENGL S. I. — DDC NR. 231172
BOGDONOFF, S.(P.I.) — CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-97712

AFOSR TN 59-1003
ILLINOIS UNIV OF URBANA
SOME PROPERTIES OF VANADIUM AT SUBATMOSPHERIC TEMPERATURES SEP 1959
TRANS METALL SOC AIME 218 977-979 APR 1960
BY HAYMAN C M — DDC NR. 227357
READ T A — CONTRACT NR. AF 49(638)-620
MREN J A — PROJ/TASK NR. 9760-97601
REASE, I. A.

AFOSR TN 59-1004
CORNELL UNIV ITHACA N Y
DIFFUSION AND DESORPTION OF METAL IMPURITIES IN PLATINUM OCT 1959
PHYS REV 117 1204-1207 MAR 1960
BY BRADLEY R C — DDC NR. 239156
STEGEL B M — CONTRACT NR. AF 18(600)-676
PROJ/TASK NR. 9761-97611

AFOSR TN 59-1005
CALIFORNIA UNIV OF BERKELEY
SELF-DIFFUSION IN NICKEL SINGLE CRYSTALS JUL 1959
BY MFSSMER A — DDC NR. 229176
BERSOH B — CONTRACT NR. AF 49(638)-98
DORN J E — PROJ/TASK NR. 9780-97601

AFOSR TN 59-1006
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES ON THE RELATIONSHIP BETWEEN OLFACTORY STIMULATING EFFECTIVENESS AND PHYSICO-CHEMICAL PROPERTIES OF ODOROUS COMPOUNDS
ACTA PHYSIOL SCAND 49 167-181 1958
BY OTTOSON D — DDC NR.
BERNHARD C G — CONTRACT NR. AF 61(052)-21
ENGSTROM A — PROJ/TASK NR. 9777-97700

AFOSR TN 59-1007
KAROLINSKA INST STOCKHOLM SWEDEN
DETERMINATION OF STRONTIUM IN BONE BY X-RAY FLUORESCENCE SPECTROSCOPY
EXPER CELL RSCH 17 569-569 1959
BY MOLLUND G — DDC NR.
ENGSTROM A — CONTRACT NR. AF 61(052)-15
PROJ/TASK NR. 9777-97702

AFOSR TN 59-1010
INST MAREY FRANCE
CARACTERISTIQUES DIFFERENTIELLES DES REPONSES AUX STIMULATIONS SENSORIELLES DES PARTIES DU NOYAU ROUGE
DIFFERENTIAL CHARACTERISTICS OF RESPONSES TO SENSARY STIMULATION OF PARTS OF THE RED NUCLEUS
COMPTES RENDUS 248 3767-3769 JUN 1959
BY MASSION M J — DDC NR.
ALBE-FESSARD D — CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-97700

AFOSR TN 59-1011
INST MAREY FRANCE
ROLE DE RELAIS DU CERVELET DANS L-ACTIVATION D-ORIGINE SENSITIVE DES NEURONES MAGNOCELLULAIRES DU NOYAU ROUGE
ROLE OF CEREL
ROLE OF CEREBELLAR RELAYS IN THE ACTIVATION OF THE PACEMAKER OF LARGE NEURONS OF THE RED NUCLEUS
COMPTES RENDUS 249 919-917 JUL 1959
BY ALBE-FESSARD D — DDC NR.
MASSION J — CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-97700

AFOSR TN 59-1012
INST MAREY FRANCE
DUALITY OF OBSERVED RESPONSES IN THE CENTRAL MEDIAN AT THE TIME OF SOMATIC STIMULATIONS, TYPES OF AFFERENCES AND SPINAL TRACTS.
J DE PHYSIOL 51 901-902 JUN 1959
BY ERUGER L — DDC NR.
ALBE-FESSARD D — CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-97700

AFOSR TN 59-1013
INST MAREY FRANCE
ETUDE MACRO-ET MICROPHYSIOLOGIQUE DES REPONSES EVOQUEES DANS LE NOYAU ROUGE PAR DES STIMULATIONS SENSITIVOSENSORIELLES
MACRO AND MICROPHYSIOLOGICAL STUDY ON THE EVOKED RESPONSES OF THE RED NUCLEUS CAUSED BY SENSORY STIMULATION
J DE PHYSIOL 51 905 JUN 1959
BY ALBE-FESSARD D — DDC NR.
MASSION J — CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-97700

AFOSR TN 59-1014
ROME UNIV OF ITALY
JUN 1959 TRANSIENT TEMPERATURES AND THERMAL VIBRATIONS IN SPACE STRUCTURES
PROC DURAND CENTENNIAL CONF PERGAMON 1960 PP 62-75
BY BROGLIO, L. — DDC NR. 230271
CONTRACT NR. AF 61(052)-198
PROJ/TASK NR. 9782-97710

AFOSR TN 59-1015
ROME UNIV OF ITALY
FEB 1959 ANISOTROPIC COMPOSITE THERMAL STRUCTURES FOR HYPERSONIC FLIGHT
BY BROGLIO, L. — DDC NR. 230271
CONTRACT NR. AF 61(052)-198
PROJ/TASK NR. 9782-97710

AFOSR TN 59-1016
COLUMBIA UNIV NY
SHEER BUCKLING OF BARS OCT 1959
BY HERRMANN G. — DDC NR. 228828
ARMENAKAS A. E. — CONTRACT NR. AF 49(638)-650
PROJ/TASK NR. 9782-97717

AFOSR TN 59-1017
CALIFORNIA UNIV OF BERKELEY
RECENT ADVANCES IN THE FIELD OF SAMPLED-DATA AND DIGITAL CONTROL SYSTEMS(MISPRINTED AFOSR(N-58-1017) OCT 1959
AUTOMATIC AND REMOTE CONTROL PROC 1ST INTER CONG OF THE INTER FEDERATION OF AUTOMATIC CONTROL PP 262-269 1960
BY JURY, E. I. — DDC NR. 233272
CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-97650

AFOSR TN 59-1018
STANFORD UNIV CALIF
ON THE ANOMALOUS LOSS OF RESOLUTION OF PARAMAGNETIC RESONANCE HYPERFINE STRUCTURE IN LIQUIDS OCT 59
PHYS REV LTRS 3 423-425 NOV 1959
BY PAKE G E — DDC NR. 240958
TUTTLE JR T R — CONTRACT NR. AF 18(600)-141
PROJ/TASK NR. 9761-97611

AFOSR TN 59-1019
KENT STATE UNIV OHIO
PROTON MAGNETIC RESONANCE STUDY OF THE MONOHYDRATES OF POTASSIUM CHLORIDE AND POTASSIUM STANNOUS CHLORIDE
BULLETIN AMER PHYS SOC 4 4(II)(1959) OHIO 16,17 OCT 1959
BY SILVIDI, A. A. — DDC NR.
MCGRATH, J. W. — CONTRACT NR. AF 49(638)-168
PROJ/TASK NR. 9768-97650

AFOSR TN 59-1020
STANFORD UNIV CALIF
ON EXPERIMENTAL TESTS OF THE GENERAL THEORY OF RELATIVITY SEP 1959
AMER J PHYS 28 340-343 APR 1960
BY SCHIFF L I — DDC NR. 229021
CONTRACT NR. AF 49(638)-168
PROJ/TASK NR. 9750-97500

AFOSR TN 59-1021
CHICAGO UNIV OF, ILL
FINAL STATE INTERACTION IN ZMP DECAY
NUOVO CIM SER X 15 1194-1204 SEP 1959
BY LIMENTANI, S. — DDC NR. 236067
SCHLEIN, P. E. — CONTRACT NR. AF 49(638)-209
STEINBERG, R. M. — PROJ/TASK NR. 9750-97500
AMMAR, R.
SETTI, R. L.
SLATER, W. E.
TELEGDI, V. L.(P.I.)

AFOSR TN 59-1022
CHICAGO UNIV OF ILL
A POSSIBLE EXPERIMENTAL METHOD FOR THE PRODUCTION AND DETECTION OF HEAVY HYPERFRAGMENTS
NUOVO CIM SER X 14 895-897 NOV 59
BY SETTI, R. L. — DDC NR. 236068
SLATER, W. E. — CONTRACT NR. AF 49(638)-209
TELEGDI V L(PI) — PROJ/TASK NR. 9750-97500

AFOSR TN 59-1023
CHICAGO UNIV OF, ILL
A POSSIBLE METHOD OF SPECIFIC CHARGE IDENTIFICATION FROM PROFILE MEASUREMENTS IN NUCLEAR EMULSIONS
NUOVO CIM SER C 15 181-192 1960
BY AMMAR, R. — DDC NR. 236069
TELEGDI, V. L.(P.I.) — CONTRACT NR. AF 49(638)-209
PROJ/TASK NR. 9750-97500

AFOSR TN 59-1024
CHICAGO UNIV OF ILL
HYPERFRAGMENTS PRODUCED BY K CAPTURE IN NUCLEAR EMULSION
* DECAY MODES
NUOVO CIM SER X 14 1226-1248 DEC 1959
BY AMMAR, R. — DDC NR. 236050
TELEGDI V L(PI) — CONTRACT NR. AF 49(638)-209
PROJ/TASK NR. 9750-97500

AFOSR TN 59-1025
CHICAGO UNIV OF ILL
MESIC DECAYS OF HYPERNUCLEI FROM K CAPTURE, I, BINDING ENERGIES
NUOVO CIM SER X 15 181-200 1960
BY LIMENTANI, S. — DDC NR. 238741
SCHLEIN, P. E. — CONTRACT NR. AF 49(638)-209
STEINBERG, R. M. — PROJ/TASK NR. 9750-97500
AMMAR, R.
LEVI, R.
SLATER, W. E.
TELEGDI V L(PI)

AFOSR TN 59-1027
PURDUE UNIV LAFAYETTE IND
PHOTO PRODUCTION OF PI-MESONS
PHYS REV 116 1309-1311 DEC 1959
BY GARTENHAUS, S. — DDC NR. 250976
BLANKENBECLER, R — CONTRACT NR. AF 18(600)-1579
KING R W(PI) — PROJ/TASK NR. 9750-97500

AFOSR TN 59-1028
MARYLAND UNIV OF COLLEGE PARK
TRAPPED RADIATION IN THE EARTH-S MAGNETIC FIELD AUG 59
IV INT CONF ON IONIZATION PHEN IN GASES, UPPSALA, SWEDEN
P 1187-1190 AUG 1959
BY SINGER, S. F. DDC NR, 227259
CONTRACT NR, AF 49(638)-530
PROJ/TASK NR, 9776-37605

AFOSR TN 59-1029
MARYLAND UNIV OF COLLEGE PARK
PRESENT STATUS OF THE EARTH-S RADIATION BELT SEP 1959
10TH INTERNATIONAL ASTRONAUTICAL FEDERATION CONGRESS, LONDO
ENGLAND 1959 390-393 SPRINGER-VERLAG VIENNA 1960
BY SINGER S F DDC NR, 227260
CONTRACT NR, AF 49(638)-530
PROJ/TASK NR, 9776-37605

AFOSR TN 59-1030
DETROIT UNIV OF MICH
DEVELOPMENT OF A MATHEMATICAL THEORY OF PLASTICITY BASED
ON THE CONCEPT OF SLIP II, OCT 1959
BY PAYNE N DDC NR, 229099
CZYZAK S J CONTRACT NR, AF 18(600)-1666
BOW R 9763-37631

AFOSR TN 59-1033
GENERAL ATOMIC, SAN DIEGO, CALIF
THE USE OF MODULATED ATOMIC-BEAM TECHNIQUES FOR THE STUDY
OF SPACE-FLIGHT PROBLEMS OCT 1959
CONF PHYSI CHEM IN AERODYN AND SPACE FLIGHT,PHILADELPHIA,
1-9 SEP 59 PLANETARY AND SPACE SCIENCE, V3, FEB 1961
PP 162-168
BY HOLSTER, G S. DDC NR, 229282
BRACEWARR, R. T. CONTRACT NR, AF 49(638)-396
FITE W. L. PROJ/TASK NR, 9783-37726

AFOSR TN 59-1034
CHICAGO UNIV OF, ILL
NON-UNIQUENESS IN CAUCHY S PROBLEM AUG 1959
BY PLIS A. DDC NR, 229609
ZYGMUND A <P.I.> CONTRACT NR, AF 49(638)-641
PROJ/TASK NR, 9769-37650

AFOSR TN 59-1035
MIAMI UNIV OF CORAL GABLES, FLA
THE POLE OF THE STRONG MARKOV PROPERTY IN PROBABILITY THEOR
BY AUSTIN, D. G. DDC NR, 231919
CONTRACT NR, AF 49(638)-106
PROJ/TASK NR, 9760-37650

AFOSR TN 59-1036
INST FOR ADVANCED STUDY, PRINCETON, NJ
COMMON TRANSVERSALS FOR FAMILIES OF SETS OCT 1959
BY GRUNBAUM, B. DDC NR, 228281
MOOSE M<PI> CONTRACT NR, AF 49(638)-251
BEURLING A<PI> PROJ/TASK NR, 9783-37727
GRUNBAUM B

AFOSR TN 59-1037
HARVARD UNIV CAMBRIDGE, MASS
ON THE ASYMPTOTIC PROPERTIES OF FEJERIAN POLYNOMIALS WITH
PRESCRIBED CONSTANT TERM
BY WALSH, J. L. DDC NR, 228077
AHLFORS, L. V.<P.I.> CONTRACT NR, AF 18(600)-1461
PROJ/TASK NR, 9783-37727

AFOSR TN 59-1039
INST FOR ADVANCED STUDY, PRINCETON, N J
DIFFERENCE METHODS FOR PARABOLIC PARTIAL DIFFERENTIAL
EQUATIONS SEP 1959
BY LEES, M. DDC NR, 229060
MORSE M<PI> CONTRACT NR, AF 49(638)-251
BEURLING A<PI> PROJ/TASK NR, 9783-37727

AFOSR TN 59-1040
MARYLAND UNIV COLLEGE PARK
NEW INEQUALITIES FOR MEMBRANE AND PLATE EIGENVALUES SEP 1959
BY PAYNE L F DDC NR, 226856
WEINSTEIN A CONTRACT NR, AF 49(638)-228
PROJ/TASK NR, 9783-37727

AFOSR TN 59-1041
MICHIGAN UNIV OF ANN ARBOR
RADIAL CLUSTER SETS AND THE DISTRIBUTION OF VALUES OF
MEROMORPHIC FUNCTIONS OCT 1959
BY WOLF, M. A. DDC NR, 229690
WILDER R L<PI> CONTRACT NR, AF 49(638)-106
PROJ/TASK NR, 9783-37727

AFOSR TN 59-1042
PURDUE UNIV LAFAYETTE IND
THE HEAT OF FORMATION OF THE HYPOCHLORITE ION
J PHYS CHEM 64 1365-1366 OCT 1960
BY MC DONALD J E DDC NR,
KING J P CONTRACT NR, AF 18(600)-1929
COBBLE J W PROJ/TASK NR, 9760-37600

AFOSR TN 59-1043
CORNELL UNIV ITHACA N Y
MASS SPECTROMETRIC STUDY OF HIGH TEMPERATURE REACTIONS OF
H2O(G) AND HCL(G) WITH NAIL AND LIIL
J PHYS CHEM 64 697-661 APR 1960
BY PORTER R F DDC NR,
CONTRACT NR, AF 18(603)-1
PROJ/TASK NR, 9783-37630

AFOSR TN 59-1044
CALIFORNIA, UNIV OF LOS ANGELES
THE ASTRONOMICAL UNIT AND THE SOLAR PARALLAX SEP 1959
BY HERRICK, S DDC NR, 230711
WESTROM, A CONTRACT NR, AF 49(638)-698
MAKEMSON M W PROJ/TASK NR, 9783-37726

AFOSR TN 59-1045
CALIFORNIA UNIV OF LOS ANGELES
FUNDAMENTALS OF ASTRODYNAMICS JUNE 1959
BY BAKER, JR, R. M. L. DDC NR, 234696
MAKEMSON M, W. CONTRACT NR, AF 49(638)-698
HERRICK S <P.I.> PROJ/TASK NR, 9783-37726

AFOSR TN 59-1046
CORNELL AERONAUTICAL LABORATORY, INC, BUFFALO, NY
THIN-FILM THERMOMETERMEASUREMENTS IN PARTIALLY IONIZED SHOCK
TUBE FLOWS NOV 1959
PHYS FLUID 2 719-721 NOV-DEC 1959
BY MARRONE P. V. DDC NR, 229133
BARTURIAN R. A. CONTRACT NR, AF 18(603)-141
MOORE P E <P.I.> PROJ/TASK NR, 9781-37725

AFOSR TN 59-1047
FRANKLIN INST PHILADELPHIA PA
DISLOCATIONS IN DEFORMED SINGLE CRYSTALS OF ALPHA BRASS
PART I GENERAL OBSERVATIONS
TRANS METAL SOC AIME 218 737-749 AUG 1960
BY AFAKIN J D DDC NR, 229609
WILSDORF H G F CONTRACT NR, AF 49(638)-182
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1048
CALIFORNIA UNIV OF LOS ANGELES
STRESS FIELD OF A UNIFORMLY PLASTICALLY DEFORMED CRYSTAL
IN A AGGREGATE OCT 1959
BY LIN T H DDC NR, 233076
UCHIYAMA S CONTRACT NR, AF 49(638)-20
PROJ/TASK NR, 9763-37631

AFOSR TN 59-1049
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FIRST EXAMPLE OF AN AUTOMATIC PRINTOUT FROM THE GROTH
INSTITUTE ABSTRACT IBM CARDS FEB 1958
BY PEPINSKY R 228887
VAND V CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1050
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
AN EXAMPLE OF AN AUTOMATIC TABULATION OF THE GROTH
INSTITUTE ABSTRACT IBM CARDS IN VARIOUS CATEGORIES
APR 1958
BY PEPINSKY R 228888
VAND V CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1051
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
EXAMPLE OF AN ABSTRACT,0 A PORTION OF THE BARKER INDEX
APR 1958
BY PEPINSKY R 228889
VAND V CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1052
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
LIST OF ABBREVIATIONS USED IN ABSTRACTING THE BARKER INDEX
OF CRYSTALS MAY 1958
BY PEPINSKY R DDC NR,
VAND V CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1053
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SUGGESTED AGREEMENT FORM FOR CORRESPONDING MEMBERS OF THE
GROTH INSTITUTE MAY 1958
BY PEPINSKY R 228890
VAND V CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1054
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SUMMARY OF NEEDS FOR IBM COMPUTING EQUIPMENT FOR THE GROTH
INSTITUTE AND THE X-RAY AND CRYSTAL STRUCTURE
LABORATORY MAY 1958
BY PEPINSKY R 228891
VAND V CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1055
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
RESEARCH ON MODERN CRYSTALLOGRAPHY AT THE GROTH INSTITUTE
JAN 1959
BY VAND V DDC NR, 228886
PEPINSKY R CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1056
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
USE OF A SIMPLE INFORMATION RETRIEVAL SYSTEM IN THE GROTH
INSTITUTE FEB 1959
BY VAND V DDC NR, 228892
PEPINSKY R CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1057
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE LITERATURE IMAGE<REPORT NO, 5L> OF ORTHORHOMBIC
CRYSTALS INDEX NUMBERS 1000-1499 IN THE BARKER INDEX OF
CRYSTALS, VOLUM U, PART II - AUG 1959
BY VAND V DDC NR, 228895
PEPINSKY CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1058
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
OPERATIONAL NOTES FOR IBM CARDATYPE OPERATORS MAY 1959
BY VAND V DDC NR,
PEPINSKY CONTRACT NR, AF 49(638)-416
PROJ/TASK NR, 9760-37601

AFOSR TN 59-1059
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE LITERATURE IMAGE<REPORT NO. 6L> OF ORTHORHOMBIC CRYSTALS INDEX NUMBERS 1900-1999 IN THE BARKER INDEX OF CRYSTALS, VOLUME I, PART II - AUG 1959
BY VAND V — DDC NR. 228896
PEPINSKY R — CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-97601

AFOSR TN 59-1060
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE LITERATURE IMAGE<REPORT NO. 7L> OF ORTHORHOMBIC CRYSTALS INDEX NUMBERS 2000-2196 IN THE BARKER INDEX OF CRYSTALS, VOLUME I, PART II - AUG 1959
BY VAND V — DDC NR. 228897
PEPINSKY R — CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-97601

AFOSR TN 59-1061
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROPERTY SORT<REPORT NO. 2S> OF HEXAGONAL CRYSTALS INDEX NUMBERS 1-696 IN THE BARKER INDEX OF CRYSTALS, VOLUME I, PART II AUG 1959
BY VAND V — DDC NR. 228898
PEPINSKY R — CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9 60-97601

AFOSR TN 59-1062
WASHINGTON UNIV ST LOUIS MO
THEORY OF MUON CAPTURE
REV MOD PHYS 31 802-822 JUL 1959
BY PRIMAKOFF H — DDC NR. 229973
CORDON, R. U.<P.I.> — CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9791-97512

AFOSR TN 59-1063
CALIFORNIA INST OF TECHNOLOGY PASADENA
ON A REVISED TABLE OF THE ABUNDANCES OF THE ELEMENTS BY A G CAMERON
ASTROPHYS J 131 919-920 MAR 1960
BY BURBIDGE, G. R. — DDC NR. 249962
GREENSTEIN J L<PI> — CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9774-97669

AFOSR TN 59-1064
CALIFORNIA INST OF TECHNOLOGY PASADENA
ABUNDANCES IN SOME POPULATION II K GIANTS
ASTROPHY J 126 700-719 1959
BY HELFER, H. L. — DDC NR. 228274
WALLERSTEIN, G. — CONTRACT NR. AF 49(638)-21
GREENSTEIN, J. L. — PROJ/TASK NR. 9774-97669

AFOSR TN 59-1065
BRANDEIS UNIV WALTHAM MASS
COLLECTIVE ROTATIONS OF NUCLEI
NUC PHYS 14 589-597 1960
BY GROSS, E. P. — DDC NR.
CONTRACT NR. AF 49(638)-27
PROJ/TASK NR. 9791-97511

AFOSR TN 59-1066
CALIFORNIA INST OF TECHNOLOGY
THE PERSISTENCE OF SPIRAL STRUCTURE
ASTROPHYS J 131 261-266 JAN 1960
BY PREDERGAST, K. H. — DDC NR. 240635
BURBIDGE, G. R. — CONTRACT NR. AF 49(638)-21
GREENSTEIN J L<PI> — PROJ/TASK NR. 9774-97669

AFOSR TN 59-1067
MINNESOTA UNIV OF MINNEAPOLIS
CHANGE OF TIME SCALE FOR NARROW PROCESSES SEP 1959
TRANS AMER ANTH SOC 89 586-597 JUN 1961
BY OREY, S. — DDC NR. 229236
CONTRACT NR. AF 49(638)-617
PROJ/TASK NR. 9752-97522

AFOSR TN 59-1068
NEW MEXICO UNIV OF ALBUQUERQUE
SIZE SPECTRUM OF EXTENSIVE AIR SHOWERS OR THE COSMIC RADIAT
1UOCT 1959
BY GREEN, J. R. — DDC NR. 227953
BARCUS, J. R. — CONTRACT NR. AF 49(638)-36
PROJ/TASK NR. 9774-97669

AFOSR TN 59-1069
NEW YORK UNIV NY
EXPLORATORY STUDIES IN THREE DIMENSIONAL PHOTO
IUTHERMOELASTICITY SEP 1959
BY TRAMPOSCH, H. — DDC NR. 229977
GERARD, G. — CONTRACT NR. AF 49(638)-587
PROJ/TASK NR. 9782-97717

AFOSR TN 59-1070
ILLINOIS UNIV URBANA
HUMAN TRA ..ING BEHAVIOR
PSYCHOL BULL 58 59-79 JAN 1961
BY ADAMS JA — DDC NR. 256757
CONTRACT NR. AF 49(638)-371
PROJ/TASK NR. 9778-97707

AFOSR TN 59-1071
CALIFORNIA UNIV OF BERKELEY
SPECTRAL REPRESENTATIONS IN PERTURBATION THEORY. III. SCATTERING AMPLITUDE WITH TWO COMPLEX INVARIANTS
BY TARSKI, J. — DDC NR. 229981
KARPLUS R<PI> — CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9750-57500

AFOSR TN 59-1072
MARYLAND UNIV OF COLLEGE PARK
HYPERFRAGMENT FORMATION FROM THE K DEUTERON INTERACTION IN FLIGHT NOV 1959
BY DAY T. B. — DDC NR. 228578
SNOW, G. A. — CONTRACT NR. AF 49 (638)624
SUCHER, J. — PROJ/TASK NR. 9791-97512
TOLL J S<PI>

AFOSR TN 59-1073
CHICAGO UNIV OF ILL
QUANTUM MECHANICAL COMPUTATIONS OF MOLECULAR PROPERTIES
TECHNICAL REPORT 1957-58 PART ONE
BY MULLIKEN R S — DDC NR.
PLATT J R — CONTRACT NR. AF 18(600)-671
ROOTHAAN C J — PROJ/TASK NR. 9761-17610

AFOSR TN 59-1074
IST ELECTROTECNICO NAZIONALE TORINO ITALY
A SENSITIVE CIRCUIT FOR THE DETECTION OF SMALL EFFECTS OF RESISTANCE MODULATION
REV SCI INST 29 700-709 SEP 1958
BY BORFIGLIOLI G — DDC NR. 230375
MALVANO R — CONTRACT NR. AF 61(514)-1333
PROJ/TASK NR. 9760-97601

AFOSR TN 59-1075
NEW YORK UNIV N Y
TRANSIENT RESPONSE AS A DESIGN CRITERION FOR STABILIZATION OF FEEDBACK AMPLIFIERS SEP 1959
BY MULLIGAN JR J H — DDC NR. 229681
CHANG S S L — CONTRACT NR. AF 49(638 -586
RAGAZZINI J R — PROJ/TASK NR. 9768-97650

AFOSR TN 59-1076
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
NUMERICAL CALCULATION OF ABSOLUTE BREMSSTRAHLUNG INTENSITY FOR A FULLY IONIZED FULLY DISSOCIATED HYDROGENIC GAS SEP 59
J APPL PHYS 31 929-929 MAR 1960
BY JAHN, R. G. — DDC NR. 228760
KORITZ, H. — CONTRACT NR. AF 49(638)-61
PATRICE R W<PI> — PROJ/TASK NR. 9791-97510

AFOSR TN 59-1077
OHIO STATE UNIV COLUMBUS
REARRANGEMENT OF 6-METHY 1-6-TRICHLOROMETHY 1-2, 5-CYCLOHEXADIEROLS
JACS 81 6496-6496 1959
BY STOUT L L — DDC NR.
NEWMAN M S — CONTRACT NR. AF 49(638)-277
PROJ/TASK NR. 9762-17620

AFOSR TN 59-1078
OHIO STATE UNIV COLUMBUS
REACTIONS OF 2, 5-CYCLOHEXADIENONES CONTAINING THE TRICHLOROMETHYL GROUPS
JACS 81 6490-6496 1959
BY STOUT L L — DDC NR.
NEWMAN, M S<P.I .> — CONTRACT NR. AF 49(638)-277
PROJ/TASK NR. 9762-17620

AFOSR TN 59-1079
CALIFORNIA INST. OF TECHNOLOGY PASADENA
A REPLY TO C. P. BURBIDGE
ASTROPHYS J 131 920-922 1960
BY CAMERON, A. C. W. — DDC NR. 249962
GREENSTEIN J L<PI> — CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9774-97669

AFOSR TN 59-1080
NORTH CAROLINA UNIV OF CHAPEL HILL
COVARIANT COMMUTATORS FOR THE QUANTIZED GRAVITATIONAL FIELD OCT 1959
BY DEWITT, B. S. — DDC NR. 228875
CONTRACT NR. AF 49(638)-569
PROJ/TASK NR. 9774-97669

AFOSR TN 59-1081
MILAN UNIV OF ITALY
RHENIUM COORDINATION COMPOUNDS OCT 1959
RHENIUM COORDINATION COMPOUNDS NOT GIVEN
BY MALAIESTA L — DDC NR. 232079
FRENI M — CONTRACT NR. AF 61(052)-41
VALENTI V — PROJ/TASK NR. 9762-17620

AFOSR TN 59-1082
POLYTECHNIC INST OF BROOKLYN NY
SIMPLIFIED VIBRATION ANALYSIS OF ELASTIC SANDWICH PLATES AUG 1959
J AEROSP SCI 27 896-900 DEC 1960
BY YU, Y. Y< — DDC NR. 256221
CONTRACT NR. AF 49(638)-653
PROJ/TASK NR. 9782-17717

AFOSR TN 59-1083
PRINCETON UNIV N J
SELF-DIFFUSION IN ALPHA IRON
A.I.M.E. TRANS METAL SOC 218 980-986 DEC 1960
BY BIRCHENALL C F — DDC NR. 227069
BORG R J — CONTRACT NR. AF 49(638)-511
PROJ/TASK NR. 9760-97601

AFOSR TN 59-1084
CORNELL AERONAUTICAL LABORATORY, INC.
PRELIMINARY RESEARCH ON A MOLECULAR V
PRELIMINARY RESEARCH ON A MOLECULAR BEAM FOR THE 1-10 E.V. RANGE DEC 1959
BY SKINNER, G. T. — DDC NR. 230369
TREANOR C. E. — CONTRACT NR. AF 18(603)-141
MOORE P R <P.I.> — PROJ/TASK NR. 9783-97725

AFOSR TN 59-1085
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO N Y
HEAT TRANSFER FROM DISSOCIATED GASES IN A SHOCK TUBE NOV 1959
BY HARTUNIAN, R. A. — DDC NR. 256379
MARRONE P. V. — CONTRACT NR. AF 18(603)-141
MOORE P R <P.I.> — PROJ/TASK NR. 9783-97725

AFOSR TN 59-1086
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO, N Y
A GRAPHICAL SOLUTION OF SHOCK EQUATIONS. NOV 1959
BY TREANOR C. E. — DDC NR. 230216
MOORE P R <P.I.> — CONTRACT NR. AF 18(603)-141
PROJ/TASK NR. 9783-97725

AFOSR TN 59-1089
CORNELL AERONA AL ABORATORY INC. BUFFALO N Y
SPECTROSCOPI[illegible] QUE FOR TEMPERATURE-DENSITY MEASUREMENTS
OXYGEN-BEARING FL DEC 1959
BY WURSTER, W. H. DDC NR. 239050
TREANOR C. E. CONTRACT NR. AF 18(603)-141
MOORE P R <P.I.> PROJ/TASK NR. 9783-37725

AFOSR TN 59-1090
CORNELL AERONAUTICAL LABORATORY, INC. BUFFALO, N Y
STUDIES OF CHEMICAL NONEQUILIBRIUM IN HYPERSONIC NOZZLE FLOW
NOV 1959
BY HALL, J. G. DDC NR. 229131
RUSSO A. L. CONTRACT NR. AF 18(603)-141
MOORE P R <P.I.> PROJ/TASK NR. 9783-37725

AFOSR TN 59-1091
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SOME APPROXIMATIONS TO THE SOLUTION TO THE BINARY BOUNDARY-
LAYER PROBLEM SEPTEMBER 1959
BY COVERT E. E. DDC NR. 235990
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1092
LOCKHEED MISSILE & SPACE DIV SUNNYVALE CALIF
LOW-PRESSURE DEFLAGRATION LIMITS IN THE STEADY DEFLAGRATION
OF AMMONIUM PERCHLORATE PELLETS SEP 1959
BY NACHBAR, W. DDC NR. 234700
CONTRACT NR. AF 49(638)-412
PROJ/TASK NR. 9751-37510

AFOSR TN 59-1093
PRINCETON UNIV, N.J.
METAL COMBUSTION PROCESSES AUG 1959
BY GLASSMAN, I. DDC NR. 228566
CONTRACT NR. AF 18(600)-1527
PROJ/TASK NR. 9750-37501

AFOSR TN 59-1094
LOCKHEED MISSILE & SPACE DIV SUNNYVALE, CALIF
RADIANT ENERGY EMISSION FROM THE EQUILIBRATED REACTION
PRODUCTS OF PURE AMMONIUM PERCHLORATE PELLET SEP 1959
8TH INTER SYMPON CONIB
BY OLFE, D. DDC NR. 235161
PENNER, S. S. CONTRACT NR. AF 49(638)-412
NACHBAR, W. <P.I.> PROJ/TASK NR. 9751-37510

AFOSR TN 59-1095
COLUMBIA UNIV NY
OPTIMUM MULTIRATE CONTROLLER FOR A SAMPLED FEEDBACK SYSTEM
OCT 1959
BY KRANC, G. M. DDC NR. 229686
CONTRACT NR. AF 18(600)-667
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1096
ILLINOIS UNIV OF URBANA
TWO THEOREMS IN MULTI-WEIGHTED SUMS, AND MEIR
APPLICATION IN THE STABILITY ANALYSIS OF ACTIVE LINEAR
SYSTEMS NOV 1959
BY MYERS, B. R. DDC NR. 231383
VAN VALKENBURG M E<P CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1099
STANFORD UNIV CALIF
TRAVELING-WAVE AMPLIFICATION IN THE IONOSPHERE SEP 1959
BY BELL, T. F. DDC NR. 229793
HELLIWELL, R. A. CONTRACT NR. AF 18(603)-126
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1100
NEW YORK UNIV N Y
ON THE WINER PREDICTION PROBLEM AND THE PROBLEM OF THE
OPTIMIZED, NOISEFREE AUTOMATIC CONTROLLER OCT 1959
BY ASLUND N DDC NR. 229483
CLANGE S S L CONTRACT NR. AF 49(638)-586
RAGAZZINE J R PROJ/TASK NR. 9768-37650

AFOSR TN 59-1101
CALIFORNIA INST OF TECHNOLOGY PASADENA
RADIATION PATTERNS OF THE NOISE EMISSION FROM A GASEOUS
DISCHARGE OCT 1959
BY GEORGE, N. DDC NR. 229974
PAPAS C H<PI> CONTRACT NR. AF 18(600)-1113
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1102
CALIFORNIA INST OF TECHNOLOGY PASADENA
A NOTE ON CURRENTS ON A QUADRATIC SURFACE SEP 1959
BY WEILL, G. G. DDC NR. 229970
PAPAS C H<PI> CONTRACT NR. AF 18(600)-1113
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1103
POLYTECHNIC INST OF BROOKLYN NY
REFLEX MULTIPACTOR EFFECT SEP 1959
BY EPSZTEIN, B. DDC NR. 228708
WEBER E<PI> CONTRACT NR. AF 18(600)-1505
MARCUBITZ N PROJ/TASK NR. 4751
TRUXAL J G

AFOSR TN 59-1104
MARYLAND UNIV OF COLLEGE PARK
DISPERSION RELATIONS AND VIBRATIONAL FREQUENCY SPECTRA
OCT 1959
BY MARADUDIN, A. A. DDC NR. 228739
WEISS, G. H. CONTRACT NR. AF 18(600)-1315
MONTROLL, E W<P,I.> PROJ/TASK NR. 9751-37511

AFOSR TN 59-1105
CHICAGO UNIV OF, ILL
THE REPRESENTATION OF MONADIC BOOLEAN ALGEBRAS
DUKE MATH J 26 447-454 1959
BY HALMOS P. R. DDC NR. 230221
CONTRACT NR. AF 49(638)-30
PROJ/TASK NR. 9752-37522

AFOSR TN 59-1106
JOHNS HOPKINS UNIV, BALTIMORE, MD
A LEMMA IN THE THEORY OF STRUCTURAL STABILITY OF DIFFERENT
EQUATIONS OCTOBER 1959
BY HARTMAN, P. DDC NR. 230927
PROJ/TASK NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1107
JOHNS HOPKINS UNIV BALTIMORE, MD
ON LOCAL HOMEMORPHISMS OF EUCLIDEAN SPACES OCTOBER 1959
BY HARTMAN, P. DDC NR. 230963
CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1108
WAYNE STATE UNIV, DETROIT MICH
HOMOTOPY AND ISOTOPY PROPERTIES OF TOPOLOGICAL SPACES
NOV 1959
CAN J MATH 13 167-176 1961
BY HU, S. T. DDC NR. 231386
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1109
INST FOR ADVANCED STUDY, PRINCETON, N. J.
INTEGRATION OF THE COURSAT PROBLEM BY DIFFERENCE METHODS
OCT 1959
BY LEES, M. DDC NR. 229917
BEURLING, A. <P.I.> CONTRACT NR. AF 49(638)-253
MORSE, M. <P.I.> PROJ/TASK NR. 9783-37727

AFOSR TN 59-1110
INST FOR ADVANCED STUDY, PRINCETON, N. J.
UNIQUE CONTINUATION FOR PARABOLIC DIFFERENTIAL EQUATIONS AN
INEQUALITIES OCT 1959
DUKE MATH JOR 28 369-382 SEP 1961
BY LEES, M. DDC NR. 229957
PROTTER, M. H. CONTRACT NR. AF 49(638)-253
MORSE, M. <P.I.> PROJ/TASK NR. 9783-37727
BEURLING, A. <P.I.>

AFOSR TN 59-1111
STANFORD UNIV, CALIF
THE ISOMETRIES OF H1 NOV 1959
BY DELEEUW, K. DDC NR. 231321
CONTRACT NR. AF 49(638)-294
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1112
CALIFORNIA UNIV OF BERKELEY, CALIF
UNIQUENESS OF RADIATIVE SOLUTIONS TO THE SHROEDINGER WAVE
EQUATION
ARCH RAT MECH & ANAL 5 226-237 1960
BY ZEMACH, C. DDC NR. 243991
ODEH, F. CONTRACT NR. AF 49(638)-327
KORPLUS, R.<P.I.> PROJ/TASK NR. 9750-37500

AFOSR TN 59-1113
NORTH CAROLINA UNIV OF CHAPEL HILL
ASDORPTION IN POLAROGRAPHY OCT 1959
BY REILLEY C N DDC NR. 228463
STUMM, W. <P.I.> CONTRACT NR. AF 49(638)-333
PROJ/TASK NR. 9763-37630

AFOSR TN 59-1114
HARVARD UNIV CAMBRIDGE, MASS
COMPLETE IDEALS IN REGULAR LOCAL RINGS OF DIMES
OF DIMENSION 2 DEC 1959
BY ZARISKI, O. DDC NR. 230077
CONTRACT NR. AF 49(638)-494
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1115
PURDUE UNIV LAFAYETTE, IND
NORMAL OPERATORS ON THE BANACH SPACE LP <-00,00> PART I
FOUNDATIONS NOV 1959
BY KRABBE, G. L. DDC NR. 232459
CONTRACT NR. AF 49(638)-505
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1116
PURDUE UNIV, LAFAYETTE, IND
NORMAL OPERATORS ON THE BANACH SPACE LP<-00,00> PART II
UNBOUNDED TRANSFORMATIONS
BUL AMER MATH SOC 66 86-90 MR 1960
BY KRABBE, G. L. DDC NR. 232460
CONTRACT NR. AF 49(638)-505
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1117
YALE UNIV NEW HAVEN, CONN
COMPOSITION ALGEBRAS AND THEIR AUTOMORPHISMS
BY JACOBSON, N. DDC NR. 230513
CONTRACT NR. AF 49(638)-110
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1118
YALE UNIV, NEW HAVEN, CONN
SOME GROUPS OF TRANSFORMATIONS DEFINED BY JORDAN ALGEBRAS
J FUR DIE REINE UND ANGEWANDTE MATH 201 178-195 1959
BY JACOBSON, N. DDC NR. 230514
CONTRACT NR. AF 49(638)-110
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1119
PENNSYLVANIA UNIV OF, PHILADELPHIA
UNIVERSAL MINIMAL SETS 1959
BY ELLIS, R. DDC NR. 234511
CONTRACT NR. AF 49(638)-569
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1120
FLORIDA STATE UNIV, TALLAHASSEE
OPENNESS OF THE DERIVATIVE OF A COMPLEX FUNCTION SEP 1959
PROC AMER MATH SOC 11 671-675 OCT 1960
BY PLUNKETT R. L. DDC NR. 231818
CONTRACT NR. AF 49(638)-598
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1121
RICE INST HOUSTON, TEX
A NUMERICAL METHOD FOR THE SOLUTION OF A PARABOLIC SYSTEM
FEB 60
NUMERISCHE MATH 2 91-98 1960
BY DOUGLAS, JR, J. DDC NR. 232551
JOHNSON, G.<P.I.> CONTRACT NR. AF 49(638)-632
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1122
MICHIGAN UNIV OF ANN ARBOR
RESTRICTED CLUSTER SETS JAN 1960
BY ERDOS, P. DDC NR. 231397
PIRANIAN, G. CONTRACT NR. AF 49(638)-633
PROJ/TASK NR. 9752-37522

AFOSR TN 59-1123
INST FOR ADVANCED STUDY, PRINCETON, N.J.
ANOTHER CUTPOINT THEOREM FOR PLANE CONTINUA OCT 1959
BY JONES, F. B. DDC NR. 229960
MORSE, M.<P.I.> CONTRACT NR. AF 18(600)-1109
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1124
CHICAGO UNIV OF, ILL
REVIEW OF SOME RESULTS IN COLLINEATION GROUPS (OCT 1959)
BY HUGHES D. R. DDC NR. 230410
MACLANE S <P.I.> CONTRACT NR. AF 18(600)-1383
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1125
HEBREW UNIV JERUSALEM ISRAEL
TABLES OF EIGENVALUES AND MATRIXELEMENTS OF TRANSITION
PROBABILITIES FOR AN AXIAL SPIN HAMILTONIAN WITH S=3/2
JUL 1959
NUOVO CIM SER X UK SUPPL 290-334 1960
BY STAHL-BRADA R DDC NR. 232062
LOW W CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR TN 59-1126
IST ELECTTROTECNICO NAZIONALE TORINO ITALY
FURTHER INVESTIGATIONS ON THERMOLUMINESCENCE AND F
CENTERS NOV 1959
BY BONFIGLIOLI G DDC NR. 232065
BROVETTO P CONTRACT NR. AF 61(514)-1333
CORTESE C PROJ/TASK NR. 9760-37601

AFOSR TN 59-1127
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
SOME FURTHER RESULTS ON HEATING A SUPERSONIC GAS STREAM
WITH A RADIO FREQUENCY DISCHARGE NOV 1959
BY SMETANA, F. O. DDC NR. 229491
CHUAN, R. L.<P.I.> CONTRACT NR. AF 18(603)-95
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1128
MINNESOTA UNIV OF MINNEAPOLIS
NATURAL AND INDUCED SPECTRA OF SOME FERRIES NOV 1959
BY MORRISH A H DDC NR. 229620
BONSTROM D B CONTRACT NR. AF 18(603)-113
HANTON J P PROJ/TASK NR. 9760-37601
BROWN W F

AFOSR TN 59-1129
INST FOR ADVANCED STUDY, PRINCETON, N.J.
ON POLYHEDRA IN E3 HAVING ALL FACES CONGRUENT OCT 1959
BY GRUNBAUM, B. DDC NR. 229958
MORSE, M. <P.I.> CONTRACT NR. AF 49(638)-253
BEURLING, A. <P.I.> PROJ/TASK NR. 9783-37727

AFOSR TN 59-1130
PITTSBURGH UNIV OF PA
SIDE-BAND SUPPRESSION FOR SELF-QUENCHED
SUPERREGENERATIVE SPECTROMETERS
REV SCI INSTR 31 72-75 JAN 1960
BY REHN V DDC NR.
DEAN C CONTRACT NR. AF 49(638)-323
KEPFER F PROJ/TASK NR. 9760-37601
ANDERSON J

AFOSR TN 59-1131
PITTSBURGH UNIV OF
SIMPLE AMPLITUDE-STABILIZED OSCILLATOR
REV SCI INSTR 31 213-214 FEB 1960
BY DEAR C DDC NR.
KEPFER F CONTRACT NR. AF 49(638)-323
ANDERSON J PROJ/TASK NR. 9760-37601

AFOSR TN 59-1132
CALIFORNIA UNIV OF LOS ANGELES
TECHNIQUES FOR THE OPTIMUM SYNTHESIS OF MULTIPOLE
CONTROL SYSTEMS WITH RANDOM PROCESSES AS INPUTS SEP 1959
BY HSICH H C DDC NR. 230196
LEONDES C T CONTRACT NR. AF 49(638)-438
ESTRIN E PROJ/TASK NR. 9783-37726

AFOSR TN 59-1133
JOHNS HOPKINS UNIV BALTIMORE, MD.
A THEORY OF NEARLY LINEAR CIRCUITS OCT 1959
BY CLAUSER F. H. DDC NR. 229276
CONTRACT NR. AF 49(638)-496
CONTRACT NR. 9781-37712

AFOSR TN 59-1134
MISSOURI UNIV OF COLUMBIA
BEST FIT TO A RANDOM VARIABLE BY A RANDOM VARIABLE
MEASURABLE WITH RESPECT RESPECT TO A D LATTICE OCT 1959
PACIFIC J MATH 11 785-802 1961
BY BRUNK, H. D. DDC NR.
UTZ, W. R. <P.I.> CONTRACT NR. AF 18(600)-1108
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1135
INST MAREY FRANCE
POSSIBILITY OF A TRANSFER OF POST-TETANIC
J DE PHYS 31 465-466 JUN 1959
BY ALBE-FESSARD D DDC NR.
SZABO T CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-37700

AFOSR TN 59-1136
IST NAZIONALE DI OTTICA ITALY
BLUE-GREEN RESPONSES AT MESOPIC LUMINANCES
ATTI DELLA FONDAZIONE G. RONCHI, XIV 384-391 JUL-AUG 1959
BY RONCHI L DDC NR. 232081
TOSCANO DI FRANCIA G CONTRACT NR. AF 61(052)-80
PROJ/TASK NR. 9777-37701

AFOSR TN 59-1137
OXFORD UNIV ENGLAND
PT 1 BIOSYNTHESIS OF CELL CONSTITUENTS FROM C-COMPOUNDS
PT 2 FORMATION OF GLYCERATE FROM OXALATE BY PSENDOMONAS
OXALATICUS<20X1> GROWN IN OXALATE
NATURE PT1 183 1791-1795 JUN 1959
PT2 183 1799-1802 JUN 1959
BY QUAYLE J R DDC NR. 232067
KEECH D B CONTRACT NR. AF 61(052)-180
KREBS H A PROJ/TASK NR. 9777-37704

AFOSR TN 59-1138
UPPSALA UNIV OF SWEDEN
BORIDES OF RHENIUM AND THE PLATINUM METALS. THE CRYSTAL
STRUCTURE OF RE7B3, REB3, RH7B3 RHB1U1, IRB 1.1 AND PTB DEC
1959
ACTA CHEM SCAND 14 733-741 1960
BY ARONSSON B DDC NR. 233273
STENBERG E CONTRACT NR. AF 61(052)-40
ASELIUS J PROJ/TASK NR. 9762-37621
HAGG G

AFOSR TN 59-1139
MELLON INST PITTSBURGH PA
INTERMOLECULAR COUPLING OF VIBRATIONS IN MOLECULAR CRYSTALS
OCT 1959
BY HEXTER, R M DDC NR. 228614
CONTRACT NR. AF 49(638)-542
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1140
WESTERN RESERVE UNIV, CLEVELAND, O
OCT, 1959, MINIMUM CRITERIA FOR A COORDINATED INFORMATION
SERVICE
BY KENT A DDC NR. 229882
GOFFMAN W <P.I.> CONTRACT NR. AF 49(638)-357
PROJ/TASK NR. 9769-3659

AFOSR TN 59-1141
WESTERN RESERVE UNIV CLEVELAND, O
MACHINE LITERATURE SEARCHING AND TRANSLATION--AN ANALYTICAL
REVIEW OCT 1959
ADV IN DOC AND LIB SCI V 3, PT 1, PP13-236
BY KENT A DDC NR.
GOFFMAN W <P.I.> CONTRACT NR. AF 49(638)-357
PROJ/TASK NR. 9769-37659

AFOSR TN 59-1142
RIAS INC BALTIMORE MD
THE BANG-BANG PRINCEIPLE NOV 1959
BY LASALLE, J P DDC NR. 231866
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1143
CALIFORNIA UNIV OF BERKELEY
SOME BIOLOGICAL PROPERTIES OF GASEOUS IONS OCT 1959
J ALBERT EINSTEIN MEDICAL CENTER 8 79-88 APR 1960

BY KRUEGER, A P DDC NR. 242526
CONTRACT NR. AF 49(638)-669
PROJ/TASK NR. 9777-37701

AFOSR TN 59-1144
INST DE INVESTIGACION DE CIENCIAS BIOLOGICAS, MONTEVIDEO
URUGUAY
BEHAVIOR AND EEG EFFECTS OF TONES REINFORCED BY CESSATION
OF PAINFUL STIMULI SEP 1959
BY SEGUNDO, J P DDC NR.
GALEANO, C CONTRACT NR. AF 49(638)-585
SOMMER-SMITH, J A PROJ/TASK NR. 9777-37700
ROIG, J A
ESTABLE C<P.I.>

AFOSR TN 59-1145
INST DE INVESTIGACION DE CIENCIAS BIOLOGICAS MONTEVIDEO,
URUGUAY
SOMATIC FUNCTINS OF THE NERVOUS SYSTEM JUL 1959
ANN REV PHYS 22 433-472 1960
BY SEGUNDO, J P DDC NR. 244780
CALEANO, C CONTRACT NR. AF 49(638)-585
ESTABLE, C <P.I.> PROJ/TASK NR. 9777-3700

AFOSR TN 59-1148
LOCKHEED MISSILE & SPACE DIV, SUNNYVALE, CALIF
ON THE ASSUMPTIONS UNDERLYING DROPLET VAPORIZATION AND
COMBUSTION THEORIES NOV 1959
J CHEM PHYS 33 133-144 JUL 60
BY WILLIAMS, F. A. DDC NR. 232688
NACHBAR, W.<P.I.> CONTRACT NR. AF 49(638)-412
PROJ/TASK NR. 9751-37510

AFOSR TN 59-1149
LOUVAIN, UNIV OF BELGIUM
KINETICAL PARAMETERS IN PREMIXED LAMINAR FLAMES FEB 1960
BY VAN TIGGELEN, A. DDC NR. 234580
CONTRACT NR. AF 61(514)-1245
PROJ/TASK NR. 9751-37510

AFOSR TN 59-1151
PLASMADYNE CORP SANTA ANA, CALIF
RELAXATION HEATING OF A PLASMA BY SURFACE INTERACTION WITH
A MAGNETIC FIELD OCT 1959
BY TREAT, R. P. DDC NR. 230031
WANIEK, R. W.<P.I.> CONTRACT NR. AF 49(638)-335
PROJ/TASK NR. 9760-37650

AFOSR TN 59-1152
CALIFORNIA UNIV OF BERKELEY, CALIF
FUNDAMENTALS OF THE POLAR METHOD IN GAS WAVES DYNAMICS
NOV 1959
BY [illegible] DDC NR. 239888
OPPENHEIM, A. K. CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9781-37810

AFOSR TN 59-1153
PURDUE UNIV LAFAYETTE IND
THE THERMAL DECOMPOSITION OF A PRASEODYMIUM NITRATE NOV 59
BY VRATNY, F DDC NR. 220959
MORIG, J M CONTRACT NR. AF 18(603)-69
CLIFFORD, A F<P,I,> PROJ/TASK NR. 9760-37601

AFOSR TN 59-1154
ILLINOIS UNIV OF URBANA
A METHOD FOR MEASURING G
A METHOD FOR MEASURING MAGNETIC FIELDS IN SUPERCONDUCTORS
NOV 1959
ZEIT FUR PHYS 158 26-34 1960
BY LEWIS, H R DDC NR. 220738
COCHRAN, J F CONTRACT NR. AF 18(603)-69
FRAUENFELDER, H PROJ/TASK NR. 9761-37611
HARDTNER, D F
PEACOCK, R N

AFOSR TN 59-1155
BIAS INC BALTIMORE MD
A THEORY OF SCHAEFER-S EXPANSION PATTERNS NOV 1959
J COLLOID SCI 16 127-138 1961
BY ARAMOW, R H DDC NR. 261731
WITTEN, L CONTRACT NR. AF 49(638)-739
PROJ/TASK NR. 9761-37610

AFOSR TN 59-1156
MODENA UNIV OF ITALY
THE ELECTROCHEMICAL BEHAVIOUR OF HYDROGEN AND OXYGEN
MIXTURES ON PLATINUM ELECTRODES
ELECTROCHIMICA ACTA 1 198-206 1959
BY BIANCHI, G DDC NR. 232056
NAZZA, F CONTRACT NR. AF 61(052)-[illegible]
PROJ/TASK NR. 9761-37610

AFOSR TN 59-1157
INST FOR ADVANCED STUDY, PRINCETON, N.J.
ON SOME PROPERTIES OF CONVEX SETS NOV 1959
BY GRUNBAUM, A. DDC NR. 229959
MORSE, M. <P,I,> CONTRACT NR. AF 49(638)-253
BEURLING, A. <P,I,> PROJ/TASK NR. 9783-37727

AFOSR TN 59-1158
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
BEST POSSIBLE TRIANGLE INEQUALITIES FOR STATISTICAL METRIC
SPACES 1960
PROC AMER MATH SOC 11 796-760 OCT 1960
BY THORP, E. O. DDC NR. 236730
MARTIN, W. T. <P,I. CONTRACT NR. AF 49(638)-62
PROJ/TASK NR. 9769-37650

AFOSR TN 59-1160
TECHNISCHE HOCHSCHULE, MUNICH GERM
LINEAR SUPERSONIC FLOW PAST A COMBINATION OF A CYLINDRICAL
BODY AND TRIANGULAR WINGS NOV 1959
BY PEISCHL, F. DDC NR. 239276
STETTER, H. J. CONTRACT NR. AF 61(514)-1080
SAUER, R.<P,I,> PROJ/TASK NR. 9781-37712

AFOSR TN 59-1161
CHICAGO UNIV OF, ILL
SUBJECTIVE PROBABILITY AND STATISTICAL PRACTICE OCT 1959
BY SAVAGE L. J. DDC NR. 230666
CONTRACT NR. AF 49(638)-991
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1162
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
DIFFUSION OF A FULLY IONIZED GAS CONFINED IN A STRONG
MAGNETIC FIELD DEC 1959
BY ROSA, T. DDC NR. 231067
CHUAN, R. L.<P,I,> CONTRACT NR. AF 18(603)-99
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1163
POLYTECHNIC INST OF BROOKLYN NY
A NEW THEORY OF SANDWICH PLATES - GENERAL CASE NOV 1959
BY YU, Y. Y. DDC NR. 236222
CONTRACT NR. AF 49(638)-693
PROJ/TASK NR. 9782-37712

AFOSR TN 59-1164
PURDUE UNIV OF LAFAYETTE IND
THE THERMOCHEMISTRY OF RHENIUM COMPOUNDS OCT 1959
BY KIRK, J P DDC NR. 220839
CONTRACT NR. AF 18(600)-1525
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1165
PRINCETON UNIV NJ
THE BOUNDARY LAYER IN A CORNER NOV 1959
BY SIN-I CHENG DDC NR. 232955
LEVY, R. H. CONTRACT NR. AF 49(638)-669
BOGDONOFF, S.<P,I,> PROJ/TASK NR. 9781-37712

AFOSR TN 59-1166
TORONTO UNIV OF CAN
THE SOUND GENERATED BY INTERACTION OF A SINGLE VORTEX WITH
A SHOCK WAVE JUN 1959
BY BIRNIR, H. S. DDC NR. 230719
CONTRACT NR. AF 49(638)-269
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1167
POLYTECHNIC INST OF BROOKLYN NY
AN EXPERIMENTAL INVESTIGATION AT M 5.09 ON HEAT TRANSFER
REDUCTION BY THE USE OF UPSTREAM PROBES<U> NOV 1959
CONFIDENTIAL REPORT
BY MARTELLUCCI, A. DDC NR. 313652
VISICH, JR, M. CONTRACT NR. AF 49(638)-669
PERRI, A. <P,I,> PROJ/TASK NR. 9781-37712

AFOSR TN 59-1168
CALIFORNIA INST OF TECHNOLOGY PASADENA
CURRENT ON AN INFINITELY LONG CYLINDRICAL ANTENNA
BY KUHN, H. M. DDC NR. 229796
PAPAS, C. H. <P,I,> CONTRACT NR. AF 18(600)-1179
PROJ/TASK NR. 9760-37650

AFOSR TN 59-1169
WASHINGTON UNIV OF SEATTLE
METALLIC REFLECTION FROM MOLECULAR CRYSTALS
REV MOD PHYS 32 466-476 APR 1960
BY ANEX, B G DDC NR. 267855
SIMPSON, W T CONTRACT NR. AF 18(600)-179
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1170
BROWN UNIV PROVIDENCE RI
THE DIELECTRIC RELAXATION OF POLAR LIQUIDS
J CHEM PHYS 33 1571-1579 NOV 1960
BY GLARUM, S H DDC NR.
COLE, R. C.<P,I,> CONTRACT NR. AF 49(638)-91
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1171
CALIFORNIA UNIV OF BERKELEY, CALIF
STATISTICAL STUDY OF ACCELERATING FLAMES-ANALYSIS OF
VARIANCE
PHYS FLUIDS 3 119-120 JAN-FEB 1960
BY STERN, R. A. DDC NR. 230889
LADERMAN, A. M. CONTRACT NR. AF 49(638)-166
OPPENHEIM, A. F. PROJ/TASK NR. 9791-37910

AFOSR TN 59-1172
VIRGINIA UNIV OF CHARLOTTESVILLE
PHOTONEUTRON CROSS SECTIONS OF LI, N AND A 9NOV 59
PHYS REV 118 499-500 APR 1960
BY FAST, R W DDC NR.
FLOURNOY, P A CONTRACT NR. AF 49(638)-176
TICKLE, R S PROJ/TASK NR. 9760-37600
WHITEHEAD, W D
AFRES, S.

AFOSR TN 59-1173
HARVARD UNIV CAMBRIDGE, MASS
ON FINITE GROUPS OF EVEN ORDER WHOSE 2-SYLOW GROUP IS A
QUATERNION GROUP 1959
PROC NAS 45 1797-1799 DEC 1959 PROCEEDINGS OF THE
NATIONAL ACAD. OF SCIENCES
BY BRAUER, R . DDC NR. 269161
SUZUKI, M . CONTRACT NR. AF 49(638)-207
PROJ/TASK NR. 9769-37650

AFOSR TN 59-1174
STANFORD UNIV CALIF
APPLICATIONS OF ALMOST PERIODIC COMPACTIFICATIONS DEC 1959
BY DEFLEUR, E. DDC NR. 231322
GLICKSBERG, I. CONTRACT NR. AF 49(638)-296
PROJ/TASK NR. 9769-37650

AFOSR TN 59-1175
COLUMBIA UNIV NY
A TRANSPORT EQUATION FOR THE SPECTRAL DENSITY OF A MULTIPLE
SCATTERED ELECTROMAGNETIC FIELD NOV 1959
J APPL PHYS 31 1176-1187 JUL 1960
BY RUGGOLO, D. S. DDC NR. 229905
CONTRACT NR. AF 49(638)-940
PROJ/TASK NR. 9760-37650

AFOSR TN 59-1177
BIAS INC BALTIMORE MD
A NOTE ON THE CONTINUITY OF CHARACTERISTIC EXPONENTS
PROC 46 247-250 FEB 1960 NAS
BY LILLO, J C DDC NR. 236448
LEFSCHETZ, S<P,I,> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1178
RENSSELAER POLYTECHNIC INST TROY NY
A GENERALIZATION OF THE PHASE RELATIONS IN A FORCED HARMONI
OSCILLATOR DEC 1959
J FRANKLIN INST 272 360-369 NOV 1961
BY FLEISHMAN, B A DDC NR. 232637
CONTRACT NR. AF 49(638)-916
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1179
PRINCETON UNIV, PRINCETON, N.J.
ALGEBRAS OF HOLOMORPHIC FUNCTIONS ON ONE-DIMENSIONAL
VARIETIES OCT 1959
BY ROSSI, H. DDC NR. 231970
CONTRACT NR. AF 49(638)-892
PROJ/TASK NR. 9783-37727

AFOSR TN 59-1180
AF OFFICE OF SCIENTIFIC RESEARCH
ATOMIC DIFFUSION IN IRON SULFIDE STUDIED AS PART OF A
PROGRAM OF RESEARCH ON THE HIGH TEMPERATURE CORROSION OF
METALS
6TH ARDC SCIENCE & ENGIN SYMP 1-2 OCT 1959
BY [illegible]DDIT, R H DDC NR.
CONTRACT NR.
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1181
CALIFORNIA UNIV OF
INTERNAL STRESSES IN MODEL CERAMIC SYSTEMS II A X-RAY STRAI
MEASUREMENT TECHNIQUES FOR CERAMIC BODIES BY L N GROSSMAN
R W FULRATH B EXTENDING THE RANGE OF APPLICATION TECHN QUES
BY R B LANGSTON R W FULRATH
BY GROSSMAN L N DDC NR. 229892
FULTRATH R W CONTRACT NR. AF 49(638)-[illegible]
LANGSTON R B PROJ/TASK NR. 9782-37672

AFOSR TN 59-1182
LITGP UNIV BRUSSELS
ASYMPTOTIC REPRESENTATION OF THE SPECTRAL FUNCTION OF
SELFADJOINT ELLIPTIC OPERATORS OF THE SECOND ORDER WITH
VARIABLE COEFFICIENTS.
BY BUREAU, F. J. DDC NR. 232050
CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-37650

AFOSR TN 59-1183
ALABAMA UNIV OF UNIVERSITY
A STUDY OF THE GALLIC ACID COMPLEXES OF NIOBIUM, TANTALUM, TITANIUM , AND IRON JUL 1960
BY GROVE, E L DDC NR,
MADDOX, L CONTRACT NR, AF 18<600>-1567
JEFFERY, W S PROJ/TASK NR, 9761-37690
KASSNER, J L<P,I,>

AFOSR TN 59-1184
STANFORD UNIV CALIF
GROWING SPINWAVES IN FERRITES IN UNSTABLE EQUILIBRIUM
J APPL PHYS 31 30253035 MAY 1960
BY SCHLAG-PETTERSEN, T, DDC NR,
CHODOROW, M, <P,I,> CONTRACT NR, AF 49<638>-413
PROJ/TASK NR, 9768-37690

AFOSR TN 59-1185
STANFORD UNIV CALIF
SATURATION EFFECTS IN FERRIMAGNETIC RESONANCE OCT 1959
J APPL PHYS 31 2255-2265 CONFERENCE ON MAGNETISM AND MAGNETIC MATERIALS SPONSORED BY THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS IN DETROIT, MICHIGAN 11/16-19/59
BY SEIDEL, P, E, DDC NR,
SHAW, M, J, CONTRACT NR, AF 49<638>-413
CHODOROW, M , <P,I, PROJ/TASK NR, 9768-37690

AFOSR TN 59-1186
STANFORD UNIV CALIF
OCT 1959 FERRIMAGNETIC RESONANCE IN POLYCRYSTALLINE YTTRIUM IRON GARNET
BY SEIDEL, P, E, DDC NR, 20976
CHODOROW, M<P,I ,> CONTRACT NR, AF 49<638>-413
PROJ/TASK NR, 9768-37690

AFOSR TN 59-1187
CALIFORNIA UNIV OF BERKELEY, CALIF
PECULIARITY OF SHOCK INTERACTMENT ON AREA CONVERGENCE JUL AUG 59
PHYS FLUIDS 2 627-631 JUL-AUG 1959
BY OPPENHEIM, A, K, DDC NR, 230900
URTIEW, P, A, CONTRACT NR, AF 49<638>-166
STERN, P, A, PROJ/TASK NR, 9791-37910

AFOSR TN 59-1188
ROCHESTER UNIV OF NY
CORRELATION THEORY OF STATIONARY ELECTROMAGNETIC FIELDS OCT 1959
BY BOMAN, P, DDC NR, 232919
WOLF, E, CONTRACT NR, AF 49<638>-602
HOPKINS, H <P ,I,> PROJ/TASK NR, 9768-37690

AFOSR TN 59-1189
LUND UNIV OF SWEDEN
A STUDY OF SUPERSENSITIVITY IN DENERVATED MAMMALIAN SKELETAL MUSCLE
J PHYSIOL 147 177-185 1959
BY THESLEFF, DDC NR, 236169
ARELSSON, CONTRACT NR, AF 61<052>-106

AFOSR TN 59-1190
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
COLLISION FREE MAGNETOHYDRODYNAMIC SHOCK WAVE AUG 59
PROC 6TH INTER CONF ON IONIZATION PHEN IN GASES AMSTERDAM AUG 1959 NORTH-HOLLAND PUBL CO, 1960 V.2 IV D 1044-1091
BY DANTOWITZ, A, DDC NR, 228106
PATRICK, R, M, CONTRACT NR, AF 49<638>-61
PETSCHEK, H, E, PROJ/TASK NR, 9761-37510

AFOSR TN 59-1191
MARYLAND UNIV OF COLLEGE PARK
THE ELECTRONIC GROUND STATE OF AN APPERIODIC ONE DIMENSIONAL DELTA-FUNCTION LATTICE NOV 1959
BY MARADUDIN, A, A, DDC NR, 229863
SOUBBARY, A, S, CONTRACT NR, AF 18<600>-1118
WORTHOLL, F WCP,I,> PROJ/TASK NR, 3791-37911

AFOSR TN 59-1192
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO, N Y
CHEMICAL NONEQUILIBRIUM EFFECTS ON HYDROGEN ROCKET IMPULSE AT LOW PRESSURES
ARSJ 30 188-190 FEB 60
BY HALL, J, G, DDC NR, 229114
FISCHER<ODER, A, G, CONTRACT NR, AF 18<603>-141
KLEIN J, PROJ/TASK NR, 9783-37714
WOOBF F F <P,I,>

AFOSR TN 59-1193
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO N Y
BOUNDARY-LAYER DISPLACEMENT AND LEADING-EDGE BLUNTNESS EFFECTS IN HIGH TEMPERATURE HYPERSONIC FLOW
J AEROSP SCI 28 373-382 1961
BY CHENG, H, K, DDC NR, 233867
HALL, J, G, CONTRACT NR, AF 18<603>-10
GOLIAN, T, C, PROJ/TASK NR, 9761-37713
HERTZBERG A,

AFOSR TN 59-1194
HUMAN RESOURCES RSCH INC ARLINGTON VA
THE TRANSLATION OF SMALL GROUP RESEARCH INFORMATION FOR COMPUTER ANALYSIS OCT 1959
BY ALTMAN I DDC NR, 230241
JENKINS J P CONTRACT NR, AF 49<638>-256
MCGRATH J E PROJ/TASK NR, 9770-37706

AFOSR TN 59-1195
CORNELL UNIV ITHACA NY
STUDIES ON THE NUCLEATION, GROWTH AND ORIDATION OF EVAPORAT COPPER FILMS WITH A HIGH VACUUM ELECTRON DIFFRACTION CAMERA
STRUCTURE AND PROPERTIES OF THIN FILMS NEUGEBAUER, REWIEW & VERMILYEA WILEY 1959 PP 97-107
BY SIEGEL, B M DDC NR,
PETERSON, C CONTRACT NR, AF 18<600>-676
BRADLEY, R F<P,I,> PROJ/TASK NR, 9761-37621

AFOSR TN 59-1196
ROCHESTER UNIV OF NY
THE PHOTOLYSIS OF AMMONIA <N15H3> IN THE PRESENCE OF NITRIC OXIDE NOV 19 1959
J PHYS CHEM 64 679-680 MAY 1960
BY HOYES JR, W A DDC NR,
CONTRACT NR, AF 18<600>-1520
PROJ/TASK NR, 9760-37600

AFOSR TN 59-1197
CALIFORNIA UNIV OF BERKELEY
THE INFRARED DETECTION OF THE FORMYL RADICAL HCO NOV 1959
J CHEM PHYS 32 927-932 MAR 1960
BY EWING, G E DDC NR, 228970
THOMPSON, W E CONTRACT NR, AF 49<638>-1
PIMENTEL, G C PROJ/TASK NR, 9763-37690

AFOSR TN 59-1198
RUTGERS UNIV NEW BRUNSWICK N J
ANALYSIS OF COMPOSITE X-RAY DIFFRACTION PROFILES
J APPL PHYS 31 699-706 APR 1960
BY SLADE, JR, J J DDC NR, 238640
NANNI, L CONTRACT NR, AF 49<638>-17
WEISSMAN, S<P,I,> PROJ/TASK NR, 9763-37611

AFOSR TN 59-1199
CALIFORNIA UNIV OF LOS ANGELES
ON THE PHILOSOPHY OF ADAPTIVE CONTROL FOR PROCESS ADAPTIVE SYSTEMS JAN 1960
BY MARGOLIS, M DDC NR, 233699
LEONDES, C T CONTRACT NR, AF 49<638>-610
ESTRIN, E<P,I,> PROJ/TASK NR, 9783-37726

AFOSR TN 59-1200
CALIFORNIA UNIV OF LOS ANGELES
ON THE THEORY OF ADAPTIVE CONTROL SYSTEMS, THE LEARNING MODEL APPROACH OCT 1959
FIRST CONGRESS, MOSCOW 27 JUN 7 JUL 60 P 556-569
BY MARGOLIS, M DDC NR, 233275
LEONDES, C T CONTRACT NR, AF 49<638>-610
ESTRIN, E<P,I,> PROJ/TASK NR, 9783-37726

AFOSR TN 59-1201
UTAH UNIV OF SALT LAKE CITY
INVESTIGATION OF THE APPARENT HYDRODYNAMIC CRATERING OF LEAD CRATERING, EXPERIMENT AND THEORY
PROC 6TH ANN SYMP HYPERVELOCITY IMPACT 1960 APGC TR 60-19 <I>
BY PALMER, E, P, DDC NR,
GROW R, B, CONTRACT NR, SF 49 <638>-462
JOHNSON, D, L, PROJ/TASK NR, 9761-37911
TURNER, G, M,

AFOSR TN 59-1202
UTAH UNIV OF SALT LAKE CITY
EXPERIMENTAL INVESTIGATION OF SPRAY PARTICLES PRODUCING THE IMPACT FLASH
PROC 6TH ANN SYMP HYPERVELOCITY IMPACT 1960 APG TR 60-19 <I>
BY CLARK, J, S, DDC NR,
CLARK, W, M, CONTRACT NR, AF 49<638>-462
GROW, R, W, PROJ/TASK NR, 9761-37911
KINSEY, B, B,
PALMER, E, P,
REED, R F

AFOSR TN 59-1203
PENNSYLVANIA UNIV OF PHILDDELPHIA
ENERGY LEVEL PARAMETERS FROM NUCLEAR RESONANCE FLUORESCENCE AT 7 MEV
PHYS REV 118 781-791 MAY 1960
BY REIBEL, K, DDC NR,
MANN, A, K, CONTRACT NR, AF 49<638>-517
PROJ/TASK NR, 9761-37912

AFOSR TN 59-1204
WISCONSIN UNIV OF MADISON
HYDROGEN BONDING STUDIES, IV, ACIDITY AND BASICITY OF TRIPHENYLHYDROXY COMPOUNDS OF GROUP IV B ELEMENTS AND THE QUESTION OF PI-BONDING FROM OXYGEN TO METALS DEC 1959
JOURNAL OF AMERICAN CHEMICAL SOCIETY JACS 82 6269-6272 DEC 1960
BY WEST, R DDC NR, 229577
BANEY, R H CONTRACT NR, AF 49<638>-285
PROJ/TASK NR, 9760-37600

AFOSR TN 59-1208
DUKE UNIV DURHAM, NC
ELECTRON SPIN RESONANCE OF AN IRRADIATED SINGLE CRYSTAL OF ALANINE SECOND-ORDER EFFECTS IN RADICAL RESONANCE NOV 59
J CHEM PHYS 32 295-297 JAN 1960
BY MIYAGAWA, I, DDC NR,
GORDY, W, CONTRACT NR, AF 18<600>-697
PROJ/TASK NR, 9768-37650

AFOSR TN 59-1209
DUKE UNIV DURHAM, NC
ELECTRON SPIN RESONANCE STUDIES OF MECHANISMS FOR CHEMICAL PROTECTION FROM IONIZING RADIATION NOV 1959
BY GORDY, W, DDC NR,
MIYAGAWA, I, CONTRACT NR, AF 18<600>-697
PROJ/TASK NR, 9768-37650

AFOSR TN 59-1210
WASHINGTON UNIV OF SEATTLE
THE SOLUBILITY ACTIVITY COEFFICIENT AND HEAT OF SOLUTION OF SOLID XENON IN LIQUID ARGON
J PHYS CHEM 64 484-488 APR 1960
BY HALSEY, JR, G D DDC NR, 242750
CONTRACT NR, AF 49<638>-723
PROJ/TASK NR, 9761-37610

AFOSR TN 59-1211
PENNSYLVANIA UNIV OF PHILADELPHIA
ANNUAL REPORT-STUDIES IN PHOTONUCLEAR REACTIONS OCT 1959
BY HALPERN, J, DDC NR, 228606
CONTRACT NR, AF 49<638>-694
PROJ/TASK NR, 9760-37600

AFOSR TN 59-1212
PERDUR UNIV LAFAYETTE IND
NORMAL OPERATORS ON THE BANACH SPACE LP<-00,00>. PART II. UNBOUNDED OPERATORS. NOV 1959
BY KRABBE, G. L. DDC NR.
CONTRACT NR. AF 49(638)-505
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1214
[illegible] UNIV OF BELGIUM
NUCLEAR QUADRUPOLE RESONANCE IN IRRADIATED ORGANIC CRYSTALS AND IN A SEMI-CONDUCTOR-ELECTRON SPIN RESONANCE IN CARBONACEOUS ROCKS JAN 1960
BY DUCHESNE, J DDC NR. 236321
CONTRACT NR. AF 61(052)-167
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1215
COLUMBIA UNIV NY
SAMPLED DATA CONTROL SYSTEMS CONTAINING PERIODICALLY VARING MEMBERS NOV 1959
BY FRIEDLAND, B. DDC NR. 230744
KRANC, G M<P.I.> CONTRACT NR. AF 18(600)-677
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1216
NEW YORK UNIV NY
A SOLUTION OF THE EQUATIONS OF STATISTICAL MECHANICS NOV 59
BY LEWIS, R. M. DDC NR. 230291
KLINE, M. <P.I.> CONTRACT NR. AF 49(638)-341
KRAICHNAN, R H PROJ/TASK NR. 9768-37650

AFOSR TN 59-1217
CALIFORNIA UNIV OF BERKELEY.
ELECTROMAGNETIC STRUCTURE OF THE NUCLEON NOV 1959
PHYS REV 118 855-863 MAY 1960
BY BINCER, A. M. DDC NR. 229978
KARPLUS, R. <P.I.> CONTRACT NR. AF 49 (638)-327
PROJ/TASK NR. 9750-37500

AFOSR TN 59-1218
RIAS INC BALTIMORE MD
LIAPUNOV-S FUNCTION AND BOUNDNESS OF SOLUTIONS DEC 1959
BY YESHIZAWA, T DDC NR. 231861
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1219
RIAS INC BALTIMORE MD
CONTROLS AN APPLICATION OF THE DIRECT METHOD OF LIAPUNOV DEC 1959
BY LEFSCHETZ, S DDC NR. 231862
CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1220
RIAS INC BALTIMORE MD
ON THE CHARACTERISTIC EXPONENTS OF LINEAR PERIODIC DIFFERENTIAL SYSTEMS DEC 1959
BY HALE J K DDC NR. 231589
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1221
AVCO-EVERETT RSCH LABORATORY, EVERETT, MASS
ON THE FLOW OF A VISCOUS ELECTRICALLY CONDUCTING FLUID OCT 1959
BY GREENSPEN, H. P. DDC NR. 231877
PATRICE, R M<P.I.> CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9751-37510

AFOSR TN 59-1222
RIAS INC BALTIMORE MD
BEHAVIOR OF SOLUTIONS NEAR INTEGRAL MANIFOLDS MAR 1960
BY HALE, J K DDC NR. 236444
STOKES, A CONTRACT NR. AF 49(638)-382
LEFSCHETZ, S<P.I.> PROJ/TASK NR. 9783-37726

AFOSR TN 59-1223
CALIFORNIA UNIV OF LOS ANGELES
EXTENDED SYNTHESIS TECHNIQUES FOR MULTIPOLE SAMPLED-DATA CONTROL SYSTEMS OCT 1959
BY STEAR, E B DDC NR. 233276
LEONDES, C T CONTRACT NR. AF 49(638)-438
ESTRIN, E. <P.D.> PROJ/TASK NR. 9783-37726

AFOSR TN 59-1224
PRINCETON UNIV NJ
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS. XXX. THE ANEMALOUS DIELECTRIC RELAXATION OF DIPHENYL ETHER AND SOME SIMILAR MOLECULES 1,2
JACS 82 3523-3526 JUL 1960
BY ROBERTI, D M DDC NR.
KALMAN, O F CONTRACT NR. AF 18(600)-1331
SMYTH, C P PROJ/TASK NR. 9760-37600

AFOSR TN 59-1225
NORTHWESTERN UNIV EVANSTON ILL
BRIDGED MECHANISM FOR THE PLATINUM <II> CATALYSIS OF CHLORIDE EXCHANGE IN CHLOROAMMINEPLATINUM <IV> COMPLEXES1 NOV 1959
BY BASOLO, F DDC NR. 232954
CONTRACT NR. AF 49(638)-315
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1226
CORNELL UNIV ITHACA NY
STABILITIES OF THE GASEOUS MOLECULES BISE, BITE AND SBTE
J CHEMI PHYS 32 943-944 MAR 1960
BY PORTER, R F DDC NR.
CONTRACT NR. AF 18(603)-1
CONTRACT NR. AF 49(638)-480
PROJ/TASK NR. 9763-37630

AFOSR TN 59-1227
PENNSYLVANIA STATE UNIV UNIVERISTY PARK
USE OF THE CARDATYPE MACHINE TO PREPARE PEEK-A BOOK CARD AUG 1959
BY MALINOSKI, R DDC NR. 228899
VAND, V CONTRACT NR. AF 49(638)-416
PEPINSKY, R PROJ/TASK NR. 9760-37601

AFOSR TN 59-1228
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
GROWTH INSTITUTE EXTRACTOR-S MANUAL, FIRST REVISED EDITION, OCTOBER 1959 PART II.M SEPCIFIC DIRECTIONS AND DEFINITIONS OF OPERATIONS
BY PEPINSKY, R DDC NR. 228901
VAND, V CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1229
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
GROWTH INSTITUTE EXTRACTOR-S MANUAL, FIRST REVISED EDITION, OCTOBER 1959 PART III.* LISTING OF CODE WORDS FOR PERIODICA
BY PEPINSKY, R DDC NR.
VAND, V CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1230
PENNSYVANIA STATE UNIV UNIVERSITY PARK
ABSTRACTS OF THREE PAPERS ON THE STATUS OF THE GROTH INSTITUTE PROGRAM JUL 1959
BY PEPINSKY, R DDC NR.
VAND, V CONTRACT NR. AF 49(638)-416
VAN DEN HENDE, J PROJ/TASK NR. 9760-37601

AFOSR TN 59-1231
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SUMMARY REPORT ON THE GROTH INSTITUTE OCT 1959
BY PEPINSKY, R DDC NR. 228902
CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1232
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROPERTY SORT <35> OF ORTHORHOMBIC CRYSTALS INDEX NUMBERS 499 IN THE BARKER INDEX OF CRYSTALS, VOLUME 1, PART II NO 1959
BY VAND, V DDC NR.
PEPINSKY, R CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1233
RIAS INC BALTIMORE MD
INTEGRAL MANIFOLDS OF PERTURBED DIFFERENTIAL SYSTEMS NOV 59
ANN MATH 73 496-531 1961
BY HALE, J K DDC NR.
LEFSCHETZ, S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 59-1234
IST ELECTTROTECNICO NAZIONALE TORINO ITALY
EXPERIMENT ON THE POSSIBLE DEPENDENCE OF SUPERCONDUCTI VE TRANSITION TEMPERATURE ON THE SURFACE CHARGE DENSITY 1959
BY RONFIGLIOLI, G DDC NR. 23207*
MALVANO, R CONTRACT NR. AF 61(514)-1333
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1235
SYRACUSE UNIV NY
POLYNOMIAL APPROXIMATION OF CONTINUOUS FUNCTIONS ON LINEAR SPACES DEC 1959
BY JURKAT, W. B. DDC NR. 231608
LORENTZ, G. G.<P.I.> CONTRACT NR. AF 49(638)-619
PROJ/TASK NR. 9752-37522

AFOSR TN 59-1237
FREE UNIV OF BRUSSELS BELGIUM
IRREVERSIBLE PROCESSES IN GASES. I. THE DIAGRAM TECHNIQUE
PHYSICA 25 281-31 1959
BY PRIGOGINE, I. DDC NR. 229360
BALESCU, R CONTRACT NR. AF 61(514)-957
PROJ/TASK NR. 9751-37511

AFOSR TN 59-1238
FREE UNIV OF BRUSSELS BELGIUM
IRREVERSIBLE PROCESSES IN GASES. II. THE EQUATIONS OF EVOLUTION
PHYSICA 25 302-323 1959
BY PRIGOGINE, I. DDC NR. 229359
BALESCU, R CONTRACT NR. AF 61(514)-957
PROJ/TASK NR. 9751-37511

AFOSR TN 59-1240
NORTH CAROLINA UNIV OF CHAPEL HILL
ON A CLASS OF ERROR CORRECTING BINARY GROUP CODES SEP 1959
BY BOSE, R . C. DDC NR. 235094
RAY-CHAUDHURI D. K. CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37658

AFOSR TN 59-1241
NORTH CAROLINA UNIV OF CHAPEL HILL
ORTHOGONAL LATIN SQUARES AND EULER-S CONJECTURE JAN 1960
BY BOSE, R. C. DDC NR. 235095
SHRIKHANDE, S. S. CONTRACT NR. AF 49(638)-213
PARKER, E. T. PROJ/TASK NR. 9769-37658

AFOSR TN 59-1242
MASSACHUSETTS UNIV OF AMHERST
O ACYLHYDROXYLAMINES II. O-MESITYLENESULFONYL-,O-P-TOLUENESULFONYL-AND O-MESITOYLYDROXYLAMINE 1 1959
JACS 82 3133-3135 JUN 1960
BY CARPINO, L A DDC NR. 230298
CONTRACT NR. AF 18(603)-114
PROJ/TASK NR. 9762-37620

AFOSR TN 59-1243
PURDUE UNIV LAFAYETTE IND
ELECTRON-NEUTRINS AND ELECTRON-ANTINENTRINO SCATTERING
PHYS REV 117 1614-1615 MAR 1960
BY PEASLEE, D C DDC NR. 241632
PERKINS, J F CONTRACT NR. AF 18(600)-1579
KING, R W PROJ/TASK NR. 9750-37500

AFOSR TN 59-1244
PURDUE UNIV LAFAYETTE IND
ELECTRON-NEUTRINO AND ANTI NEUTRINO SCATTERING
PHYS REV 117 1616-1619 MAR 1960
BY KING, D. T. DDC NR.
PLEASLEY, D. CONTRACT NR. AF 18(600)-1479
PERKINS, J. F. PROJ/TASK NR. 9750-37500

AFOSR TN 59-1245
STANFORD UNIV CALIF
THE INFLUENCE OF EXCHANGE INTERACTION ON PARAMAGNETIC
RELAXATION TIMES NOV 1959
PHYS REV LTRS 4 13-15 JAN 1960
BY GOLDSBOROUGH, J. P. DDC NR. 230275
MANDEL, M. CONTRACT NR. AF 18(600)-131
PAKE, G. E. PROJ/TASK NR. 9751-37511

AFOSR TN 59-1246
MARYLAND UNIV OF COLLEGE PARK
QUASI-PARTICLE APPROACH TO INTERACTION IN AN IDEALIZED
METAL SEP 1959
BY QUINN, J. J. DDC NR. 229362
FERRELL, R. A. CONTRACT NR. AF 49(638)-199
MEYERS, R. D(P.I.) PROJ/TASK NR. 9761-37631

AFOSR TN 59-1248
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE THERMODYNAMIC THEORY OF LINE SINGULARITIES IN ONE-
COMPONENT SYSTEMS
BY TISZA, L. DDC NR.
QUAY, P. M. CONTRACT NR. AF 49(638)-99
PROJ/TASK NR. 9751-37511

AFOSR TN 59-1249
AEROJET-GENERAL CORP. AZUSA.
CHEMICAL FRAGMENTS AS ULTRA-ENERGY PROPELLANTS NOV 59
ABSTRACTS BULLETIN NR 6
BY WULFF, D. L. DDC NR. 230736
BAUM, L. M. CONTRACT NR. AF 49(638)-110
FLOURNOY, J. M. PROJ/TASK NR. 9750-37501
HOF, G. (P.I.)

AFOSR TN 59-1250
STANFORD UNIV CALIF
BUCKLING OF THIN CIRCULAR CYLINDRICAL SHELL HEATED ALONG AN
AXIAL STRIP DEC 1959
BY HILL, D. W. DDC NR. 230621
HOFF, N. J(P.I.) CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9782-37710

AFOSR TN 59-1251
MINNESOTA UNIV OF MINNEAPOLIS
THE EXTERIOR DIRICHLET PROBLEM FOR SECOND ORDER ELLIPTIC
PARTIAL DIFFERENTIAL EQUATIONS DEC 1959
J MATH & MECH 9 513-538 JUL 1960
BY SERRIN, J. B. DDC NR. 269029
MEYERS, N. CONTRACT NR. AF 49(638)-267
PROJ/TASK NR. 9760-37650

AFOSR TN 59-1252
COLUMBIA UNIV NY
ON THE QUESTION OF MULTIPLE SCATTERING IN THE TROPOSPHERE
NOV 1959
BY BUGAROLO, D. S. DDC NR. 230877
CONTRACT NR. AF 49(638)-350
PROJ/TASK NR. 9760-37650

AFOSR TN 59-1253
MICHIGAN UNIV OF ANN ARBOR
THE EFFECTS OF STRAIN ON THE INTERFACIAL ENERGIES OF SOLIDS
NOV 1959
BY FLOREEN, S. DDC NR. 231780
MUCKI, R. E. CONTRACT NR. AF 49(638)-422
RAGONE, D. V. PROJ/TASK NR. 9761-37611

AFOSR TN 59-1256
ROCHESTER UNIV OF NY
OPTICAL CONSTANTS OF GERMANIUM IN THE REGION, 0-10 EV, OCT
OCT 1959
J APPL PHYS 31 775-777 MAY 1960
BY BIMMER, M. P. DDC NR. 231704
DEXTER, D. L. CONTRACT NR. AF 49(638)-432
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1257
ROCHESTER UNIV OF NY
VARLEY MECHANISM FOR DEFECT FORMATION IN ALKALI HALIDES
NOV 1959
PHYS REV 118 994-995 MAY 1960
BY DEXTER, D. L. DDC NR. 231705
CONTRACT NR. AF 49(638)-432
PROJ/TASK NR. 9760-37601

AFOSR TN 59-1256
NORTHWESTERN UNIV EVANSTON ILL
KINETICS OF SINTERING OF SODIUM CHLORIDE IN THE PRESENCE OF
AN INERT GAS NOV 1959
J APPL PHYS /V/31/488-496/MAR U960
BY ROSER, J. B. DDC NR. 231157
WHITMORE, D. H. CONTRACT NR. AF 49(638)-436
PROJ/TASK NR. 9762-37671

AFOSR TN 59-1257
POLYTECHNIC INST OF BROOKLYN NY
A STUDY OF SIMILARITY TRANSFORMATIONS FOR THE EQUATIONS OF
TWO-DIMENSIONAL INCOMPRESSIBLE VISCOUS FLOW DEC 1959
BY GOOD-SARG MAR DDC NR. 231852
FERRI, A. (P.I.) CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1258
WASHINGTON UNIV ST LOUIS, MO
A POSSIBLE SYMPTOM OF THE JAHN-TELLER EFFECT IN THE NEGATI-
IONS OF CYCLOHEXANE AND TRIPHENYLENE
J CHEMPHYS 32 509-510 JAN 1960
BY TOURSEND, M. G. DDC NR. 269091
WEISSMAN, S. I. CONTRACT NR. AF 49(638)-666
BORDENS, R. (P.I.) PROJ/TASK NR. 9751-37511

AFOSR TN 59-1260
RENSSELAER POLYTECHNIC INST TROY NY
LINEAR DIFFERENTIAL EQUATIONS WITH RANDOM NONHOMOGENEITIES
DEC 1959
BY BOYCE, W. E. DDC NR. 230946
[illegible] CONTRACT NR. [illegible]
PROJ/TASK NR. 9782-37717

AFOSR TN 59-1261
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
ON THE SCATTERING OF WATER WAVES BY A CIRCULAR DISK DEC 1959
BY MAC CAMY R. C. DDC NR. 230359
NEHARI Z (P.I.) CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-37727

AFOSR TN 59-1262
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
CHARACTERISTIC VALUES ASSOCIATED WITH A CLASS OF NONLINEAR
SECOND-ORDER DIFFERENTIAL EQUATIONS DEC 1959
ACTA MATH 105 141-175 1961
BY NEHARI Z DDC NR. 231156
CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-37727

AFOSR TN 59-1263
SYRACUSE UNIV NY
ON THE ANALYTIC STRUCTURE OF SEMI GROUPS OF POSITIVE
MATRICES OCT 1959
BY JURKAT, W. B. DDC NR. 239135
CHUNG, K. L.(P.I.) CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9781-37727

AFOSR TN 59-1264
SYRACUSE UNIV NY
ON LAST EXIT TIMES OCT 1959
ILL J MATH 4 629-639 DEC 1960
BY CHUNG, K. L. DDC NR. 239092
CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9781-37727

AFOSR TN 59-1265
SYRACUSE U
THE DIFFERENTIABILITY OF TRANSITION FUNCTIONS OCT 1959
BUL AMER MATH SOC 66 36-39 JAN 1960
BY ORNSTEIN, D. DDC NR. 239105
CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9781-37727

AFOSR TN 59-1266
SYRACUSE UNIV NY
ON THE ANALYTIC STRUCTURE OF MARKOV PROCESSES OCT 1959
BY JURKAT, W. B. DDC NR. 239106
CHUNG, K. L. (P.I.) CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9781-37727

AFOSR TN 59-1267
SYRACUSE UNIV NY
A GENERAL ERGODIC THEOREM OCT 1959
BY CHACON, R. V. DDC NR. 239107
ORNSTEIN, D. S. CONTRACT NR. AF 49(638)-265
CHUNG, K. L. PROJ/TASK NR. 9781-37727

AFOSR TN 59-1268
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HEAT AND MASS TRANSFER FOR FLOW PAST AN ARBITRARY CYLINDER
SEP 1959
BY SCOTT P. B. DDC NR. 235991
CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9781-3772

AFOSR TN 59-1269
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF PD3S1
ACTA CHEM SCAND 14 1011-1018
BY ARONSSON, B. DDC NR. 239277
RYLUND, A. CONTRACT NR. AF 61(052)-60
MAGG, G.(P.I.) PROJ/TASK NR. 9762-37671

AFOSR TN 59-1270
UPPSALA UNIV OF SWEDEN
X-RAY INVESTIGATION OF RHODIUM PHOSPHIDES. THE CRYSTAL
STRUCTURE OF RHP3
ACTA CHEM SCAND 14 893-902 1960
BY BURDQUIST, S. DDC NR. 239278
NYDE, A. CONTRACT NR. AF 61(052)-60
MAGG, G.(P.I.) PROJ/TASK NR. 9762-37671

AFOSR TN 59-1271
MARYLAND UNIV OF COLLEGE PARK
THE WAVE MOTIONS OF SMALL AMPLITUDE IN A FULLY IONIZED
PLASMA - PART I WITHOUT EXTERNAL MAGNETIC FIELD NOV 1959
BY PAI S. I. DDC NR. 229709
BURGERS J. M (P.I.) CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37719

AFOSR TN 59-1272
MINNESOTA UNIV OF, MINNEAPOLIS
A FAMILY OF INTEGRALS SERVING TO CONNECT THE WIENER AND
FEYNMAN INTEGRALS (NOVEMBER 59)
J MATH PHYS 39 126-140 JUL 1960
BY CAMERON, R. H. DDC NR. 232806
CONTRACT NR. AF 18(603)-10
PROJ/TASK NR. 9792-37922

AFOSR TN 59-1273
MASSACHUSETTS INST OF TECH, CAMBRIDGE
ESTIMATION OF UNSTEADY AIRLOADS ON BLUNT BODIES IN A
HYPERSONIC STREAM PT 1 THEORY OCT 1959
BY KENNET H DDC NR. 232606
ASHLEY H (P.I.) CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-37710

AFOSR TN 59-1276
GENERAL DYNAMICS CORP, CONVAIR DIV, POMONA, CALIF
THERMO-ELASTIC EQUATIONS APPLICABLE TO THICK-WALL, POINTED
SHELLS OF REVOLUTION NOV 1959
BY SUTHERLAND R. D. DDC NR. 239609
SHOOK R. G. CONTRACT NR. AF 49(638)-907
PROJ/TASK NR. 9782-37717

AFOSR TN 59-1275
BROWN UNIV PROVIDENCE R I
TESTS OF A CONFIGURATION COMPOSED OF A BODY UNDER A LIFTING WING IN SUPERSONIC FLOW FEB 1960
BY CHEN C. F. DDC NR. 233966
MAEDER P F <P,I.> CONTRACT NR. AF 49(638)-666
PROJ/TASK NR. 9781-97712

AFOSR TN 59-1276
BROWN UNIV PROVIDENCE R I
A STUDY OF CONFIGURATIONS COMPOSED OF A BODY UNDER A LIFTING WING IN SUPERSONIC FLOW JAN 1960
BY CHEN C. F. DDC NR. 233923
CLARKE J. H. CONTRACT NR. AF 49(638)-666
MAEDER P F <P,I.> PROJ/TASK NR. 9781-97712

AFOSR TN 59-1278
CALIFORNIA UNIV OF BERKELEY
FERMI ACCELERATION OF ELECTRONS IN THE OUTER VAN ALLEN BELT 1960
PHYS REV LTRS 4 316-318 OCT 1959
BY CRAWFORD, J. A. DDC NR. 243992
HERTZ, L. CONTRACT NR. AF 49(638)-908
WATSON, R. M. <P,I.> PROJ/TASK NR. 9768-97650

AFOSR TN 59-1280
STANFORD RSCH INST MENLO PARK CALIF
STUDIES IN THE THEORY OF SHOCK PROPAGATION IN SOLIDS
J GEOPHYS RSCH 65 699-714 FEB 1960
BY BAND, W DDC NR. 230167
DUVALL, G E <P,I.> CONTRACT NR. AF 49(638)-625
PROJ/TASK NR. 9760-97601

AFOSR TN 59-1281
STANFORD RSCH INST MENLO PARK CALIF
ATTENUATION OF THE SHOCK WAVE PRODUCED IN A SOLID BY A FLYING PLATE AUG 1959
J APPL PHYS 31/655-661 APR 1960
BY FOWLES, G R DDC NR. 236852
DUVALL, G E <P,I.> CONTRACT NR. AF 49(638)-625
PROJ/TASK NR. 9760-97601

AFOSR TN 59-1282
BIAS INC BALTIMORE MD
PERIODIC ORBITS ON TWO MANIFOLDS JAN 1960
BY BRINKART, P. L. DDC NR. 233043
LEFSCHETZ, S<P,I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-97726

AFOSR TN 59-1283
BIAS INC BALTIMORE MD
DISCUSSION OF DIFFERENTIAL EQUATIONS ON PRODUCT SPACES JAN 1960
BY HALE, J K DDC NR. 233044
STOKES, A. CONTRACT NR. AF 49(638)-382
LEFSCHETZ, S<P,I.> PROJ/TASK NR. 9781-97726

AFOSR TN 59-1284
WESTINGHOUSE ELECTRIC CORP BALTIMORE, MD
TRAJECTORY PROBLEMS IN CISLUNAR SPACE DEC 1959
BY SHAPIRO, G. DDC NR. 230878
ASTRUCCIO, P. A.<P, CONTRACT NR. AF 49(638)-699
PROJ/TASK NR. 9781-97726

AFOSR TN 59-1286
SYRACUSE UNIV NY
RELATIONS BETWEEN FUNCTION SPACES DEC 1959
PROC AMER MATH SOC 12 127-132 FEB 1961
BY LORENTZ, G. G. DDC NR. 231609
CONTRACT NR. AF 49(638)-619
PROJ/TASK NR. 9752-97522

AFOSR TN 59-1287
SYRACUSE UNIV NY
ON UNIFORM APPROXIMATION BY POSITIVE LINEAR COMBINATIONS OR POLYNOMIALS OF A GIVEN SYSTEM OF FUNCTIONS DEC 1959
BY JURKAT, W. B. DDC NR. 231597
LORENTZ, G. G. CONTRACT NR. AF 49(638)-619
PROJ/TASK NR. 9752-97522

AFOSR TN 59-1288
STANFORD UNIV CALIF
MULTIPLIERS OF COMMUTATIVE BANACH ALGEBRAS DEC 1959
BY WANG, I. DDC NR. 231329
DE LEEUW, K<P,I.> CONTRACT NR. AF 49(638)-296
PROJ/TASK NR. 9769-97650

AFOSR TN 59-1290
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF Ni3B
ACTA CHEM SCAND 14 1001-1005 1960
BY ARONSSON, B DDC NR. 233[illegible]9
RUNDQVIST, S CONTRACT NR. AF 61(052)-60
RAGNARSSON, M PROJ/TASK NR. 9767-97621
HAGG, G<P,I.>

AFOSR TN 59-1291
DUKE UNIV DURHAM N C
THE STEADY STATE THERMOELASTIC PROBLEM FOR THE ELASTIC LAYER RESTING ON A RIGID FOUNDATION SEP 1959
ANN DI MAT PURA ET APPL SER 4 50 309-317 1960
BY SNEDDON, I N DDC NR. 231226
LOCKETT, F J CONTRACT NR. AF 18(600)-[illegible]
GERGEN, J J<P,I.> PROJ/TASK NR. 9781-97727

AFOSR TN 59-1292
LABORATOIRE MEDITERRANEEN DE RECH THERMODYN, NICE, FR
OCT. 1959, REALIZATION OF A MOLECULAR GUN ON HYPERSONIC WIND TUNNEL
BY DEVIENNE F. M. DDC NR. 232218
CONTRACT NR. AF 61(052)-296
PROJ/TASK NR.

AFOSR TN 59-1293
BIAS INC BALTIMORE MD
ON THE METHOD OF KRYLOV-BOGOLIUBOV MITROPOLSKII FOR THE EXISTENCE OF INTEGRAL MANIFOLDS OF PERTURBED DIFFERENTIAL SYSTEMS JAN 1960
BY HALE J K DDC NR. 233806
LEFSCHETZ, S<P,I.> CONTRACT NR. AF 49(638)-82
PROJ/TASK NR. 9781-97726

AFOSR TN 59-1294
JOHNS HOPKINS UNIV BALTIMORE, MD
ON LOCAL AND GLOBAL PROPERTIES OF CONVEX SETS AND HYPERSURFACES NOV 1959
BY SACKSTEDER, R. DDC NR. 231782
HARTMAN, P.<P,I.> CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9781-97727

AFOSR TN 59-1295
MARYLAND UNIV OF COLLEGE PARK
HIGH ORBITAL S-STATE CAPTURE OF MESONS BY PROTONS 1959
PHYS REV 118 866-866 MAY 1960
BY DAY, T. B. DDC NR. 230916
SNOW, G. A. CONTRACT NR. AF 49(638)-24
SUCHER, J. PROJ/TASK NR. 9761-97612
TOLL, J. S.

AFOSR TN 59-1296
NEW YORK UNIV NY
STUDIES OF ROLE PERFORMANCE
GEN PSY CH MONOGR 1960
BY MANN, J H DDC NR.
BORGATTA, E F<P,I.> CONTRACT NR. AF 49(638)-199
PROJ/TASK NR. 9778-97707

AFOSR TN 59-1297
NEW YORK UNIV NY
SOME RELIGIOUS-ETHNIC DIFFERENCES IN INTERACTION RATES
PSY CH RPTS 7 365-370 1960
BY STIMSON, J DDC NR.
BORGATTA, E F <P,I.> CONTRACT NR. AF 49(638)-199
PROJ/TASK NR. 9778-97707

AFOSR TN 59-1298
POLYTECHNIC INST OF BROOKLYN NY
INVESTIGATION OF A CIRCULAR WAVEGUIDE PERIODICALLY LOADED WITH STRAIGHT WIRES OCT 1959
BY ETTENBERG, M. DDC NR. 230730
TAMIR, T. CONTRACT NR. AF 18(600)-1505
WEBER, E. <P,I.> PROJ/TASK NR. 6751/---
TOURAL, J. G.
MARCUVITZ, N.

AFOSR TN 59-1299
POLYTECHNIC INST OF BROOKLYN NY
REALIZATION OF BOOLEAN POLYNOMIALS BASED ON INCIDENCE MATRICES, NOV 1959
BY OKADA, S. DDC NR. 230765
MORIWAKI, Y. CONTRACT NR. AF 18(600)-1505
YOUNG, E. P. PROJ/TASK NR. 6751
WEBER, E. <P,I.>
MARCUVITZ, N
TOURAL, J. G.

AFOSR TN 59-1300
CALIFORNIA UNIV OF BERKELEY
THE BIOLOGICAL MECHANISMS OF AIR ION ACTION,e I. HYDROXYTRYPTAMINE AS THE ENDOGENOUS MEDIATOR OF POSITIVE AIR ION EFFECTS ON THE MAN
AIR ION EFFECTS ON THE MAMMALIAN TRACHEA BY [illegible]
60-1095
J GEN PHYSIOL 43 533-540 JAN 1960
BY KRUEGER, A P DDC NR. 236189
SMITH, R F CONTRACT NR. AF 49(638)-669
PROJ/TASK NR. 9777-97701

AFOSR TN 59-1301
COLORADO UNIV OF, BOULDER
DEC. 1959, A TWO-PARAMETER FAMILY OF BEST TWIN CONVERGENCE REGIONS FOR CONTINUED FRACTIONS
BY LANGE, L. J. DDC NR. 229596
THRON W. J. CONTRACT NR. AF 49(638)-100
PROJ/TASK NR. 9781-97727

AFOSR TN 59-1302
CALIFORNIA INST OF TECHNOLOGY PASADENA
MAGNETOHYDRODYNAMIC SIMPLE WAVES, DEC 1959, SUPPLEMENT MAY 1960
BY COLE J. D. DDC NR. 236739
LYNN Y. M. CONTRACT NR. AF 49(638)-676
PROJ/TASK NR. 9781-97712

AFOSR TN 59-1303
POLYTECHNIC INST OF BROOKLYN NY
SOME SIMILAR SOLUTIONS FOR IN COMPRESSIBLE LAMINAR BOUNDARY PROBLEMS DEC 1959
BY KOOH-SANG WAN DDC NR. 235799
FERRI, A. <P,I.> CONTRACT NR. AF 49(638)-[illegible]
PROJ/TASK NR. 9781-97712

AFOSR TN 59-1304
MINNESOTA UNIV OF MINNEAPOLIS
INTEGRAL LAMINAR BOUNDARY LAYER SOLUTIONS USING THE CROCCO VARIABLES DEC 1959
PROC 6TH TECH CORP ROSEMOUNT AERO LABS RPT 165, 1959, PP 10-1TO 10-19 SYMP 8200
BY SCOTT, C. J. DDC NR. 231975
ECKERT, E. R. G. CONTRACT NR. AF 18(600)-1226
PROJ/TASK NR. 9781-97712

AFOSR TN 59-1305
MINNESOTA UNIV OF MINNEAPOLIS
LAMINAR, TRANSITIONAL AND TURBULENT MASS TRANSFER COOLING EXPERIMENTS AT MACH NUMBERS FROM 3 TO 5 AUG 1959
PROC 6TH TECH CORP ROSEMOUNT AERO LABS RPT 165, 1959 PP 10-1 TO 10-19 SYMP 8200
BY SCOTT, C. J. DDC NR. 231976
ANDERSON, C. E. CONTRACT NR. AF 18(600)-1226
ELGIN, D. R. PROJ/TASK NR. 9781-97712
ECKERT, E. R. G.<P,I

AFOSR TN 59-1306
MINNESOTA UNIV OF MINNEAPOLIS
MASS TRANSFER COOLING EXPERIMENTS ON A HEMISPHERE AT M 5 AUG 1959
BY SCOTT, C. J. DDC NR. 231975
ANDERSON, C. E. CONTRACT NR. AF 18(600)-1226
ELGIN, D. R. PROJ/TASK NR. 9781-97712
ECKERT E R G<P,I.>

AFOSR TN 59-1307
GENERAL APPLIED SCI LABORATORIES HEMPSTEAD, NY
THE OSCILLATION AND NOISE OF AN OVERPRESSURE SONIC JET
NOV 1959
BY HAMMITT A. G. DDC NR. 233878
ARNOLD L <P.I.> CONTRACT NR. AF 49<638>-194
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1308
GENERAL APPLIED SCI LABORATORIES, INC. HEMPSTEAD N Y
ON THE AERODYNAMIC NOISE OF A JET APR 1959
BY CHENG SIN-I DDC NR. 233164
ARNOLD L <P.I.> CONTRACT NR. AF 49<638>-194
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1309
GENERAL APPLIED SCI LABORATORIES HEMPSTEAD NY
NOTE ON THE SPECTRUM NOISE OF A JET AND ITS SILENCER NOV 59
BY CHENG SIN-I DDC NR. 236522
ARNOLD L <P.I.> CONTRACT NR. AF 49<638>-194
PROJ/TASK NR. 9781-37712

AFOSR TN 59-1310
GENERAL APPLIED SCI LABORATORIES HEMPSTEAD NY
THE NOISE FIELD OF A SUBSONIC JET NOV 1959
BY MORETTI G DDC NR. 236386
SLUTSKY S. CONTRACT NR. AF 49<638>194
ARNOLD L <P.I.> PROJ/TASK NR. 9781-37712

AFOSR TN 59-1311
NORTH CAROLINA UNIV OF CHAPEL HILL
BAYES ESTIMATION OF PROPORTIONS THE EFFECT OF STIMULUS
DISTRIBUTION AND EXPOSURE TIME
BY SHUFORD, E H DDC NR. 232826
WIESEN, R A CONTRACT NR. AF 49<638>-729
JONES, L V PROJ/TASK NR. 9778-37708

AFOSR TN 59-1312
OSLO UNIV NORWAY
ON THE PROPAGATION OF TRANSVERSE ELECTROMAGNETIC WAVES IN
A PLASMA IN A MAGNETIC FIELD 1959
BY HOLTER, G DDC NR. 232059
JENSEN, E. <P.I.> CONTRACT NR. AF 61<052>-49
PROJ/TASK NR. 9774-37663

AFOSR TN 59-1313
CAMBRIDGE UNIV. ENGLAND
OCT 1959. DISPERSION RELATION PREDICTIONS FOR , P SCATTERIN
BY SPEARMAN, T. D. DDC NR. 232058
HAMILTON, J.<P.I.> CONTRACT NR. AF 61<052>-233
PROJ/TASK NR. 9750-37500

AFOSR TN 59-1314
CAMBRIDGE UNIV ENGLAND
OCT 1959 LOW ENERGY PION PHENOMENA
PHYS REV 118 291-299 APR 60
BY HAMILTON, J. DDC NR. 234215
WOOLCOCK, W. S. CONTRACT NR. AF 61<052>-233
PROJ/TASK NR. 9750-37500

AFOSR TN 59-1315
IST ELETTROTECHNICO NAZIONALE TORINO ITALY
THEORY OF THE ISOTHERMAL BLEACHING OF F CENTERS PRODUCED BY
IRRADIATION IN ALKALI HALIDES
BY BONFIGLIOLI, G DDC NR. 232060
BROVETTO, P CONTRACT NR. AF 61<514>-1333
CORTESE, C PROJ/TASK NR. 9760-37601

AFOSR TN 59-1317
OSLO UNIV OF NORWAY
INTERHIPPOCAMPAL IMPULSES. IV. A CORRELATION OF SOME
FUNCTIONAL AND STRUCTURAL PROPERTIES OF THE INTERHIPPOCAMPA
FIBRES IN CAT, RABBIT AND RAT
ACTA PHYSIOL SCAND 48 329-351 1960
BY ANDERSEN, P DDC NR. 244781
KAADA, B. R. <P.I.> CONTRACT NR. AF 61<514>-1127
PROJ/TASK NR. 9777-37700

AFOSR TN 59-1319
PRINCETON UNIV NJ
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS.
XXXI. ANALYSIS IN TERMS OF TWO RELAXATION TIMES FOR SOME
AROMATIC ETHER I
J PHYS CHEM 64 665-667 MAY 1960
BY SMYTH, C P DDC NR.
CONTRACT NR. AF 18<600>-1331
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1320
PURDUE UNIV LAFAYETTE IND
NUON CAPTURE IN HE3
PHYS REV 118 870 MAY 1960
BY FUJII, A DDC NR.
KING, R. W.<P.I.> CONTRACT NR. AF 18<600>-1579
PROJ/TASK NR. 9750-37500

AFOSR TN 59-1321
STANFORD RSCH INST MENLO PARK CALIF
NEW ELECTRON ACCEPTORS FOR THE HILL REACTION II. CHROMIC
ION DEC 1959
BY MARCUS, R J DDC NR. 231929
CONTRACT NR. AF 18<603>-7
PROJ/TASK NR. 9763-37630

AFOSR TN 59-1322
STANFORD RSCH INST MENLO PARK CALIF
SURVEY OF ELECTRON TRANSFER SPECTRA OF INORGANIC IONS DEC
1959
BY MARCUS, R J DDC NR. 231930
CONTRACT NR. AF 18<603>-7
PROJ/TASK NR. 9763-37630

AFOSR TN 59-1323
WASHINGTON UNIV ST LOUIS MO
A MEASUREMENT OF THE LONGITUDINAL POLARIZATION OF PR 144
BETA-PARTICLES SEP 1959
BY MEHLHOP, W A W DDC NR. 234106
CONDON, E. U.<P.I.> CONTRACT NR. AF 18 <603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 59-1324
STANFORD UNIV CALIF
PION-PION SCATTERING IN THE J THEORY DEC 1959
PHYS REV 118 1659-1664 JUN 1960
BY BAKER M DDC NR. 231747
ZACHARIASEN F CONTRACT NR. AF 49<638>-388
SCHIFF L I<PI> PROJ/TASK NR. 9750-37500

AFOSR TN 59-1325
WASHINGTON UNIV ST LOUIS, MO
DETERMINATION OF RATES AND MECHANISMS OF ELECTRON SPIN
RESONANCE
ZEIT FUR ELEKTROCHEMIE BD 64 47-50 1960
BY WEISSMAN, S. I. DDC NR. 243091
NORBERG, R . <P.I .> CONTRACT NR. AF 49<638>-464
PROJ/TASK NR. 9751-37511

AFOSR TN 59-1326
COLUMBIA UNIV NY
ANOMALOUS RELAXATION OF HYPERFINE COMPONENTS IN ELECTRON
SPIN RESONANCE
J CHEM PHYS 32 1861-1569 JUN 1960
BY FRAENKEL, G K DDC NR. 233724
SCHREURS, J W H CONTRACT NR. AF 49<638>-520
BLOMGREN, G E PROJ/TASK NR. 9763-37630

AFOSR TN 59-1327
MELLON INST PITTSBURGH PA
INFRARED SPECTROSCOPIC EVIDENCE FOR THE ROTATION OF AMMONIA
MOLECULE IN SOLID ARGON AND NITROGEN DEC 1959
BY HEXTER, R M DDC NR. 230764
CONTRACT NR. AF 49<638>-542
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1328
NEW YORK UNIV NY
INFORMATION FLOW CRITERIA FOR FEEDBACK CONTROL SYSTEM
JAN 1960
PROC 1ST CONG OF INT FEDERATION OF AUTOMATIC CONTROL MOSCOW
1960 712-716 BUTTERMORTH
BY CHANG, S S L DDC NR. 231893
RAGAZZINI, J R<P.I.> CONTRACT NR. AF 49<638>-586
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1329
WASHINGTON UNIV OF SEATTLE
CALCULATION OF DELOCALIZATION CONTRIBUTION TO INFRA-RED
INTENSITY
J CHEM PHYS 32 1747-1756 JUN 1960
BY JONES, W D DDC NR. 247853
SIMPSON, W T CONTRACT NR. AF 18<600>-375
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1331
STANFORD RSCH INST MENLO PARK CALIF
ION-MOLECULE REACTIONS IN MASS SPECTROMETRIC STUDIES OF
ALKALI HALIDE SALTS
J CHEM PHYS 32 1275-1277 APR 1960
BY MILNE, T A DDC NR. 231607
CUBICCIOTTI, D.<P.I. CONTRACT NR. AF 49<638>-89
PROJ/TASK NR. 9760-37600

AFOSR TN 59-1332
STANFORD UNIV CALIF
SOME REMARKS ON COMPTON SCATTERING DEC 1959
BY WALECKA, J D DDC NR. 231746
SCHIFF, L I <P.I.> CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR TN 59-1333
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
MAGNETOHYDRODYNAMIC ACCELERATION OF SLIGHTLY IONIZED,
VISCOUSLY CONTAINED GASES
2D SYMP. ADV. PROP. CONCEPTS, BOSTON 7-8 OCT 1959
BY JANES, G. S. DDC NR. 241054
FAY, J. A. CONTRACT NR. AF 49<638>-659
KANTROWITZ, A. R.<P .PROJ/TASK NR. 4759-11

AFOSR TN 59-1334
AEROJET-GENERAL CORP, AZUSA, CALIF
THE COLLOID ROCKET,* PROGRESS TOWARD A CHARGED-LIQUID-
COLLOID PROPULSION SYSTEM
2D SYMP. ADV. PROPL. CONCEPTS BOSTON 7-8 OCT 1959
BY SCHULTZ, R. D. DDC NR. 241055
BRANSON, L. K. CONTRACT NR. AF 49<638>-656
EDMONSON, R. B.<P.I. PROJ/TASK NR. 4759-08

AFOSR TN 59-1335
PLASMADYNE CORP SANTA ANA, CALIF
OCT 1959, PROBLEMS OF MAGNETIC PROPULSION OF PLASMA
2D SYMP. ADV. PROP. CONCEPTS BOSTON 7-8 OCT 1959
BY WANIEK, R. W. DDC NR. 241130
CONTRACT NR. AF 49<638>-335
PROJ/TASK NR. 9768-37650

AFOSR TN 59-1336
ROCKETDYNE, CANOGA PARK, CALIF
OCT 1959 , VESIUM ION MOTOR RESEARCH
2D SYMP. ADV. PROP. CONCEPTS BOSTON 7-8 OCT 1959
BY SPEISER, R. C. DDC NR. 240986
DULGEROFF, C. R. CONTRACT NR. AF 49 <638>-351
BODEN, T. H.<P.I.> PROJ/TASK NR. 9752-37521

AFOSR TN 59-1337
REPUBLIC AVIATION CORP FARMINGDALE NY
OCT 1959 PLASMA PINCH ENGINE, THE PROBLEM OF REPEATED
PINCHES
2D SYMP. ON ADVANCED PROPULSION CONCEPTS 7-8 OCT 59
BY KUNEN, A. E. DDC NR.
GRANET, I. CONTRACT NR. AF 49<638>-552
GUMAN, W. J. PROJ/TASK NR. 9752-37521

AFOSR TN 60-4
FRANKLIN INST PHILADELPHIA PA
DISLOCATIONS IN DEFORMED SINGLE CRYSTALS OF ALPHA BRASS -
PART II - PILE UPS
TRANS METAL SOC AIME 218 745-752 AUG 1960
BY MEAKIN J D DDC NR. 233671
WILSDORF H G F CONTRACT NR. AF 49<638>-162
PROJ/TASK NR. 9760-37601

AFOSR TN 60-5
ILLINOIS UNIV OF URBANA
NUCLEAR RESONANCE ABSORPTION AND NUCLEAR ZEEMAN
EFFECT IN FE 57
PHYS REV LTRS 4 71-73 JAN 1960
BY DEPASQUALI G — DDC NR.
FRAUENFELDER H — CONTRACT NR. AF 18<603>-49
MARQULIES S — PROJ/TASK NR. 9761-37611
PEARCEY R N

AFOSR TN 60-6
CORNELL UNIV ITHACA N Y
SOME SOLID STATE STUDIES OF SILVER-DOPED WO3 DEC 1959
JACS 82 3508-3510 JUL 1960
BY SIENKO M J — DDC NR.
MAXUMDER B R — CONTRACT NR. AF 49<638>-191
PROJ/TASK NR. 9762-37621

AFOSR TN 60-7
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE ABUNDANCES OF THE ELEMENTS IN G-TYPE SUBDWARFS
ASTROPHYS J SUPPL SER 5 139-186 1960
BY ALLER L. H. — DDC NR. 249554
GREENSTEIN J. L. — CONTRACT NR. AF 49<638>-21
PROJ/TASK NR. 9774-37663

AFOSR TN 60-8
DOCUMENTATION, INC WASH DC
AN EXTERNAL INDEX TO A COMPUTER STORE OF ITEMS AND TRANSACTIONS AS ILLUSTRATED BY PROJECT ECHO DEC 1959
BY TAUBE M — DDC NR. 231421
CONTRACT NR. AF 49<638>-91
PROJ/TASK NR. 9769-37659

AFOSR TN 60-10
NEW YORK UNIV NY
STATISTICAL MECHANICS AND THE BOLTZMANN EQUATION JAN 1960
BY LEWIS, R. M. — DDC NR. 233307
KLINE, M. <P.I.> — CONTRACT NR. AF 49<638>-341
KRAICHMAN, R H<P.I.> — PROJ/TASK NR. 9768-37650

AFOSR TN 60-11
MICHIGAN UNIV OF ANN ARBOR
STUDIES IN SELECTION LEARNING I THE EFFECT OF SELECTION PROCESSES ON ACQUISITION AND RETENTION
BY BURNSTEIN E — DDC NR. 230195
ZAJONC R B — CONTRACT NR. AF 49<638>-367
PROJ/TASK NR. 9778-37708

AFOSR TN 60-12
MARYLAND UNIV OF COLLEGE PARK
AI 1/2 - RULE AND THE WEAK FOUR FERMION INTERACTION DEC 59
PHYS REV 119 482-484 JUL 1960
BY ONEDA S. — DDC NR. 230873
PATI J. C. — CONTRACT NR. AF 49<638>-24
SAKITA B. — PROJ/TASK NR. 9751-37512

AFOSR TN 60-13
UTAH UNIV OF SALT LAKE CITY
SPECTRAL ANALYSIS OF THE IMPACT OF ULTRA VELOCITY COPPER INTO COPPER TARGETS SEP 1959
BY CLARK J.S. — DDC NR. 232699
KADESCH, R. R. — CONTRACT NR. AF 49<638>-462
PROJ/TASK NR. 9751-37511

AFOSR TN 60-14
SOUTH CAROLINA UNIV OF COLUMBIA
APPLICATIONS OF DIELECTRIC SHEET HALF-REFLECTING MIRROR AT MILLIMETER WAVELENGTHS JAN 1960
BY FELLERS R. G. — DDC NR. 231665
CONTRACT NR. AF 18<603>-43
PROJ/TASK NR. 9768-37650

AFOSR TN 60-17
NEW YORK UNIV
ENERGY RELATIONS IN FEEDBACK CONTROL SYSTEMS CONTAINING A NON LINEAR ELEMENT JAN 1960
BY WOLFSON R — DDC NR. 232433
CHANG S S L — CONTRACT NR. AF 49<638>-586
RAGAZZINI J R — PROJ/TASK NR. 9768-37650

AFOSR TN 60-18
NEW YORK UNIV
SAMPLED-DATA CONTROL SYSTEMS WITH TWO DIGITAL PROCESSING UNITS
APPLICATIONS AND INDUSTRY PP 1-7 SEP 1960
BY HUNG J C — DDC NR. 232461
CHUNG S S L — CONTRACT NR. AF 49<638>-586
RAGAGZINI J R<PI> — PROJ/TASK NR. 9768-37650

AFOSR TN 60-20
WASHINGTON STATE UNIV PULLMAN
PYROLYSIS OS FSTERS DEC 1959
BY SMITH G G — DDC NR.
CONTRACT NR. AF 49<638>-616
PROJ/TASK NR. 9760-37600

AFOSR TN 60-22
RIAS INC BALTIMORE MD
EXTENSIONS OF LIAPUNOV-S SECOND METHOD 1960
BY LA SALLE J P — DDC NR. 233805
LEFACHETZ S — CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-23
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE THERMODYNAMICS OF PHASE EQUILIBRIUM FEB 1960
ANN PHYS 13 1-92 1961
BY TISZA L. — DDC NR. 256974
CONTRACT NR. AF 49<638>-95
PROJ/TASK NR. 9751-37511

AFOSR TN 60-25
VIENNA UNIV OF AUSTRIA
THE SIGMA-NEUTRON INTERACTION NOV 1959
BY EDER G — DDC NR. 232068
THIRRING W E — CONTRACT NR. AF 61<052>-265
PROJ/TASK NR. 9751-37512

AFOSR TN 60-26
VIENNA UNIV OF AUSTRIA
ON THE RENORMALIZATION OF BETA COUPLING NOV 1959
BY BAUMANN K — DDC NR. 232391
HOLD A — CONTRACT NR. AF 61<052>-265
HIMMIE L<PI> — PROJ/TASK NR. 9751-37512

AFOSR TN 60-27
POLYTECHNIC INST OF BROOKLYN NY
SYNTHESIS TECHNIQUES FOR DATA-BANDWIDTH OF INTEGRATION IN PASSIVE TRANSDUCERS OCT 1959
BY CARLIN H. J. — DDC NR. 233001
WEBER E <P.I.> — CONTRACT NR. AF 18<600>-1505
MARCUVITZ, N <P.I.> — PROJ/TASK NR. 4751
TRUXAL J G <P.I.>

AFOSR TN 60-28
PURDUE UNIV, LAFAYETTE, IND
A NOTE ON TOEPLITZ MATRICES AND UNITARY EQUIVALENCE MAR 60
BOLL U.M.I.<3> 15 6-9 1960
BY PUTNAM C. R. — DDC NR. 233511
CONTRACT NR. AF 18<603>-139
PROJ/TASK NR. 9752-37522

AFOSR TN 60-29
INST FOR ADVANCED STUDY, PRINCETON, N J
ON A COLORING PROBLEM DEC 1959
BY ASPLUND E. — DDC NR. 232951
GRUNBAUM B. — CONTRACT NR. AF 49<638>-253
PROJ/TASK NR. 9783-37727

AFOSR TN 60-30
INST FOR ADVANCED STUDY, PRINCETON, N.J.
AN INITIAL VALUE PROBLEM FOR POSITIVE SYMMETRIC HYPERBOLIC SYSTEMS DEC 1959
BY LFES M. — DDC NR. 232920
CONTRACT NR. AF 49<638>-253
PROJ/TASK NR. 9783-37727

AFOSR TN 60-33
STANFORD UNIV CALIF
UNIFORM BOUNDEDNESS FOR GROUPS DEC 1959
BY GLICKSBERG I — DDC NR. 232392
CONTRACT NR. AF 49<638>-294
PROJ/TASK NR. 9769-37658

AFOSR TN 60-34
CALIFORNIA UNIV OF, BERKELEY,
DISTRIBUTIONS AND GENERAL THEORY OF DIFFERENTIAL OPERATORS JAN 1960
BY TREVES J. F. — DDC NR. 232500
CONTRACT NR. AF 49<638>-604
PROJ/TASK NR. 9783-37727

AFOSR TN 60-35
CORNELL UNIV, ITHACA, NY
A NOTE ON THE LIMITING RELATIVE EFFECIENCY OF THE WALD SEQUENTIAL PROBABILITY RATIO TEST JAN 1960
55 660-663 DEC 1960
BY BECHHOFER R — DDC NR. 231840
CONTRACT NR. AF 49<638>-230
PROJ/TASK NR. 9752-37522

AFOSR TN 60-36
MINNESOTA UNIV OF, MINNEAPOLIS
A GENERAL CLASS OF LINEAR TRANSFORMATIONS OFWIENER INTEGRAL APR 1960
BY WOODWARD D. — DDC NR. 237352
CAMERON R. H. <P.I.> — CONTRACT NR. AF 18<603>-30
PROJ/TASK NR. 9752-37522

AFOSR TN 60-37
POLYTECHNIC INST OF BROOKLYN NY
A GENERAL CLASS OF MAXIMALLY-FLAT TIME DELAY RESPONSE LADDERS SEPT 1959
BY DEUTSCH S. — DDC NR.
WEBER, E <P.I.> — CONTRACT NR. AF 18<600>-1505
MARCUVITZ, N<P.I.> — PROJ/TASK NR. 4751
TRUXAL J G<P.I.>

AFOSR TN 60-39
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
DESIGN, CALIBRATION AND ANALYSIS OF A HELIUM CONCENTRATION METER DEC 1959
BY BROWN J. — DDC NR. 235986
CONTRACT NR. AF 49<638>-245
PROJ/TASK NR. 9781-37712

AFOSR TN 60-40
NEW YORK UNIV NY
THE FUNCTIONAL SYNTHESIS OF LINEAR PLOTS DEC 1959
BY DRESSLER R. F. — DDC NR. 234919
VINTI J. P. — CONTRACT NR. AF 49<638>-161
STOKER J. J. <P.I.> — PROJ/TASK NR. 9782-37717

AFOSR TN 60-41
NEW YORK UNIV NY
THE BUCKLING OF A THICK CIRCULAR PLATE USING A NON-LINEAR THEORY DEC 1959
BY SENSENIG C. B. — DDC NR. 233366
STOKER J. J.<P.I.> — CONTRACT NR. AF 49<638>-161
PROJ/TASK NR. 9782-37717

AFOSR TN 60-43
JOHNS HOPKINS UNIV BALTIMORE, MD
SPECTRA OF RARE EARTH IONS DEC 1959
BY DIEKE G. H. — DDC NR. 230729
CONTRACT NR. AF 49<638>-535
PROJ/TASK NR. 9768-37650

AFOSR TN 60-45
CHICAGO UNIV OF, ILL
TRIPLE TORSION PRODUCTS AND MULTIPLE KUNNETH FORMULAS NOV 59
BY MAC LANE S — DDC NR. 231091
CONTRACT NR. AF 18<600>-1383
PROJ/TASK NR. 9769-37658

AFOSR TN 60-46
NEW YORK UNIV N Y
THE MAKE A SENTENCE TEST <MAST> A REPLICATION STUDY
J GEN PSYCH 65 269-292 1961
BY BORGATTA E F — DDC NR. —
CONTRACT NR. AF 49(638)-195
PROJ/TASK NR. 9778-37707

AFOSR TN 60-47
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
A CRYSTALLOGRAPHIC LEAST-SQUARES REFINEMENT PROGRAM FOR THE IBM 704 IDENTIFICATION PS XR3 OCT 1959
BY VAND V; PEPINSKY R — DDC NR. —
CONTRACT NR. AF 49(638)-416
PROJ/TASK NR. 9760-37601

AFOSR TN 60-48
NATIONAL BUREAU OF STANDARDS WASH 25 D C
PRESERVATION OF EDGE DETAIL DURING METALLOGRAPHIC SECTION PREPARATION<STUDIES OF HIGH TEMPERATURE REACTIONS> JUL 1960
BY HAYES W D; TIGHE N J; KIRKPARTRICK H B; SCHOONOVER I C — DDC NR. 243434
CONTRACT NR. CSO 680-59-3
PROJ/TASK NR. 9762-37621

AFOSR TN 60-49
OXFORD UNIV ENGLAND
THE RADIATION RESISTANCE OF AN ELEMENTARY DIPOLE IN ANISOTROPIC PLASMAS 1959
BY KOGELINIK H; MOTZ H<PI> — DDC NR. 232082
CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9768-37650

AFOSR TN 60-50
PRINCETON UNIV N J
MICROWAVE ABSORPTION AND MOLECULAR STRUCTURE IN LIQUIDS XXXII ANALYSIS OF THE RELAXATION TIMES OF N-ALKYL BROMIDES IN TERMS OF A DISTRIBUTION BETWEEN LIMITING VALUES
J PHY CHEM 64 880-885 JUL 1960
BY SMYTH C P — DDC NR. —
CONTRACT NR. AF 18(600)-1391
PROJ/TASK NR. 9760-37600

AFOSR TN 60-51
DUKE UNIV DURHAM NO CAR
MIXED BOUNDARY VALUE PROBLEMS IN MATHEMATICAL PHYSICS JAN 1960
BY SNEDDEN I N; LOCKETT F J; GERGEN J J — DDC NR. 231237
CONTRACT NR. AF 18(600)-1341
PROJ/TASK NR. 9783-37727

AFOSR TN 60-52
JOHNS HOPKINS UNIV BALTIMORE MD
THE EFFECT OF SUBSTITUTION ON THE IONIZATION POTENTIALS OF FREE RADICALS AND MOLECULES I A NEW SET OF CONSTANTS THE VALUE 1960
JACS 82 3262-3268 JUL 1960
BY KAUFMAN J J; KOSKI W S — DDC NR. 231045
CONTRACT NR. AF 18(600)-1526
PROJ/TASK NR. 9760-37600

AFOSR TN 60-53
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE HYDRATION OF EXO-CIS-3 6-ENDOMETHYLENE- 4 - TETRAHYDROPHTHALIC ANHYDRIDE
JACS 80 4341-4345 1958
BY BERSON J A — DDC NR. —
CONTRACT NR. AF 18(600)-1544
PROJ/TASK NR. 9760-37600

AFOSR TN 60-54
HARVARD UNIV CAMBRIDGE MASS
NETURAL CONVECTION ABOVE FIRES
J FLUID MECH 8 611-624 1960
BY MURGAI, M. P.; EMMONS, H. W. — DDC NR. 266041
CONTRACT NR. AF 49(638)-29
PROJ/TASK NR. 9751-37510

AFOSR TN 60-55
NORTH CAROLINS UNIV, CHAPEL HILL
THE ASYMPTOTIC POWER OF THE KOLMOGOROV TESTS OF GOODNESS OF FIT 1960
BY QUADE D.; HOEFFDING W. <P.I.> — DDC NR. 235096
CONTRACT NR. AF 49(638)-261
PROJ/TASK NR. 9752-37522

AFOSR TN 60-56
RIAS INC BALTIMORE MD
THE EXTENT OF ASYMPTOTIC STABILITY
PROC NAS 46 363-365 MAR 1960
BY LASALLE J P; LEFSCHETZ S — DDC NR. —
CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-57
RIAS INC BALTIMORE MD
FORCED OSCILLATIONS IN 3-SPACE FEB 1960
BY COLEMAN C; LEFSCHETZ S — DDC NR. 233807
CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-58
MARYLAND UNIV OF COLLEGE PARK
THE ROTATION OF DIATOMIC MOLECULES IN MOLECULAR CRYSTALS JAN 1960
BY MEYERS R D; KOHIN C; FERRELL R A — DDC NR. 233579
CONTRACT NR. AF 49(638)-399
PROJ/TASK NR. 9763-37631

AFOSR TN 60-59
REPUBLIC AVIATION CORP, FARMINGDALE, NY
EXPERIMENTAL INVESTIGATIONS OF ELECTROMAGNETICALLY INDUCED DETONATIONS PART I - PARAMETERS AFFECTING THE FORMATION OF THE PINCH NOV 1959
BY DONNER T.; ARONOWITZ, L.; KUNEN A. E.<P.I.> — DDC NR. 232020
CONTRACT NR. AF 49(638)-552
PROJ/TASK NR. 9752-37521

AFOSR TN 60-60
INTERPRETATION OF DIFFRACTOMETER LINE PROFILES DISTORTION DUE TO THE DIFFRACTION PROCESS
ACTA CRYSTAL 14 47-53 JAN 1961
BY LADELL J; PARRISH W — DDC NR. —
CONTRACT NR. AF 49(638)-620
PROJ/TASK NR. 9763-37631

AFOSR TN 60-61
MINNESOTA UNIV OF MINNEAPOLIS
SINGLE-DOMAIN PARTICLES NEW USES OF OLD THEOREMS
AMER J PHYS 28 542-551 SEP 1960
BY BROWN JR W — DDC NR. 232991
CONTRACT NR. AF 18(603)-113
PROJ/TASK NR. 9760-37601

AFOSR TN 60-62
PRINCETON UNIV N J
IONIC DISORDER IN MANGANOUS OXIDE DEC 1959
TRANS METAL SOC AIME 218 1134-1135 DEC 1960
BY BIRCHENALL C E — DDC NR. 232393
CONTRACT NR. AF 49(638)-533
PROJ/TASK NR. 9761-37611

AFOSR TN 60-63
ARMOUR RSCH FOUND CHICAGO ILL
ORGANIC SEMICONDUCTORS DEC 1959
BY LASKOWSKI D E; TOMPKINS F H; ADAMS G W; SOSNOVSKY C H — DDC NR. 232120
CONTRACT NR. AF 49(638)-576
PROJ/TASK NR. 9762-37621

AFOSR TN 60-64
MINNESOTA UNIV OF MINNEAPOLIS
EFFECT OF BOUYANCY FORCES ON MASS TRANSFER COOLING FEB 1960
BY EICHHORN E. — DDC NR. —
CONTRACT NR. AF 18(600)-1226
PROJ/TASK NR. 9781-37712

AFOSR TN 60-65
JOHNS HOPKINS UNIV BALTIMORE, MD
INTERFEROMETRIC DETERMINATION OF FAR INFRARED LINE WIDTHS JAN 1960
BY LOEWENSTEIN E. V.; STRONG, J. <P.I.> — DDC NR. 239730
CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR. 9768-37650

AFOSR TN 60-66
MINNESOTA UNIV OF MINNEAPOLIS
THE ROLE OF THE TRIPLET STATE IN REACTIONS SENSITIZED BY CHLOROPHYLL
FARADAY SOC DISUSSIONS NR 27 1959
BY LIVINGSTON R; PUGH A C — DDC NR. 233738
CONTRACT NR. AF 18(600)-1485
PROJ/TASK NR. 9763-37630

AFOSR TN 60-67
CALIFORNIA UNIV OF BERKELEY
AN OPTIMAL STRATEGY FOR A SATURATING SAMPLED-DATA SYSTEM DEC 1959
IRE TRANSACTIONS ON AUTOMATIC CONTROL AC-6 1-15 FEB 1961
BY DESOER C. A.; WING J. — DDC NR. 233739
CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR TN 60-68
WASHINGTON UNIV OF SEATTLE
S-TETRAZINE II INFRARED SPECTRA JAN 1960
BY SPENCER G H; CROSS P C; WIBERG K B — DDC NR. 233513
CONTRACT NR. AF 18(600)-1522
PROJ/TASK NR. 9760-37600

AFOSR TN 60-69
WASHINGTON UNIV OF SEATTLE
S-TETRAZINE I ELECTRONIC ABSORPTION SPECTRA AND IN PARTICULAR THE VISIBLE VIBRONIC AAND SYSTEMS UNDER HIGH RESOLUTION
BY SPENCER G H; CROSS P C; WIBERG K B — DDC NR. 233496
CONTRACT NR. AF 18(600)-1522
PROJ/TASK NR. 9760-37600

AFOSR TN 60-70
BAYLOR UNIV HOUSTON TEX
AUTOMATIC ANALYSIS OF THE ELECTROENCEPHALOGRAM A REVIEW AND CLASSIFICATION OF SYSTEM
ELECTROENCEPHALOGRAPHY & CLIN NEUROPHYSIOL J 11 827-837 NOV 1959
BY BURCH N R; LHAMON W T — DDC NR. 231220
CONTRACT NR. AF 18(603)-79
PROJ/TASK NR. 9778-37708

AFOSR TN 60-71
STANFORD UNIV CALIF
COMPUTATION OF WHISTLER RAY PATHS DEC 1959
BY YABNOFF I.; HELLIWELL, R. A.<P.I — DDC NR. 233130
CONTRACT NR. AF 18(603)-126
PROJ/TASK NR. 9768-37650

AFOSR TN 60-72
JOHNS HOPKINS UNIV BALTIMORE, MD
SUMBOLS MASS OF THE HYPERON
BY BRUCKER E. B. — DDC NR. 236318
CONTRACT NR. AF 18(603)-143
PROJ/TASK NR. 9750-37500

AFOSR TN 60-73
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
THE EXPERIMENTAL DEPENDENCE OF THE COLLISION-FREE SHOCK THICKNESS UPON ALFVEN MACH NUMBER
PHYS FLUIDS 3 321-325 MAR-APR 1960
BY PATRICK R. M. — DDC NR. —
CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9751-37510

AFOSR TN 60-75
BAYLOR UNIV HOUSTON TEX
ABSTRACT ORGANIC BINDING OF RADIOIODINE BY INCUBATED THYROID SEGMENTS FROM THE THYROXINE-PRETREATED GUINEA PIG A BASIS FOR A NEW THYROTROPIN ASSAY
FIRST INT CONG ENDO-CRINOLOGY COPENHAGEN JULY 1960 SESSION XIC P 1099
BY FORTIER C DDC NR, 249878
SCHNEIDER W J CONTRACT NR, AF 49(638)-384
PROJ/TASK NR, 9777-17701

AFOSR TN 60-76
BAYLOR UNIV HOUSTON TEX
ABSTRACT EFFECT OF THYROXINE PRETREATMENT ON UPTAKE AND ORGANIC BINDING OF I131 BY INCUBATED GUINEA PIG THYROID SEGMENTS
MEETING OF THE FEDERATION OF AMER SOC EXPER BIOL CHICAGO 11-14 APRIL 1960 AND PUBLISHED IN FEDERATION PROCEEDINGS VIN MAR 1960
BY FORTIER C DDC NR,
SCHNEIDER W J CONTRACT NR, AF 49(638)-384
PROJ/TASK NR, 9777-17701

AFOSR TN 60-78
CATHOLIC UNIV OF AMERICA, WASH DC
MASTER EQUATION SOLUTION OF ORNSTEIN-UHLENBECK PROCESSES
PHYSICA 26 689-691 1960
BY ROWEN J. I. DDC NR, 295866
MEIJER H. E. CONTRACT NR, AF 49(638)-692
PROJ/TASK NR, 9751-17711

AFOSR TN 60-79
CATHOLIC UNIV OF AMERICA, WASH DC
THE SOLUTION OF THE STEADY STATE DISTRIBUTION IN NON-EQUILIBRIUM PROCESSES ORNSTEIN-UHLENBECK PROCESSES RAREFIED GAS DYNAMICS, FD L TALROT, ACADEMIC PRESS, 1961 C 277-282
BY MEIJER P. H. E. DDC NR,
ROWEN J. I. CONTRACT NR, AF 49(638)-692
PROJ/TASK NR, 9751-17711

AFOSR TN 60-80
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
CONDITIONS FOR STEREOSPECIFIC OLEFIN-MERCAPTAN RADICAL ADDITIONS FEB 1960
BY [illegible] DDC NR, 252850
ALLEN P G CONTRACT NR, AF 49(638)-69?
PROJ/TASK NR, 9760-17600

AFOSR TN 60-81
UTAH UNIV OF SALT LAKE CITY
ANALYSIS AND DEVELOPMENT OF A LIGHT-GAS GUN FOR ACCELERATING PELLETS TO HYPERSONIC VELOCITIES OCT 1959
BY BOYD, R. F. DDC NR, 235936
CROW, B. W. CONTRACT NR, AF 49(638)-662
PALMER F. P. PROJ/TASK NR, 9791-17711
CANNON F. T.

AFOSR TN 60-82
PRINCETON UNIV NJ
SCALE EFFECTS IN TURBULENT SHOCK WAVE BOUNDARY LAYER INTERACTIONS
MIDWESTERN SIXTH CONFERENCE ON FLUID MECHANICS AUSTIN TEXAS SEP 59
BY HAMMITT A. G. DDC NR, 232973
BOGDONOFF S. <P.I.> CONTRACT NR, AF 49(638)-665
MIGHTS, S. PROJ/TASK NR, 9781-17712

AFOSR TN 60-83
PRINCETON UNIV NY
THE CALCULATION OF VELOCITY AND TEMPERATURE PROFILES THROUGH A WEAK NORMAL SHOCK WITH AN EXPANSION IN POWERS OF A SHOCK STRENGTH PARAMETER
BY SICHEL M. DDC NR, 239800
BOGDONOFF S. <P.I.> CONTRACT NR, AF 49(638)-665
PROJ/TASK NR, 9781-17712

AFOSR TN 60-84
DE PAUL UNIV CHICAGO ILL
THIOPHOSGENATION OF DIMETHYLAMMONIUM CHORIDE
J ORG CHEM 25 650-651 APR 1960
BY LIEBER E DDC NR,
TRIVEDI P CONTRACT NR, AF 49(638)-476
PROJ/TASK NR, 9760-17600

AFOSR TN 60-85
REPUBLIC AVIATION CORP, FARMINGDALE NY
THEORETICAL STUDIES FOR A PROBLEM IN ELECTROMAGNETICALLY INDUCED DEFORMATIONS NOV 1959
BY CHIMTZ, W. DDC NR, 252836
FOREMAN K. M. CONTRACT NR, AF 49(638)-952
LEVIN L. W. PROJ/TASK NR, 9752-17721
KUREN A. F. <P.I.>

AFOSR TN 60-86
REPUBLIC AVIATION CORP, FARMINGDALE, NY
SOME ENGINEERING ASPECTS OF THE MAGNETOHYDRODYNAMIC PINCH PROCESS FOR SPACE PROPULSION NOV 1959
BY GRANET I. DDC NR, 252830
GUMAN W. J. CONTRACT NR, AF 49(638)-952
KUREN A. F. <P.I.> PROJ/TASK NR, 9752-17721

AFOSR TN 60-87
NORTH CAROLINA UNIV OF CHAPEL HILL
INVARIANT COMMUTATORS FOR THE QUANTIZED GRAVITATIONAL FIELD JAN 1960
PHYS REV LTRS 4 317-320 TAR 1960
BY DEWITT B. S. DDC NR, 239967
CONTRACT NR, AF 49(638)-561
PROJ/TASK NR, 9776-17669

AFOSR TN 60-88
HARVARD UNIV CAMBRIDGE, MASS
STRUCTURE OF THE FORWARD SCATTERING AMPLITUDE 21 JAN 1960
PHYS REV 117 266-272 JAN 1960
BY SUDARSHAN, E. C. G. DDC NR, 261686
DESER, S. CONTRACT NR, AF 49(638)-989
DESER, S. CONTRACT NR, AF 49(638)-616
GILBERT W. PROJ/TASK NR, 9776-17669

AFOSR TN 60-89
HARVARD UNIV CAMBRIDGE, MASS
INTEGRAL REPRESENTATIONS OF TWO-POINT FUNCTIONS
PHYS REV 117 278-279 JAN 1960
BY SUDARSHAN E. C. G. DDC NR, 261700
DESER S. CONTRACT NR, AF 49(638)-989
DESER S. CONTRACT NR, AF 49(638)-616
GILBERT W. PROJ/TASK NR, 9776-17669

AFOSR TN 60-90
[illegible]
DIELECTRIC RELAXATION OF DILUTE SOLUTIONS IN THE MILLIMETER WAVE REGION
CHEM PHYS 32 664-668 MAR 1960
BY SCHNEIDER W. DDC NR,
GORDY, W.<P.I.> CONTRACT NR, AF [illegible]
PROJ/TASK NR, 9768-17690

AFOSR TN 60-91
CATHOLIC UNIV OF AMERICAL
AN LCAO STUDY OF B02
BY HAMPSON R. DDC NR, 251723
DOOLING J. S. CONTRACT NR, AF 18(600)-1597
GRIFFING, V.<P.I.> PROJ/TASK NR, 9761-17611

AFOSR TN 60-92
CATHOLIC UNIV OF AMERICA WASH DC
A MOLECULAR ORBITAL STUDY OF HYDROGEN SUPEROXIDE
BY FURLONG R. DDC NR, 282366
GRIFFING V. CONTRACT NR, AF 18(600)-1597
PROJ/TASK NR, 9761-17611

AFOSR TN 60-93
MINNESOTA UNIV OF, MINNEAPOLIS
POLYNOMIALS DEFINED BY A DIFFERENCE SYSTEM OCT 1959
BY BARTER G. DDC NR, 232620
CAMERON R. H. <P.I.> CONTRACT NR, AF 18(603)-10
PROJ/TASK NR, 9752-17722

AFOSR TN 60-96
JOHNS HOPKINS UNIV BALTIMORE MD
ANGULAR DISTRIBUTION OF E L-PESON SECONDARIES JAN 1960
BY BRUCKER E. B. DDC NR, 236519
PEVSNER A. CONTRACT NR, AF 18(603)-149
FAZIO J. M PROJ/TASK NR, 9760-17600
FAZIO G.
[illegible], P.

AFOSR TN 60-95
WAYNE STATE UNIV, DETROIT, MICH
CONFORMAL MAPS OF ALMOST HERMITIAN MANIFOLDS JAN 1960
TOHOKU MATH J 2D SER 12 110-131 APR 1960
BY GOLDBERG S. I. DDC NR, 232956
CONTRACT NR, AF 49(638)-1
PROJ/TASK NR, 9760-17690

AFOSR TN 60-97
DREXEL INST OF TECHNOLOGY, PHILADELPHIA, PA.
THE ROLE OF THE WATER BALANCE IN THE REDISTRIBUTION OF STRONTIUM IN THE SOIL 19 JAN 60
BY MAYNER J. R. DDC NR, 261891
THORNTHWAITE C.W.<P CONTRACT NR, AF 49(638)-609
PROJ/TASK NR, 9776-17669

AFOSR TN 60-99
ROCHESTER UNIV N Y
ELECTRON-HOLE PAIR PRODUCTION JAN 1960
BY DEXTER D L DDC NR, 253017
CONTRACT NR, AF 49(638)-69?
PROJ/TASK NR, 9760-17601

AFOSR TN 60-100
PENNSYLVANIA UNIV OF PHILADELPHIA
ON THE ORIGIN OF DEFORMATION BANDS
BY GUYARD R DDC NR, 282976
BADDIN R CONTRACT NR, AF 49(638)-639
KUHLMANN WILSDORF D PROJ/TASK NR, 9760-17601

AFOSR TN 60-101
MICHIGAN UNIV OF ANN ARBOR
EXCITATION TEMPERATURE OF CHROMIUM IN THE SHOCK TUBE JUN 1959
PHYS. FLUIDS,2 459-479 SEP-OCT 59
BY CHABRATIS G DDC NR,
WILLERSON T. D. CONTRACT NR, AF 49(638)-639
LA PORTE, O.<PI> PROJ/TASK NR, 9767

AFOSR TN 60-102
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
TRANSPORT PHENOMENA OF A RAREFIED AND FULLY IONIZED GAS IN THE PRESENCE OF PIZ A STRONG MAGNETIC FIELD FEB 1960
BY EGGA T DDC NR, 253080
CHU/AN P L CONTRACT NR, AF 18(603)-94
PROJ/TASK NR, 9781-17725

AFOSR TN 60-104
PONTIFICIA UNIV CATOLICA DO RIO DE JANEIRO, BRAZIL
SINGULARITIES OF LINEAR SYSTEM FUNCTIONS SEP 1960
BY GROSS B. DDC NR, 266691
CONTRACT NR, AF 49(638)-660
PROJ/TASK NR, 9781-17726

AFOSR TN 60-105
RUTGERS UNIV NEW BRUNSWICK N J
NUCLEAR MAGNETIC RESONANCE STUDY OF LEON JAN 1960
BY STREEVER JR R L DDC NR, 232621
CARR H Y CONTRACT NR, AF 18(603)-6
PROJ/TASK NR, 9760-17601

AFOSR TN 60-107
RUTGERS UNIV NEW BRUNSWICK N J
HIGH NEGATIVE NUCLEAR POLARIZATIONS IN SOLUTIONS OF FREE RADICALS JAN 1960
BY BENNETT L H DDC NR, 232622
TOBERY H C CONTRACT NR, AF 18(603)-6
PROJ/TASK NR, 9760-17601

AFOSR TN 60-108
NORTHWESTERN UNIV EVANSTON ILL
GRAIN BOUNDARY SLIDING VERSUS GRAIN BOUNDARY MIGRATION
IN CREEP DEC 1959
TRANS AIME 218 765-766 AUG 1960
BY BRITTAIN J O — DDC NR. 231829
ADSIT N R — CONTRACT NR. AF 18<600>-1598
PROJ/TASK NR. 9761-37611

AFOSR TN 60-109
[illegible] UNIV OF ANN ARBOR
CHEMICAL SINTERING OF BERTHOLLIDE COMPOUNDS
ROC 4TH IN 6 SYMPON REACTIVITY OF SOLIDS J H DE BOER ED
ELSEVIER 1960 83-90
BY PARRAVANO G — DDC NR. 251069
CONTRACT NR. AF 49<638>-493
PROJ/TASK NR. 9762-37621

AFOSR TN 60-110
INST FOR ADVANCED STUDY, PRINCETON, N.J.
PARTITIONS OF MASS-DISTRIBUTIONS AND
OF CONVEX BODIES BY HYPERPLANES JAN 1960
BY GRUNBAUM B. — DDC NR. 232950
MORSE, M.<P.I.> — CONTRACT NR. AF 49<638>-253
BEURLING, A <P.I.> — PROJ/TASK NR. 9783-37727

AFOSR TN 60-111
JOHNS HOPKINS UNIV BALTIMORE, MD
ON BOUNDARY VALUE PROBLEMS FOR SYSTEMS OF ORDINARY,
NON-LINEAR, SECOND ORDER DIFFERENTIAL EQUATIONS
ON THE DIFFERENTIATION OF A MULTIPLE INTEGRAL
DEPENDING ON A PARAMETER JAN 1960
BY HARTMAN P — DDC NR. 234918
CONTRACT NR. AF 18<603>-41
PROJ/TASK NR. 9783-37727

AFOSR TN 60-112
INST FOR ADVANCED STUDY, PRINCETON, N.J.
THE BACKWARD CAUCHY PROBLEM FOR PARABOLIC
DIFFERENTIAL INEQUALITIES JAN 1960
BY LEES M — DDC NR. 232949
MORSE, M.<P.I.> — CONTRACT NR. AF 49<638>-253
BEURLING, A. <P .I.> — PROJ/TASK NR. 9783-37727

AFOSR TN 60-113
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FIELD IONIZATION AND FIELD ION MICROSCOPY
ADVANCES IN ELECTRONICS V13 83-179
ACADEMIC PRESS 1960
BY MUELLER E W — DDC NR.
CONTRACT NR. AF 49<638>-504
PROJ/TASK NR. 9761-37611

AFOSR TN 60-114
MICHIGAN STATE UNIV EAST LANSING
SEARCH FOR THE NATURAL ALPHA ACTIVITY OF TUNSTEN
NUCLEAR PHYS 16,*591-596,* 1960
BY BEARD G. B. — DDC NR. 243173
KELLY W< H. — CONTRACT NR. AF 49<638>-10
PROJ/TASK NR. 9750-37500

AFOSR TN 60-115
WASHINGTON UNIV ST LOUIS MO
THE CHOHOMOLOGY THEORY OF A PAIR OF GROUPS APR 1960
BY HAIMO F — DDC NR. 235987
MACLANE S — CONTRACT NR. AF 49<638>-218
PROJ/TASK NR. 9783-37727

AFOSR TN 60-116
CALIFORNIA, UNIV OF BERKELEY,
SOME RIGOROUS ANALYTIC PROPERTIES OF TRANSITION
AMPLITUDES, 19 JANUARY 1960
NUOVO CIM SER 5,*15,*658-685,* FEB 1960
BY MANDELSTAM S — DDC NR. 236742
KARPLUS R — CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR TN 60-117
CALIFORNIA UNIV OF BERKELEY, CALIF
S-WAVE-DOMINANT SOLUTIONS OF THE PION-PION
INTEGRAL EQUATIONS NOV 1959
PHYS REV 119,*478-481,* JUL 1960
BY CHEW, G. F. — DDC NR. 233686
MANDELSTAM S — CONTRACT NR. AF 49<638>-327
KARPLUS R — PROJ/TASK NR. 9750-37500
NOYES H. P.

AFOSR TN 60-118
CALIFORNIA UNIV OF BERKELEY,
X-RAY YIELDS FROM MEASONIC ATOMS JANUARY 19, 1960
PHYS REV 118,*1632-1641,* JUN 1960
BY RUDERMAN M. A. — DDC NR. 233715
KARPLUS R — CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR TN 60-120
RADIO CORP OF AMERICA, PRINCETON N J
RESEARCH ON PLASMA ACCELERATION BY ELECTRIC FIELD
SEMI-ANNUAL TECHNICAL REPORT GRADIENT JUN 1960
BY HUTTER, E C — DDC NR.
CONTRACT NR. AF 49<638>658
PROJ/TASK NR. 9752-37521

AFOSR TR 60-122
WASHINGTON UNIV, ST. LOUIS, MO
PROTON HYPERFINE SPECTRA OF DIPHENYL PICRYL HYDRAZIL
32,*1584-1585,* MAY 1960
BY DEGUCHI Y — DDC NR. 257508
NORBERG, R . <P.I.> — CONTRACT NR. AF 49<638>-464
WEISSMAN, S. <P.I.> — PROJ/TASK NR. 9751-37511

AFOSR TN 60-123
WISCONSIN UNIV OF MADISON
DAILY LIGHT SENSITIVITY RHYTHM IN A RODENT
SCI 131 33-35 JAN 1960
BY DE COURSEY P — DDC NR.
CONTRACT NR. AF 49<638>-691
PROJ/TASK NR. 9777-37701

AFOSR TN 60-124
CALIFORNIA, UNIV OF BERKELEY, CALIF
DEVELOPMENT AND STRUCTURE OF PLANE DETONATION WAVES FEB 1960
COMBUSTION AND PROPULSION, 4TH AGARD
COLLOQUIUM, PERGAMON PRESS 1961 PP186-258
BY OPPENHEIM AK — DDC NR. 233940
STERN R. A. — CONTRACT NR. AF 49<638>-166
PROJ/TASK NR. 9751-37510

AFOSR TN 60-125
UPPSALA UNIV OF SWEDEN
OXIDE CHLORIDES AND ORGANOMETALLOID OXIDES AS DONOR
MOLECULES MAR 1960
BY LINDQVIST I — DDC NR. 234581
CONTRACT NR. AF 61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR TN 60-126
UPPSALA UNIV OF SWEDEN
INDUCTIVE EFFECTS ON CHEMICAL BONDS MAR 1960
BY LINDQVIST I — DDC NR. 234582
CONTRACT NR. AF 61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR TN 60-127
UPPSALA UNIV OF SWEDEN
METEROPOLAR AND HOMOPOLAR BOND ENERGY MAR 1960
BY LINDQVIST I — DDC NR. 234583
CONTRACT NR. AF 61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR TN 60-128
COPENHAGEN UNIV OF DENMARK
INFRARED ABSORPTION SPECTRA OF BENSONITRILE AND ITS
MONODEUTERATED DERIVATIVES
ZEIT JUR ELEKTROCHEMIE 64 560-562 1960
BY NIELSEN J T — DDC NR. 244376
BAK B — CONTRACT NR. AF 61<052>-73
PROJ/TASK NR. 9760-37600

AFOSR TN 60-129
COPENHAGEN UNIV OF DENMARK
MOLECULAR STRUCTURE CORRELATIONS
J CHEM PHYS 33 418-423 AUG 60
BY BAK B — DDC NR. 252305
HAUSEN NYGAARD L — CONTRACT NR. AF 61<052>-73
PROJ/TASK NR. 9760-37600

AFOSR TN 60-130
COPENHAGEN UNIV OF DENMARK
MICROWAVE DETERMINATION OF THE STRUCTURE OF ETHYL
FLUORIDE
SPECTROCHIMICA ACTA 16 376-383 1960
BY BAK B — DDC NR. 252299
DETONI S — CONTRACT NR. AF 61<052>-73
HANSEN NYGARD L — PROJ/TASK NR. 9760-37600
NIELSEN J T
RASTRUP ANDERSEN J

AFOSR TN 60-132
KAROLINSKA INST STOCKHOLM SWEDEN
NOTE ON THE DISTRIBUTION OF MINERAL SALTS AND BONE SEEKING
RADIOISOTOPES IN SPONGIOUS BONE TISSUE
EXPER CELL RSCH 15 265-268 1958
BY ENGSTROM A — DDC NR. 231685
BERGENDAHL G — CONTRACT NR. AF 61<052>-15
PROJ/TASK NR. 9777-37702

AFOSR TN 60-133
KAROLINSKA INST STOCKHOLM SWEDEN
THE PROJECTION X-RAY MICROSCOPE FOR DIVERGENT-BEAM
DIFFRACTION
J ULTRASTRUCTURE RSCH 1 261-268 1958
BY CARLSTROM D — DDC NR. 231686
LUNDBERG B — CONTRACT NR. AF 61<052>315
PROJ/TASK NR. 9777-37702

AFOSR TN 60-134
OHIO STATE UNIV COLUMBUS
MICROWAVE TUBE RESEARCH ON BARKHAUSEN-KURZ CAVITY-TYPE
OSCILLATORS AND A TRANSVERSE-FIELD TRAVELING WAVE TUBE
FINAL REPORT DEC 1959
BY DAVIS, T. — DDC NR. 232736
CHEN F S — CONTRACT NR. AF 19<600>-982
BOONE E. M. — PROJ/TASK NR. 9768-37650

AFOSR TN 60-135
ILLINOIS UNIV OF URBANA
MAGNETODYNAMIC DIPOLAR FERRITE MODES JAN 1960
BY STEIER W H — DDC NR. 232990
COLEMAN, P D <P.I.> — CONTRACT NR. AF 18<603>-62
PROJ/TASK NR. 9768-37650

AFOSR TN 60-136
ILLINOIS UNIV OF URBANA
THE ORGANIZATION OF COMPONENT RESPONSE ERROR EVENTS IN
TWO-DIMENSIONAL VISUAL TRACKING
J EXPER PSYCHOL 61 200-212 MAR 1961
BY ADAMS J A — DDC NR.
WEBBER C E — CONTRACT NR. AF 49<638>-371
PROJ/TASK NR. 9778-37706

AFOSR TN 60-137
IOWA STATE UNIV AMES
VIBRATIONAL TRANSITIONS AND THE INTERMOLECULAR POTENTIAL
JCHEIA PHYS 33,*91-95,* JUL 1960
BY AMME R C — DDC NR. 246184
LEGVOLD S — CONTRACT NR. AF 18<600>-1496
PROJ/TASK NR. 9751-37511

AFOSR TN 60-138
STANFORD UNIV CALIF
THE THEORY OF PROPAGATION OF RAYS IN AN INHOMOGENEOUS
AND ANISOTROPIC MEDIUM DEC 1959
BY BRANDSTATTER J. J. — DDC NR. 233108
HELLIWELL, R. A.<PI> — CONTRACT NR. AF 18<603>-126
PROJ/TASK NR. 9768-37650

AFOSR TN 60-139
STANFORD UNIV CALIF
A THEORY OF TRAPPING OF WHISTLERS IN FIELD-ALIGNED COLUMNS OF ENHANCED IONIZATIONS DEC 1959
BY SMITH R. L. HELLIWELL R. A. YABROFF I. W.
DDC NR. 233813
CONTRACT NR. AF 18<603>-126
PROJ/TASK NR. 9768-37650

AFOSR TN 60-140
INST FOR ADVANCED STUDY, PRINCETON, N.J.
A NON-LINEAR TWO-POINT BOUNDARY VALUE PROBLEM JAN 1960
BY LEES M MORSE, M. <P.I.> BEURLING, A.<P.I.>
DDC NR. 232948
CONTRACT NR. AF 49<638>253
PROJ/TASK NR. 9783-37727

AFOSR TN 60-141
STANFORD UNIV CALIF
LANDAU DAMPING OF CIRCUIT AND ION WAVES JAN 1960
BY STURROCK P. A. CHODOROW, M. <P.I.>
DDC NR. 233751
CONTRACT NR. AF 49<638>-415
PROJ/TASK NR. 9768-37650

AFOSR TN 60-142
ILLINOIS UNIV OF URBANA, ILL
DYNAMIC CROSSED-FIELD ELECTRON MULTIPLICATION
BY HOLSHOUSER D F
DDC NR. 282854
CONTRACT NR. AF 49<638>-556
PROJ/TASK NR. 9768-37650

AFOSR TN 60-146
PENNSYLVANIA UNIV UNIVERSITY PARK
THE CRYSTAL STRUCTURE OF FERREELECTRIC LIH3<SEO3>2
PHYS REV 119 1252-1255 AUG 1960
BY VEDAM K OKAYA Y PEPINSKY R
DDC NR.
CONTRACT NR. AF 18<603>-35
PROJ/TASK NR. 9763-37631

AFOSR TN 60-147
FERROELECTRIC TRANSITION IN RUBIDIUM BISULFATE
AFOSR TN 60-147
PENNSYLVANIC UNIV UNIVERSITY PARK
FERROELECTRIC TRANSITION IN RUBIDIUM BISULFATE
PHYS REV 117 1502-1503 MAR 1960
BY PEPINSKY R VEDAM K
DDC NR.
CONTRACT NR. AF 18<603>-35
PROJ/TASK NR. 9763-37631

AFOSR TN 60-148
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SOME NEW X-RAY AND NEUTRON STUDIES OF HYDROGEN BONDING
HYDROGEN BONDING PERGAMMON PRESS 29 JULY - 3 AUG 1957
BY PEPINSKY R
DDC NR.
CONTRACT NR. AF 18<603>-35
PROJ/TASK NR. 9763-37631

AFOSR TN 60-149
PENNSYLVANIA UNIV UNIVERSITY PARK
CRYSTAL STRUCTURE OF THE FERROELECTRIC PHASE IUOF <GLYCINE> 3. H2SO4
PHYS REV 115 329-330 JUL 1959
BY HOSHINO S OKAYA Y PEPINSKY R
DDC NR.
CONTRACT NR. AF 18<603>-35
PROJ/TASK NR. 9763-37631

AFOSR TN 60-150
RENSSELAER POLYTECHNIC INST TROY N Y
BUCKLING OF A COLUMN WITH RANDOM INITIAL DISPLACEMENTS
FEB 1960
BY BOYCE W E HANDLEMAN G H
DDC NR. 233299
CONTRACT NR. AF 18<600>-1586
PROJ/TASK NR. 9782-37717

AFOSR TN 60-151
STANFORD UNIV CALIF
A NEW MECHANISM FOR ACCELERATING ELECTRONS IN THE OUTER IONOSPHERE FEB 1960
BY HELLIWELL, R. A. BELL T. F.
DDC NR. 234472
CONTRACT NR. AF 18<603>-126
PROJ/TASK NR. 9768-37650

AFOSR TN 60-152
EFFECT OF STRAIN-RATE ON THE FLOW-STRESS OF F. C. C. METALS
OCT 1959
BY HIRSCH, P B MITCHELL T E THORNTON P R
DDC NR. 234224
CONTRACT NR. AF 61<052>-98
PROJ/TASK NR. 9760-37601

AFOSR TN 60-153
WASHINGTON UNIV ST LOUIS, MO
A TABLE OF CIRCULARLY POLARIZED GAMMA RAY COMPTON SCATTERING GROSS SECTION FEB 1960
BY PAUL D A L CONDON E U<PI>
DDC NR. 234098
CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 60-154
WASHINGTON UNIV ST LOUIS MO
THE APPROACH TO EQUILIBRIUM IN QUANTAL SYSTEMS,M MAGNETIC RESONANCE
PHYS REV 119 178-207 JUL 1960
BY SHER A PRIMAKOFF H CONDON E U<PI>
DDC NR. 234019
CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 60-155
ILLINOIS UNIV OF URBANA
AUTOMATIC DERIVATIVE SPECTROPHOTOMETRIC TITRATION OF EXCESS EDTA IN DETERMINATION OF COBALT, COPPER OR IRON
ANAL CHIM ACTA 23 288-293 1960
BY MALMSTADT H V HADJIOANNOU T P
DDC NR.
CONTRACT NR. AF 18<603>-137
PROJ/TASK NR. 9763-37600

AFOSR TN 60-156
ILLINOIS INST OF TECHNOLOGY CHICAGO
REACTION OF SILVER ACETYLIDE WITH ACYL PYRIDINIUM SALTS N-BENZOYL-2PHENYL-ETHYNYL-U 2-DIHYDROPYRIDINE DEC 1959
JACS 83 449-453 JAN 1961
BY MILLER S I
DDC NR. 234701
CONTRACT NR. AF 49<638>-39
PROJ/TASK NR. 9762-37620

AFOSR TN 60-157
SOUTH CAROLINA UNIV OF COLUMBIA
INTRAMOLECULAR FREE RADICAL ARYLATION AND RELATED REACTIONS
JACS 82 4969-4974 SEP 1960
BY DETAR D F CHU C
DDC NR. 231250
CONTRACT NR. AF 49<638>-88
PROJ/TASK NR. 9760-37600

AFOSR TN 60-158
FLORIDA STATE UNIV TALLAHASSEE
PROTON TRANSFER STUDIES BY NUCLEAR MAGNETIC RESONANCE. II RATE CONSTANTS AND MECHANISM FOR THE REACTION, CH3NH3 & 6OH 26NH2CH3, IN AQUEOUS ACID
J CHEM PHYS 33 556-563 AUG 1960
BY EMERSON, M T GRUNWALD E
DDC NR. 235155
CONTRACT NR. AF 49<638>-278
PROJ/TASK NR. 9760-37600

AFOSR TN 60-159
FLORIDA STATE UNIV TALLAHASSEE
PROTON TRANSFER STUDIES BY NUCLEAR MAGNETIC RESONANCE. I. 1. DIFFUSTION CONTROL IN THE REACTION OF AMMONIUM ION IN IN AQUEOUS ACID
J CHEM PHYS 33 547-555 AUG 1960
BY EMERSON M T GUNWALD E
DDC NR. 235140
CONTRACT NR. AF 49<638>-278
PROJ/TASK NR. 9760-37600

AFOSR TN 60-160
MINNESOTA UNIV OF MINNEAPOLIS
THE INFLUENCE OF NEGATIVE IONS ON THE AMBIPOLAR DIFFUSION OF ELECTRONS
J APPL PHYS31,*940, MAY 1960
BY OSKAM H J MITTLESTADT V R
DDC NR. 238343
CONTRACT NR. AF 49<638>-378
PROJ/TASK NR. 9768-37650

AFOSR TN 60-161
ATLANTIC RSCH CORP ALEXANDRIA VA
THE THERMAL DECOMPOSITION OF 2,2-AZOISOBUTANE
JACS 82 5314-5318 OCT 1960
BY LEVY, J B
DDC NR. 232818
CONTRACT NR. AF 49<638>-483
PROJ/TASK NR. 9763-37630

AFOSR TN 60-162
CALIFORNIA UNIV OF BERKELEY
AN LCAO TREATMENT OF THE ACIDITY OF HYDROCARBONS MAR 60
BY STREITWISER JR A
DDC NR. 233688
CONTRACT NR. AF 49<638>-105
PROJ/TASK NR. 9763-37630

AFOSR TN 60-164
NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN
DEC 1959 A NEW SOLUTION OF THE FINITE RISE TIME PROBLEM BY MEANS OF A DISTRIBUTED AMPLIFIER WITH AUTOMATIC GAIN CONTROL
BY JOHANSSON B BERGSTROM B I ASTROM, B.<P.I.>
DDC NR. 232064
CONTRACT NR. AF 61<052>-118
PROJ/TASK NR. 9750-37500

AFOSR TN 60-165
TECHNION RSCH & DEVEL FOUND, HAIFA ISRAEL
SEP 1959 EFFECT OF AXIAL CONSTRAINT ON THE INSTABILITY OF THIN CIRCULAR CYLINDRICAL SHELLS UNDER EXTERNAL PRESSURE
BY SINGER J
DDC NR. 232083
CONTRACT NR. AF 61<052>-123
PROJ/TASK NR. 9782-37717

AFOSR TN 60-166
WASHINGTON UNIV ST LOUIS, MO.
MOLECULAR IONS
J CHEM PHYS 31,1314-136 NOV 1959
BY VARNEY R N
DDC NR.
CONTRACT NR. AF 18<600>-1317
PROJ/TASK NR. 9767

AFOSR TN 60-167
STANFORD UNIV CALIF
A TEST OF APPROXIMATION METHODS IN POTENTIAL SCATTERING
NUOVO CIM 16 539 MAY 1960
BY BJORKEN J D GOLDBERG A SCHIFF L I<PI>
DDC NR. 233740
CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-168
HEBREW UNIV JERUSALEM ISRAEL
OPTICAL PROPERTIES OF PARAMAGNETIC SOLIDS AUG 1959
QUANTUM ELECTRONICS A SYMPOSIUM C H TOWES ED COLUMBIA UNIV PRESS 1960 P 410-427
BY LOW A
DDC NR. 233360
CONTRACT NR. AF 61<052>-59
PROJ/TASK NR. 9763-37631

AFOSR TN 60-169
SYRACUSE UNIV N Y
OBSERVATION OF A TWO-BODY DECAY MODE OF HE4 FEB 1960
BY HARTH E M LEITHNER J LICHTMAN S
DDC NR.
CONTRACT NR. AF 49<638>-588
PROJ/TASK NR. 9751-37512

AFOSR TN 60-170
SYRACUSE UNIV N Y
DATA ANALYSIS SYSTEM FOR BUBBLE CHAMBER PHOTOGRAPHS FEB 1960
BY HARTH E M LEITNER J RHEE Y I
DDC NR.
CONTRACT NR. AF 49<638>-588
PROJ/TASK NR. 9751-37512

AFOSR TN 60-171
JOHNS HOPKINS UNIV BALTIMORE, MD.
DIRECTIONAL SENSITIVITY FOR A FINITE HOT-WIRE ANEMOMETER FEB 1960
BY CORRSIN S.
DDC NR. 234946
CONTRACT NR. AF 49<638>-248
PROJ/TASK NR. 9781-37712

AFOSR TN 60-172
AERONAUTICAL RSCH ASSOCIATES OF PRINCETON NJ
BEHAVIOR OF SOLUTIONS OF THE NAVIER-STOKES EQUATIONS FOR A COMPLETE CLASS OF THREE-DIMENSIONAL VISCOUS VORTICES MAY 1960
BY DONALDSON C. P. — DDC NR. 237927
SULLIVAN R. D. — CONTRACT NR. AF 49(638)-255
PROJ/TASK NR. 9781-17717

AFOSR TN 60-173
NEW YORK UNIV N. Y.
ON THE PROPAGATION OF CYLINDRICAL SHOCK WAVES
EXPLODING WIRES. MACFARLANE, ED PLENUM PRESS 1959
PP 266-270
BY SAKURAI A. — DDC NR.
EFLLER, M.R. <P.I.> — CONTRACT NR. AF 49(638)-666
PROJ/TASK NR. 9781-17717

AFOSR TN 60-174
NEW YORK UNIV N. Y.
ON THE PROBLEM OF A SHOCK WAVE ARRIVING AT THE EDGE OF A GAS FEB 1960
COMM PURE AND APPL MATH 13,0359-370,0 AUG 1960
BY SAKURAI A. — DDC NR. 240756
EFLLER, M. R. <P.I.> — CONTRACT NR. AF 49(638)-666
PROJ/TASK NR. 9781-17717

AFOSR TN 60-175
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
QUANTITATIVE STUDIES OF HYDROLYTIC EQUILIBRIA
QUARTERLY REVIEWS 13 166-188 1959
BY SILLEN L G — DDC NR. 244626
CONTRACT NR. AF 61(052)-162
PROJ/TASK NR. 9760-17600

AFOSR TN 60-176
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
HYDROLYSIS OF LEAD II IN PERCHLORATE MEDIUM
ACTA CHEM SCAND 14 126-150 1960
BY OLIN A — DDC NR. 244627
SILLEN L G — CONTRACT NR. AF 61(052)-162
PROJ/TASK NR. 9760-17600

AFOSR TN 60-177
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
STUDIES ON THE HYDROLYSIS OF METAL IONS
#28 APPLICATION OF THE SELF-MEDIUM METHOD TO THE HYDROLYSIS OF LEAD(II) PERCHLORATE SOLUTION
ACTA CHEM SCAND 14 814-827 1960
BY OLIN A — DDC NR. 255003
SILLEN L G — CONTRACT NR. AF 61(052)-162
9760-17600

AFOSR TN 60-178
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
THE FIRST STEP IN THE ACIDIFICATION OF WO2+ EQUILIBRIA IN 3M NACIO 4 AT 25DC JUN 1960
BY SASAKI Y — DDC NR. 261960
SILLEN L G — CONTRACT NR. AF 61(052)-162
PROJ/TASK NR. 9760-17600

AFOSR TN 60-179
PURDUE UNIV LAFAYETTE IND
ON NEUTRAL SPIN-0 PARTICLES WITH IMAGINARY PARITY
NUC PHYS 21 681-695 1961
BY SPITZER R — DDC NR. 253887
EING, R W<P.I.> — CONTRACT NR. AF 18(600)-1479
PROJ/TASK NR. 9750-17500

AFOSR TN 60-182
CALIFORNIA UNIV OF BERKELEY
THE CHEMILUMINESCENCE OF ETHYLENE FORMED PROBABLY FROM METHYLENE IN AN INERT MATRIX
BY GOLDFARB T D — DDC NR. 253368
OTHENTEL A C — CONTRACT NR. AF 49(638)-1
PROJ/TASK NR. 9763-17630

AFOSR TN 60-183
STANFORD UNIV CALIF
HIGH ENERGY LIMIT OF FORM FACTORS
PHYS REV 119 663 JUL 1960
BY DRELL S D — DDC NR. 253763
ZACHARIASEN F — CONTRACT NR. AF 49(638)-188
SCHIFF, L I<P.I.> — PROJ/TASK NR. 9750-17500

AFOSR TN 60-184
STANFORD UNIV CALIF
COUPLED INTEGRAL EQUATIONS OFF THE NUCLEON AND PION ELECTROMAGNETIC FORM FACTORS
PHYS REV 119 438-448 JUL 1960
BY BAKER M — DDC NR. 253730
ZACHARIASEN F — CONTRACT NR. AF 49(638)-188
SCHIFF, L I<P.I.> — PROJ/TASK NR. 9750-17500

AFOSR TN 60-185
ROCHESTER UNIV OF N. Y.
ON KARDAR'S EXPANSION THEOREM FEB 1960
J OPT SOC AMER 50,0856-858,0SEP 1960
OPTICAL SOC AMER SPRING MTG APR 1960 WASH D. C.
BY MIYAMOTO K — DDC NR. 255440
HOPKINS, H. F. <P.I. — CONTRACT NR. AF 49(638)-602
WOLF, E. <P.I.> — PROJ/TASK NR. 9768-17650

AFOSR TN 60-186
ROCHESTER UNIV OF N Y
CORRELATION THEORY OF STATIONARY ELECTROMAGNETIC FIELDS
PART II.0 CONSERVATION LAWS
BY [illegible] P. — DDC NR. 239570
WOLF E. — CONTRACT NR. AF 49(638)-602
HOPKINS, H. F. <P.I. — PROJ/TASK NR. 9768-17650

AFOSR TN 60-187
MINNESOTA UNIV OF MINNEAPOLIS
DIFFUSION IN INHOMOGENEOUS MEDIA
J CHEM PHYS 33 122-127 JUL 1960
BY PRAGER S — DDC NR. 236586
CONTRACT NR. AF 49(638)-720
PROJ/TASK NR. 9760-17600

AFOSR TN 60-189
CALIFORNIA UNIV OF BERKELEY
NEW STUDIES OF MOLECULAR SCATTERING AT THE SOLID SURFACE AUG 1959
BY [illegible] P. C. — DDC NR. 228255
B CR D. F. — CONTRACT NR. N-ONR-222(65)
S.MAAF S. A. — PROJ/TASK NR. 9781-17717

AFOSR TN 60-190
PRINCETON UNIV N. J.
FREE MOLECULE FLOW OVER NON-CONVEX BODIES FEB 1960
BY COHEN I M — DDC NR.
BOGDONOFF, S. <P.I.> — CONTRACT NR. AF 49(638)-66
PROJ/TASK NR. 9781-17717

AFOSR TN 60-191
TORONTO UNIV OF CAN
LONGITUDINAL DYNAMICS OF LIFTING VEHICLE IN A CIRCULAR ORBIT FEB 1960
IAS NAT SUMMER MTG. LA. 28JUN-1JUL1960 IAS PAPER 60-82
BY [illegible] R T — DDC NR. 237868
CONTRACT NR. AF 49(638)-7
PROJ/TASK NR. 9781-17717

AFOSR TN 60-192
UPPSALA UNIV OF SWEDEN
THE TC
THE TORNARY COMPOUND SBC19 TIC16 IROC13 APR 1960
BY ADOLFSSON G — DDC NR. 240308
BERGTSE B — CONTRACT NR. AF 61(052)-63
LINDQVIST I — PROJ/TASK NR. 9760-17600

AFOSR TN 60-193
IST ELETTROTECNICO NAZIONALE TORINO ITALY
MAGNETIC VISOSITY AND ANNEALING IN MAGNETIC FIELD THEORY OF THE MAGNETIC VISCOSITY DUE TO SOLUTE ATOMPAIRS NOV 1959
BY RIORCI G — DDC NR. 233969
FERRO A — CONTRACT NR. AF 61(514)-1191
MORTALENTI, G — PROJ/TASK NR. 9760-17601

AFOSR TN 60-194
MARYLAND UNIV OF COLLEGE PARK
POINCARE CYCLES ERGODICITY AND IRREVERSIBILITY IN ASSEMBLIES OF COUPLED HARMONIC OSCILLATORS
J MATH PHYS 1 70-86 JAN FEB 1960
BY MAZUR P — DDC NR. 249977
MONTROLL E — CONTRACT NR. AF 18(600)-1115
CONTRACT NR. AF 61(052)-16
PROJ/TASK NR. 9751-17511

AFOSR TN 60-195
PRINCETON UNIV, N. J.
SURFACE DIFFUSION AND RECOMBINATION HYDROGEN ATOMS ON CLASS SECOND INTERNAT SYM. ON CATALYSIS PARIS JULY 1960
BY TSU E — DDC NR. 237208
BOUDART M — CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9741-17410

AFOSR TN 60-196
PRINCETON UNIV, N. J.
MOLECULAR PROBLEMS IN HEAT AND MASS TRANSFER.0
RECOMBINATION OF HYDROGEN ATOMS ON GLASS
BY TSU E — DDC NR. 239678
BOUDART M — CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9741-17410

AFOSR TN 60-197
NORTHWESTERN UNIV, EVANSTON, ILL
AN INTEGRAL TRANSFORM RELATED TO THE HILBERT TRANSFORM 1960
BY GOLDBERG R R — DDC NR. 233956
CONTRACT NR. AF 49(638)-183
PROJ/TASK NR. 9781-17717

AFOSR TN 60-198
NORTHWESTERN UNIV, EVANSTON, ILL
WATSON TRANSFORMS ON GROUPS 1960
BY GOLDBERG R R — DDC NR. 233957
CONTRACT NR. AF 49(638)-183
PROJ/TASK NR. 9781-17717

AFOSR TN 60-199
STANFORD UNIV CALIF
ON A POSSIBLE NEW EXPERIMENTAL TEST OF GENERAL RELATIVITY THEORY
BY SCHIFF L I — DDC NR. 233766
CONTRACT NR. AF 49(638)-188
PROJ/TASK NR. 9750-17500

AFOSR TN 60-200
NORTH CAROLINA UNIV OF CHAPEL HILL.
DEC.1959. EVALUATION OF DETERMINANTS, CHARACTERISTIC EQUATIONS AND THEIR ROOTS FOR A CLASS OF PATTERNED MATRICES
BY ROY, S. N. — DDC NR. 231755
GREENBERG, B. G. — CONTRACT NR. AF 49(638)-213
SARHAN A. E. — PROJ/TASK NR. 9769-17650
BOSE R C

AFOSR TN 60-201
MARYLAND UNIV OF COLLEGE PARK
MOBILITY OF AN ELECTRON IN THE DONOR IMPURITY BAND OF A COMPENSATED SEMICONDUCTOR FEB 1960
BY MARADUDIN A A — DDC NR. 236103
GOUBARY B S — CONTRACT NR. AF 18(600)-1115
MONTROLL, E. W.<P.I. — PROJ/TASK NR. 9751-17511

AFOSR TN 60-202
MARYLAND UNIV OF COLLEGE PARK
GREEN-S FUNCTIONS FOR MONATOMIC SIMPLE CUBIC LATTICES
NOV 1959
ACAD ROYALE DE BELGIQUE MEMOIRES-TOME SER T 1N DEC 60
BY MARADUDIN A A — DDC NR. 236104
MONTROLL E W — CONTRACT NR. AF 18(600)-1115
WEISS G H — PROJ/TASK NR. 9751-17511
HERMAN R
MILNER M W

AFOSR TN 60-203
ILLINOIS UNIV OF URBANA
ANELASTIC MEASUREMENTS OF DIFFUSION COEFFICIENTS MAR 1960
BY STANLEY J — DDC NR. 235947
WERT C — CONTRACT NR. AF 18<603>-22
PROJ/TASK NR. 9760-37601

AFOSR TN 60-204
POLYTECHNIC INST OF BROOKLYN N Y
POLYMORPHISM OF RARE EARTH DISILICIDES
J PHYS CHEM 63 2073-2074 1959
BY PERRI J A — DDC NR.
BANKS E — CONTRACT NR. AF 18<600>-1193
POST B — PROJ/TASK NR. 9760-37601

AFOSR TN 60-205
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
THE BREAKDOWN OF THE PROTECTIVE OXIDE FILM ON TRANSITION METAL ALLOYS
ACTA METALL 8 268-270 1960
BY SMELTZER W W — DDC NR.
POUND, G M<P.I.> — CONTRACT NR. AF 18<600>-1572
PROJ/TASK NR. 9761-37611

AFOSR TN 60-206
NORTHWESTERN UNIV EVANSTON ILL
DISLOCATION THEORY OF STRAIN AGING FEB 1960
BY MURA T — DDC NR. 233155
LAUTENSCHLAGER E — CONTRACT NR. AF 18<600>-1598
BRITTAIN J O — PROJ/TASK NR. 9761-37611

AFOSR TN 60-207
RENSSELAER POLYTECHNIC INST TROY N Y
STATISTICAL BIFURCATION OF FRICTION JAN 1960
BY LING F F — DDC NR. 234296
WEINER R S — CONTRACT NR. AF 49<638>-67
PROJ/TASK NR. 9761-37621

AFOSR TN 60-208
CALIFORNIA UNIV OF BERKELEY
A DIPHENYL ETHER CALORIMETER FOR MEASURING HIGH TEMPERATURE HEAT CONTENTS OF METALS AND ALLOYS MAR 1960
PHYS CHEM OF METALLIC SOLUTIONS AND INTERMETALLIC COMPOUNDS PROC SYMP # 9 NATL PHYS LAB LONDON 4-6 JUNE 1958 1 H P2-8
BY HULTGREN R — DDC NR. 238077
NEWCOMB P — CONTRACT NR. AF 49<638>-83
ORR R L — PROJ/TASK NR. 9760-37601
WARNER L

AFOSR TN 60-209
ATLANTIC RSCH CORP, ALEXANDRIA, VA.
FURTHER STUDIES OF PURE AMMONIUM PERCHLORATE DEFLAGRETION JAN 1960
8TH INT SYMPON COMB PP 663-672
BY LEVY J. B. — DDC NR. 233370
FRIEDMEN R. — CONTRACT NR. AF 18<600>-1502
PROJ/TASK NR. 9750-37501

AFOSR TN 60-210
PRINCETON UNIV N J
HYPERSONIC VISCOUS FLOW PAST A BLUNT BODY WITH AN APPLIED MAGNETIC FIELD, PART II AUG 59
BY CHING-SHENG WU — DDC NR. 235786
BOGDONOFF, S. <P.I.> — CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-37712

AFOSR TN 60-211
RADIO CORP OF AMERICA, PRINCETON, N J
DEC 1959 RESEARCH ON PLASMA ACCELERATION BY ELECTRIC FIELD GRADIENT
BY HUTLER E C — DDC NR. 232096
CONTRACT NR. AF 49<638>-658
PROJ/TASK NR. 9752-37521

AFOSR TN 60-212
AEROJET-GENERAL CORP, AZUSA, CALIF
DEC 1959, CHARGED-COLLOID PROPULSION SYSTEM
BY SCHULTZ, R. D. — DDC NR. 230620
BRANSON L. K. — CONTRACT NR. AF 49<638>-656
EDMONSON, R. B. <P.I PROJ/TASK NR. 4759-08

AFOSR TN 60-213
RUTGERS UNIV NEW BRUNSWICK, N J
THE SPHERICAL SUMMABILITY OF CONJUGATE MULTIPLE MULTIPLE FOURIER-STIELTJES SERIES FEB 1960
BY SHAPIRO V L — DDC NR. 234147
CONTRACT NR. AF 18<600>-1595
PROJ/TASK NR. 9752-37522

AFOSR TN 60-214
CALIFORNIA INST OF TECHNOLOGY PASADENA
A THEORY OF THE ROLE OF MAGNETIC ACTIVITY DURING STAR FORMATION
BY SCHATZMAN E — DDC NR. 234150
GREENSTEIN, J L <P.I CONTRACT NR. AF 49<638>-21
PROJ/TASK NR. 9774-37663

AFOSR TN 60-215
CALIFORNIA INST OF TECHNOLOGY PASADENA
ABUNDANCES IN G DWARF STARS IV- A REDETERMINATION OF THE ABUNDANCES IN G. DWAFS IN THE HYADES
ASTROPHYS J. 133,*101-106,* JAN 1961
BY PARKER R — DDC NR. 254066
GREENSTEIN, L. — CONTRACT NR. AF 49<638>-21
WALLERSTEIN G — PROJ/TASK NR. 9774-37663
HELFER H. L.

AFOSR TN 60-216
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE ABUNDANCE OF LITHIUM AND CONVECTIVE MIXING IN STARS OF TYPE K
ASTROPHYS J 130,*843-871,*1959
BY BONSACK W K — DDC NR.
GREENSTEIN, J L<P.I. CONTRACT NR. AF 49<638>-21
PROJ/TASK NR. 9774-37663

AFOSR TN 60-217
PURDUE UNIV LAFAYETTE IND
CHEMICAL EFFECTS ARISING FROM SELECTIVE SOLVATION
SELECTIVE SOLVATION AS A FACTOR IN THE ALKYLATION OF AMBIDENT ANIONS
JACS 82 1257 1960
BY KORNBLUM N — DDC NR. 238794
CONTRACT NR. AF 49<638>-324
PROJ/TASK NR. 9762-37620

AFOSR TN 60-218
WASHINGTON UNIV ST LOUIS, MO
SPIN EXCHANGE IN RADICALS
JCHFUI PHYS 33,*700-704,* SEP 1960
BY FEITZ D. G. — DDC NR. 257508
WEISSMAN S. I. — CONTRACT NR. AF 49<638>-464
NORBERG, R. <P.I.> — PROJ/TASK NR. 9751-37511

AFOSR TN 60-219
YESHIVA UNIV NEW YORK N Y
NONEQUILIBRIUM DISTRIBUTION FUNCTIONS IN A FLUID
PHYS FLUIDS 3,*325-338 MAY-JUNE 1960
BY LEBOWITZ, J. L. — DDC NR.
FRISCH H. L. — CONTRACT NR. AF 49<638>-753
HELFAND E. — PROJ/TASK NR. 9751-37511

AFOSR TN 60-222
YESHIVA UNIV NEW YORK N Y
SCALED PARTICLE THEORY OF FLUIDS
AM. PHYSICAL SOCIETY WASHINGTON, D. C. HAS BEEN SUBMITTE
BY HELFAND, E. — DDC NR.
FRISCH, H. L. — CONTRACT NR. AF 49<638>-753
REISS H. — PROJ/TASK NR. 9751-37511
LEBOWITZ J. L.

AFOSR TN 60-223
HARVARD UNIV CAMBRIDGE, MASS
ON THE DEGREE OF CONVERGENCE OF SEQUENCES OF EXTREMAL POLYNOMIALS AND OTHER EXTREMAL FUNCTIONS MAR 1960
BY WALSH J. L. — DDC NR. 244390
SINCLAIR A. — CONTRACT NR. AF 49<638>-845
PROJ/TASK NR. 9769-37658

AFOSR TN 60-224
CALIFORNIA INST OF TECHNOLOGY PASADENA
A SUMMARY OF THE THEORIES AND EXPERIMENTS ON PANEL FLUTTER 1960
<AGARI> MANUAL ON AERO-ELASTICITY V.1, CHAPT 7
BY FUNG Y. C. — DDC NR. 240284
SECHLER E. E. P.I.> — CONTRACT NR. AF 49<638>-220
PROJ/TASK NR. 9782-37718

AFOSR TN 60-225
PRINCETON UNIV N J
AN ANALZSIS OF THE EFFECTS OF PERFECT GAS PARAMETERS ON GAS TURBINE PER FORMANCE DEC 1959
BY HAMMITT A G — DDC NR. 240230
BOGDONOFF, S.<P.I.> — CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-37712

AFOSR TN 60-226
PRINCETON UNIV N J
DIMENSIONLESS PARAMETERS FOR VISCOUS SIMILARITY
J AERO/SP SCI 27,*720<* SEP 1960
BY HAMMIT A G — DDC NR. 235788
BOGDONOFF, S.<P.I.> — CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-37712

AFOSR TN 60-227
RIAS INC BALTIMORE MD
EXISTENCE THEOREMS FOR PERIODIC SOLUTIONS OF NONLINEAR DIFFERENTIAL SYSTEMS MAR 1960
BY CESARI L — DDC NR. 236445
LEFSCHETZ, S<P.I.> — CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-228
POLYTECHNIC INST OF BROOKLYN, N Y
COMPLEX CHEMICAL EQUILIBRIA BY MINIMIZING FREE ENERGY
JCHFUI PHYS 31,*263-264,* JULY 59
BY NAPHTALI L. M. — DDC NR. 233497
AGOSTA V D — CONTRACT NR. AF 49<638>-165
PROJ/TASK NR. 9751-37510

AFOSR TN 60-229
POLYTECHNIC INST OF BROOKLYN, N Y
EVAPORATION AND BREAK UP OF FUEL DROPLETS IN ONE-DIMENSIONAL GAS FLOW IN A COMBUSTION CHAMBER JAN 1960
BY NAPHTALI L. M. — DDC NR. 233498
BURSTEIN S. Z. — CONTRACT NR. AF 49<638>-165
AGOSTA V D — PROJ/TASK NR. 9751-37510

AFOSR TN 60-230
RIAS INC BALTIMORE MD
ON AUTOMATIC CONTROLS MAR 1960
BY LEFSCHETZ S — DDC NR. 277139
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-231
RIAS IN CBALTIMORE MD
ULTIMATE BOUNDEDNESS AND STABILITY UNDER PERTURBATIONS MAR 1960
BY [illegible] — DDC NR. 236446
LEFSCHETZ S — CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-232
RIAS INC BALTIMORE MD
PIECEWISE CONTINUOUS DIFFERENTIAL EQUATIONS MAR 1960
BY SEIBERT P — DDC NR. 236447
LEFSCHETZ S — CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-233
POLYTECHNIC INST OF BROOKLYN N Y
OPERATION OF THE DIODE MATRIX CODER DEC 1959
BY BELLMER W A — DDC NR. 234297
WEBER, F. <P.I.> — CONTRACT NR. AF 18<600>-1505
MARCUVITZ, N. <P.I.> — PROJ./TASK NR. 4751
TRUXAL, G.

AFOSR TN 60-234
PRINCETON UNIV. N J
OBSERVATIONS ON LIQUID SHEETS FORMED BY COLLIDING VERTICAL JETS FEB 1960
BY KOROS, RM — DDC NR. 237213
DECKERS JM — CONTRACT NR. AF 49<638>-32
BOUDART M. — PROJ./TASK NR. 9751-37510

AFOSR TN 60-235
AARHUS UNIV DENMARK
DEC 1959, ON CERTAIN CONVERGENCE PROPERTIES FOR COUENCES FOR INDICATORS
BY BARNDORFF-NIELSEN C. — DDC NR. 240328
CONTRACT NR. AF 61<052>-42
PROJ./TASK NR. 9769-37658

AFOSR TN 60-237
TRAINING CENTER EXPERIMENTAL AERODYNAMICS BRUSSELS, BELGIUM
LAMINAR SEPARATION IN SUPERSONIC FLOW WITH EMPHASIS ON 3 DIMENSIONAL PERTURBATIONS AT REATTACHMENT - FINAL REPORT FEB 1960
BY GINOUX J. J. — DDC NR. 236856
CONTRACT NR. AF 61<514>-993
PROJ./TASK NR. 9781-37712

AFOSR TN 60-238
OKLAHOMA STATE UNIV
ISOLATION OF CRYSTALLINE UREASE FEB 1960
BY GORIN G — DDC NR. 236821
BUTLER L G — CONTRACT NR. AF 18<603>-135
KATYAL J M — PROJ./TASK NR. 9777-37702
BUCKLEY J F

AFOSR TN 60-239
ILLINOIS UNIV OF URBANA
ON THE DETERMINATION OF DIFFUSION COEFFICIENTS IN CHEMICAL DIFFUSION
ACTA METAL 8 871-873 DEC 1960
BY BALLUFFI R W — DDC NR. 234188
CONTRACT NR. AF 18<603>-106
PROJ./TASK NR. 9760-37601

AFOSR TN 60-240
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
ROTATED TABULATION OF CHEMICAL NAMES HEXAGONAL CRYSTALS BARKER INDEX OF CRYSTALS VOL 1 PART II
BY VAND V — DDC NR.
PEPINSKY R — CONTRACT NR. AF 49<638>-416
PROJ./TASK NR. 9760-37601

AFOSR TN 60-241
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
CONCORDANCE OF CHEMICAL NAMES REPORT NL 2C AND LIST OF CHEMICAL NAMES ON CONTINUATION CARDS REPORT NO 2E OF HEXAGONAL CRYSTALS IN THE BARKER INDEX INDEX OF CYSTALS VOL 1 PART II FEB 1960
BY VAND V — DDC NR.
PEPINSKY, R — CONTRACT NR. AF 49<638>-416
PROJ./TASK NR. 9760-37601

PENNSYLVANIA STATE UNIV UNIVERSITY PARK
ROTATION AND CONCORDANCE OF WORDS IN TITLES OF NINE PHYSICAL REVIEW ARTICLES VOLUME 114 1959 FEB 1960
BY PEPINSKY R — DDC NR.
VAND V — CONTRACT NR. AF 49<638>-416
MANGANELLO T — PROJ./TASK NR. 9760-37601

AFOSR TN 60-243
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
HIGHER LEVEL CONCORDANCE REPORT NO 2A OF SPLIT WORDS OCCURRING IN CHEMICAL NAMES OF HEXAGONAL CRYSTALS IN THE BARKER INDEX OF CRYSTALS VOLUME 1 PART 22 FEB 1960
BY VAND V — DDC NR.
PEPINSKY R — CONTRACT NR. AF 49<638>-416
PROJ./TASK NR. 9760-37601

AFOSR TN 60-244
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
NEW METHODS FOR MEGA-ITEM INFORMATION RETRIEVAL USING SMALL-SCALE MACHINES FEB 1960
BY PEPINSKY R — DDC NR.
VAND V — CONTRACT NR. AF 49<638>-416
PROJ./TASK NR. 9760-37601

AFOSR TN 60-245
PRINCETON UNIV N J
SELF-DIFFUSION OF IRON AND SULPHUR IN FERROUS SULPHIDE MAR 1960
BY CONDIT R H — DDC NR. 237371
BIRCHENALL C E — CONTRACT NR. AF 49<638>-533
PROJ./TASK NR. 9761-37611

AFOSR TN 60-246
NORTHWESTERN UNIV EVANSTON ILL
PT 1 DIRECT ION EXCHANGE CHROMATOGRAPHY OF TISSUE EXTRACTS WITHOUT PRECIPITATION OF PROTEIN BY USE OF NON-IONIC DETERGENTS PT 2 MODIFIED RESINMETHOD FOR DETERMINATION OF RADIOIODINE CONVERSION RATIO
PT 1 BIOCHIM BIOPHYS ACTA 43 338-341 1960
PT 2 J LAB & CLIN MED 55 132-135 JAN 1960
BY DOWBEN R M — DDC NR. 247688
VENTURINI F — CONTRACT NR. AF 49<638>-321
STONE J E — PROJ./TASK NR. 9777-37702
CHECK B A
LIPTON M A

AFOSR TN 60-247
YALE UNIV NEW HAVEN CONN
THE EPOXIDATION OF SOME ALLYLIC ALCOHOLS
JACS 82 4891-4895 SEP 1960
BY SASSIVER M L — DDC NR. 233601
ENGLISH J — CONTRACT NR. AF 49<638>-37
PROJ./TASK NR. 9760-37600

AFOSR TN 60-248
MARYLAND UNIV OF COLLEGE PARK
AN OPTIMAL POINCARE INEQUALITY FOR CONVEX DOMAINS FEB 1960
BY PAYNE L E — DDC NR. 233371
WEINBERGER H F — CONTRACT NR. AF 49<638>-228
WEINSTEIN A — PROJ./TASK NR. 9783-37727

AFOSR TN 60-249
UNIV OF COLLEGE PARK
ON UNIQUENESS IN CAUCHY PROBLEMS FOR ELLIPTIC SYSTEMS OF EQUATIONS
COMMUNICATIONS ON PURE & APPL. MATHEMATICS 13,*593-607,* NOV 1960
BY DOUGLIS A — DDC NR. 235377
CONTRACT NR. AF 49<638>-590
PROJ./TASK NR. 9783-37727

AFOSR TN 60-250
WAYNE STATE UNIV DETROIT, MICH
HOELDER CONTINUITY AND INITIAL VALUE PROBLEMS OF MIXED TYPE DIFFERENTIAL EQUATIONS
COMM MATH. HELBITICI 33,*296-321,*1959
BY CHEN Y. W. — DDC NR.
CONTRACT NR. AF 49<638>-107
PROJ./TASK NR. 9769-37658

AFOSR TN 60-251
WAYNE STATE UNIV, DETROIT, MICH
ENTIRE SOLUTIONS OF A CLASS OF DIFFERENTIAL EQUATIONS OF MIXED TYPE
PURE & APPL. MATH 14,*229-255,* AUG 1961
BY CHEN Y. W. — DDC NR.
CONTRACT NR. AF 49<638>-107
PROJ./TASK NR. 9769-37658

AFOSR TN 60-252
UPPSALA UNIV OF SWEDEN
RESEARCH ON LOCALIZED RADIO-LESIONS PART III BLOOD VESSEL CHANGES FOLLOWING LOCAL IRRADIATION OF THE BRAIN WITH HIGH ENERGY PROTONS DEC 1959
BY LARSSON B — DDC NR. 23372
SVEDBERG T — CONTRACT NR. AF 61<514>-1247
PROJ./TASK NR. 9777-37700

AFOSR TN 60-253
UPPSALA UNIV OF SWEDEN
RESEARCH ON LOCALIZED RADIO-LESIONS PARTIV LABORATORY OBSERVATIONS ON THE REPRODUCTIVE BEHAVIOR OF THE PIGEON CCOLUMBA LIVIA DURING THE PRE-INCUBATORY PHASE OF THE BREEDING CYCLE MAR 1959
BY FABRICIUS E — DDC NR. 233373
JANSSON A — CONTRACT NR. AF 61<514>-1247
SVEDBERG T — PROJ./TASK NR. 9777-37700

AFOSR TN 60-254
UPPSALS UNIV OF SWEDEN
RESEARCH ON LOCALIZED RADIO-LESIONS PART V OBSERVATIONS ON PIGEONS DECEREBRATED WITH HIGH ENERGY PROTONS APR 1959
BY FABRICIUS E — DDC NR. 233374
LARSSON B — CONTRACT NR. AF 61<514>-1247
SVEDBERG T — PROJ./TASK NR. 9777-37700

AFOSR TN 60-255
TECHNISCHE HOCHSCHULE MUNICH, GERM
NOV 1959, NUMERICAL INVESTIGATIONS ON THE SOLUTION OF THE NON-LINEAR EQUATION OF SUPERSONIC FLOW BY FINITE DIFFERENCE METHODS <PART I<
BY SEEGMULLER G — DDC NR. 233375
SAUER R — CONTRACT NR. AF 61<514>-1080
PROJ./TASK NR. 9781-37712

AFOSR TN 60-256
TECHNISCHE HOCHSCHULE MUNICH GERM
DEC 1959, NUMERICAL APPROACH TO THE QUESTION OF STABILITY OF SUPERSONIC ENCLOSURES IN AN OTHERWISE SUBSONIC FLOW FIELD
BYRNER W — DDC NR. 233376
SAUER R — CONTRACT NR. AF 61<514>-1080
PROJ./TASK NR. 9781-37712

AFOSR TN 60-257
AERONAUTICAL RSCH INST OF SWEDEN
DEC 1959, AN EXPERIMENTAL INVESTIGATION OF SUPERSONIC WING BODY INTERFERENCE AND COMPARISON WITH SECOND-ORDER THEORY
BY DROUGGE G. — DDC NR. 233377
LANDAHL M. T. — CONTRACT NR. AF 61<052>-75
PROJ./TASK NR. 9781-37712

AFOSR TN 60-258
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
GROTH INSTITUTE SORT AND RETRIEVAL PROGRAMS SUITABLE FOR LARGE-SCALE MACHINES FEB 1960
BY PEPINSKY R — DDC NR.
VAND V — CONTRACT NR. AF 49<638>-416
PROJ./TASK NR. 9760-37601

AFOSR TN 60-259
MICHIGAN STATE UNIV EAST LANSING
THE 85 MINUTE ACTIVITY OF BA 139
NUCLEAR PHYS 19,*79-84,* 1960
BY KELLY W. H. — DDC NR. 249159
BEARD G. B. — CONTRACT NR. AF 49<638>-10
CHAFFEE W. B. — PROJ./TASK NR. 9750-37500
GONSER J. M.

AFOSR TN 60-260
STANFORD UNIV CALIF
SPIN DISTRIBUTION IN NAPHTHALENE NEGATIVE ION
J CHEM PHYS 32 1579 MAY 1960
BY TUTTLE JR T R — DDC NR. 240957
CONTRACT NR. AF 49<638>-482
PROJ./TASK NR. 9760-37600

AFOSR TN 60-262
WAYNE STATE UNIV DETROIT MICH
PREPARATION OF LARGE AREA SINGLE-CRYSTAL CUPROUS OXIDE
J APPL PHYS 31 1117-1121 JUN 1960
BY TOTH R S — DDC NR. 240471
KILKON R — CONTRACT NR. AF 18<600>-481
TRIVICH D — PROJ/TASK NR. 9761-37610

AFOSR TN 60-263
MICHIGAN UNIV OF ANN ARBOR
STUDIES IN SELECTION LEARNING II THE EFFECT OF INFORMATIVE AND UNINFORMATIVE CUES ON THE ACQUISITION AND RETENTION OF INTENTIONAL ITEMS OCT 1959
BY BURNSTEIN E — DDC NR. 231032
ZAJONC R B — CONTRACT NR. AF 49<638>-367
PROJ/TASK NR. 9778-37708

AFOSR TN 60-264
MICHIGAN UNIV OF ANN ARBOR
STUDIES IN SELECTION LEARNING III FACILITATION AND INTERFERENCE EFFECTS IN SELECTION LEARNING
BY BURNSTEIN E — DDC NR. 233378
ZAJONC R B — CONTRACT NR. AF 49<638>-367
PROJ/TASK NR. 9778-37708

AFOSR TN 60-265
MICHIGAN UNIV OF ANN ARBOR
STUDIES IN SELECTION LEARNING IV ACQUISITION AND RETENTION OF INCIDENTAL ITEMS IN SELECTION LEARNING OCT 1959
BY BURNSTEIN E — DDC NR. 233379
ZAJONC R B — CONTRACT NR. AF 49<638>-367
PROJ/TASK NR. 9778-37708

AFOSR TN 60-268
CALIFORNIA UNIV OF BERKELEY
HEAT TRANSFER, RECOVERY FACTOR AND PRESSURE DISTRIBUTIONS AROUND A CIRCULAR CYLINDER NORMAL TO A SUPERSONIC RAREFIED AIR STREAM, PART II-COMPARISON OF EXPERIMENT WITH THEORY MAY 1959
BY TEWFIK O E — DDC NR. 217961
SCHAAF S. A. <P.I.> — CONTRACT NR. N-ONR-222<45>
PROJ/TASK NR. 9781-37712

AFOSR TN 60-269
STANFORD RSCH INST MENLO PARK CALIF
THE INTERACTION OF SLOW ELECTRONS WITH INSULATING CRYSTALS I THE ABSORPTION COEFFICIENT FOR PURE AND IRRADIATED MGO MAR 1960
BY COOK C J — DDC NR. 234921
FREDERICKS W J — CONTRACT NR. AF 49<638>-353
WISE H — PROJ/TASK NR. 9760-37601

AFOSR TN 60-270
RIAS M BALTIMORE MD
ON THE METHOD OF AVERAGING MAY 1960
SPECIAL NONLINEAR ISSUE OF THE IRE
CT 7 517-519 DEC 1960
BY KALE J K — DDC NR. 238404
LEFSCHETZ S — CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-272
WAYNE STATE UNIV DETROIT, MICH
ON THE HOMOTOPY PROPERTIES OF THE MAPPING SPACE X SP
PROC AMER MATH SOC 11,*896-904,* DEC 1960
BY KOH S — DDC NR. 235378
SZE-TSEN HU — CONTRACT NR. AF 49<638>-179
PROJ/TASK NR. 9769-37658

AFOSR TN 60-273
HARVARD UNIV CAMBRIDGE MASS
SYNTHESIS AND CLEAVAGE OF PERFLUOROVINYLTIN COMPOUNDS
JACS 82 6232-6235 DEC 1960
BY KAESZ H D — DDC NR. 235852
STAFFORD S L — CONTRACT NR. AF 49<638>-518
STONE F G A — PROJ/TASK NR. 9762-37630

AFOSR TN 60-274
HARVARD UNIV CAMBRIDGE MASS
PREPARATION AND STUDY OF SOME PERFLUOROALKYL COMPOUNDS OF TIN AND LEAD
JASC 82 6228-6231 DEC 1960
PRES 137TH NAT MTG ACS CLEVELAND O 1960
BY KAESZ H D — DDC NR. 235852
PHILLIPS J R — CONTRACT NR. AF 49<638>-518
STONE F G A — PROJ/TASK NR. 9762-37620

AFOSR TN 60-275
ROCHESTER UNIV OF N Y
CORRELATION BETWEEN PHOTONS IN PARTIALLY POLARIZED LIGHT BEAMS
PROC PHYS SOC 76,*424-426,* 1960
OPTICAL SOC AMER SPRING MTG WASH D C APR 1960
BY WOLF E. — DDC NR. 255649
HOPKINS, R. E.<P.I.> — CONTRACT NR. AF 49<638>-602
PROJ/TASK NR. 9768-37650

AFOSR TN 60-276
CAMBRIDGE, UNIV ENGLAND
JAN, 1960, PHYSICAL LIMITATIONS TO DISPERSION RELATIONS
AM OF PHYS 10,*516-535,* AUG 1960
BY TAYLOR J G — DDC NR. 234217
HAMILTON J — CONTRACT NR. AF 61<052>-233
PROJ/TASK NR. 9750-37500

AFOSR TN 60-277
CAMBRIDGE, UNIV ENGLAND
JAN, 1960, ANALYTIC PROPERTIES OF PERTURBATION THEORY
BY POLKINGHORNE J. C. — DDC NR. 234223
SCREATON G. R. — CONTRACT NR. AF 61<052>-233
HAMILTON J — PROJ/TASK NR. 9750-37500

AFOSR TN 60-278
CAMBRIDGE UNIV ENGLAND
JAN, 1960, SINGLE PARTICLE SINGULARITIES IN SCATTERING AND PRODUCTION AMPLITUDES
BY GUNSON J — DDC NR. 234216
TAYLOR J G — CONTRACT NR. AF61<052>-233
HAMILTON J — PROJ/TASK NR. 9750-37500

AFOSR TN 60-279
OXFORD UNIV ENGLAND
TRANSVERSE COMPRESSION WAVES IN A STABILISED DISCHARGE
PHYS FLUIDS 3 33-39 JAN FEB 1960
BY REAGAN D — DDC NR. 234220
MOTZ H<P!> — CONTRACT NR. AF 61<514>-1183
PROJ/TASK NR. 9768-37650

AFOSR TN 60-280
OXFORD UNIV ENGLAND
HARMONICS FROM A MICROWAVE GAS DISCHARGE 1960
BY BIERRUM N R — DDC NR. 234219
WALSH D — CONTRACT NR. AF 61<514>-1183
MOTZ JC<P!> — PROJ/TASK NR. 9768-37650

AFOSR TN 60-281
TECHNION RSCH & DEVEL FOUND HAIFA ISRAEL
DEC, 1959, ON THE EXTREMA OF THE FREQUENCIES OF NONHOMOGENEOUS STRINGS WITH EQUIMEASURABLE DENSITY
J MATH&MECH 10,*401-422,* 1961
BY SCHWARZ B — DDC NR. 234519
CONTRACT NR. AF 61<052>-194
PROJ/TASK NR. 9783-37727

AFOSR TN 60-282
CALIFORNIA UNIV OF, BERKELEY,
PROPERTIES OF SOLUTIONS OF PARABOLIC EQUATIONS AND INEQUALITIES MAR 1960
BY PROTTER M. H. — DDC NR. 234945
CONTRACT NR. AF 49<638>-398
PROJ/TASK NR. 9783-37727

AFOSR TN 60-283
PRINCETON UNIV, PRINCETON, N J
ANALYTIC SPACES, PART I,
BY ROSII H — DDC NR. 234814
CONTRACT NR. AF 49<638>-692
PROJ/TASK NR. 9783-37727

AFOSR TN 60-284
ROCHESTER UNIV OF N Y
A REFLECTOMETER FOR THE VACUUM ULTRAVIOLET
J OPT SOC AMER 50 862-867 SEP 1960
BY SMITH A — DDC NR. 234920
DEXTER D L — CONTRACT NR. AF 49<638>-433
PROJ/TASK NR. 9761-37611

AFOSR TN 60-285
REACTION MOTORS DIV, THIOKOL DENOILLE N J
IONIZATION IN ROCKET FLAMES 1960
8TH INTER SYMPON COMB
BY SIMINSKI JM — DDC NR. 236915
WOLFHARD H G — CONTRACT NR. AF 49<638>-305
PROJ/TASK NR. 9752-37521

AFOSR TN 60-286
AMERICAN INST FOR RSCH PITTSBURGH PA
SURVEY OF CUEING METHODS IN EDUCATION AND IN AUTOMATED PROGRAMS AND APPENDIX I MAY 1960
BY BRIGGS L J — DDC NR. 238967
LUMSDAINE A A — CONTRACT NR. AF 49<638..681
PROJ/TASK NR. 9778-37706

AFOSR TN 60-287
CALIFORNIA INST OF TECHNOLOGY PASADENA CALIF
ELECTRODE BOUNDARY LAYERS IN DIRECT CURRENT PLASMA ACCELERATORS JAN 1960
MARBLE F E — CONTRACT NR. AF 49<638>-758
PROJ/TASK NR. 9751-37510

AFOSR TN 60-288
COLLEGE PARK UNIV OF MARYLAND
LIFETIMES OF GEOMAGNETICALLY TRAPPED PARTICLES DETERMINED BY COULOMB SCATTERING 1960
BY KERREBROCK J L — DDC NR. 236083
BY WENTWORTH R C — DDC NR. 235186
SINGER, S F <P.I.> — CONTRACT NR. AF 49<638>-530
PROJ/TASK NR. 9774-37665

AFOSR TN 60-289
CORNELL UNIV ITHACA N Y
DETERMINATION OF SURFACE STRUCTURE USING ULTRA-HIGH VACUUM REPLICATION
J APPL PHYS 31 1458-1462 AUG 1960
BY BACHMANN L — DDC NR.
ORR W H — CONTRACT NR. AF 18<600>-674
RHODIN T N — PROJ/TASK NR. 9761-37611
SIEGFL R W
BRADLEY R C

AFOSR TN 60-290
UNIV OF MARYLAND COLLEGE PARK
BOUNDARY-LAYER TRANSITION INDUCED BY A VIBRATING RIBBON ON FLAT PLATE FEB 1960
PROC 1960 HEAT TRANSFER AND FLUID MECHANICS INST, STANFORD U PRESS, 1960 PP 92-105
BY HAMA F. R. — DDC NR. 233719
CONTRACT NR. AF 49<638>-645
PROJ/TASK NR. 9781-37712

AFOSR TN 60-291
AVCO EVERETT RSCH LABORATORY EVERETT, MASS
HALL EFFECTS IN A LAMINAR BOUNDARY LAYER OF THE HARTMAN TYPE DEC 1959
BY FAY J A — DDC NR. 236654
NPNXZ,WC,ZS, *P,I.> — CONTRACT NR. AF 49<638>-659
PROJ/TASK NR. 4759-11

AFOSR TN 60-292
MARYLAND UNIV OF COLLEGE PARK
SOME ISOPERIMETRIC INEQUALITIES FOR MEMBRANE FREQUENCIES AND TORSIONAL FEB RIGIDITY FEB 1960
J MATH ANAL & APPL 2 210-216 APR 1961
BY PAYNE L E — DDC NR. 234089
WEINBERGER H F — CONTRACT NR. AF 49<638>-228
WEINSTEIN A — PROJ/TASK NR. 9783-37727

AFOSR TN 60-294
PARIS UNIV OF FRANCE
THE AXIAL VECTOR CURRENT IN BETA DECAY 1960
NUOVO CIM SER X 16 705
BY FEYNMAN R P — DDC NR. 234628
GELL-MANN M — CONTRACT NR. AF 61<052>-173
LEVY M — PROJ/TASK NR. 9750-37500

AFOSR TN 60-295
NOBEL INST. OF PHYSICS, STOCKHOLM, SWEDEN
FEB. 1960. THE OSCILLOSCOPE METHOD OF MEASURING
NUCLEAR HALF-LIVES
BY BERGSTROM, I. — DDC NR. 234629
BONACALZA, F. — CONTRACT NR. AF 61<052>-118
JECH, A. — PROJ/TASK NR. 9750-37500
PEREZ, M.
THIERBERGER P.
ASTROM B

AFOSR TN 60-297
NEW YORK UNIV N Y
EQUATION OF STATE AND PHASE TRANSITION OF THE SPHERICAL
LATTICE GAS FEB 60
PHYS RE: 120,*22-32,*,* OCT 1960
BY PRESSMAN W — DDC NR. 235375
KELLER JB — CONTRACT NR. AF 49<638>-341
KRAICHMAN R H — PROJ/TASK NR. 9768-37650
KLINE, M. <P,I,>

AFOSR TN 60-298
HULL UNIV ENGLAND
THE INHIBITION OF THE HYDROGEN-OXYGEN REACTION BY
METHANE MAR 1960
BY CORNEY N S — DDC NR. 241393
WALKER R W — CONTRACT NR. AF 61<052>-62
PROJ/TASK NR. 9751-37510

AFOSR TN 60-299
MILAND UNIV OF ITALY
ELECTROCHEMICAL BEHAVIOUR OF OXYGEN AND HYDROGEN PEROXIDE
ON SILVER ELECTRODE MAY 1960
BY IANCHI G B — DDC NR. 242313
CAPRIOGLIO G — CONTRACT NR. AF 61<052>-260
MALAGUZZI S — 9761-37610
MAZZA F
MUSSINI T

AFOSR TN 60-300
CALIFORNIA UNIV OF, BERKELEY,
ASYMPTOTIC BEHAVIOR AND UNIQUENESS THEOREMS FOR HYPERBOLIC
EQUATIONS AND INEQUALITIES 1960
BY PROTTER M, H. — DDC NR. 235217
CONTRACT NR. AF 49<638>-398
PROJ/TASK NR. 9783-37727

AFOSR TN 60-301
POLYTECHNIC INST OF BROOKLYN N Y
THE INFLUENCE OF THE SHOCK CURVATURE ON THE BEHAVIOR OF
HYPERSONIC BOUNDARY LAYER FEB 1960
BY FERRI A — DDC NR. 236242
CONTRACT NR. AF 49<638>-445
PROJ/TASK NR. 9781-37712

AFOSR TN 60-303
MARYLAND UNIV OF COLLEGE PARK
FINAL STATE INTERACTIONS AND 1/2 RULE
PHYS REV 119,*1126-1127,* AUG 1960
BY CHADAN K. — DDC NR. 235033
ONEDA S. — CONTRACT NR. AF 49<638>-24
STROLL, J. <P,I,> — PROJ/TASK NR. 9751-37512

AFOSR TN 60-304
MARYLAND UNIV OF COLLEGE PARK
ON THE DECAY INTERACTION OF STRANGE PARTICLES FEB. 1960
NUCL PHYS 16 72 1960
BY SAKITA B. — DDC NR. 234727
TOLL, J. S. <P,I,> — CONTRACT NR. AF 49<638>-24
PROJ/TASK NR. 9751-37512

AFOSR TN 60-306
MARYLAND UNIV OF COLLEGE PARK
DETERMINATION OF K -N P-WAVE PHASE SHIFTS FROM K -D
RFACTIONS
IL NUOVOCIM 16,*770,* 1960
BY DAY T. B. — DDC NR. 234300
RODBERG, L. S. — CONTRACT NR. AF 49<638>-24
SNOW G. A. — PROJ/TASK NR. 9751-37512
SUCHER J.

AFOSR TN 60-307
WEIZMANN INST OF SCI REHOVOTH ISRAEL
ON A MODIFIED BETHE-GOLDSTONE EQUATION FEB 1960
BY KATZ A — DDC NR. 234518
DE SHALIT A — CONTRACT NR. AF 61<052>-337
LIPKIN H J — PROJ/TASK NR. 9750-37500

AFOSR TN 60-308
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC AND OPTICAL SPECTRA OF YTTERBIUM IN THE CUBIC
FIELD OF CALCIUM FLUORIDE
PHYS REV 118 1608-1609 JUN 1960
BY LOW W — DDC NR. 236303
CONTRACT NR. AF 61<052>-59
PROJ/TASK NR. 9763-37631

AFOSR TN 60-309
IST ELETTROTECNICO NAZIONALE TORINE ITALY
EFFECT OF NEUTRON BOMBARDMENT ON THE MAGNETIC PROPERTIES
OF IRON AND NICKEL OF VERY HIGH PERMEABILITY II DEC 1959
BY BIORCI G — DDC NR. 234585
FERRO A — CONTRACT NR. AF 61<514>-1331
MONTALENTI G — PROJ/TASK NR. 9760-37601

AFOSR TN 60-311
WAYNE STATE UNIV DETROIT MICH
U/F NOISE IN SINGLE-CRYSTAL GERMANIUM FILAMENTS MAR 1960
BY NOBLE V E — DDC NR. 237104
THOMAS JR J E — CONTRACT NR. AF 49<638>-158
PROJ/TASK NR. 9761-37611

AFOSR TN 60-312
WAYNE STATE UNIV DETROIT MICH
THE ARC IMAGE FURNACE FOR GROWING SEMICONDUCTOR
CRYSTALS MAR 1960
BY POPLAWSKY R P — DDC NR. 239133
THOMAS JR J E — CONTRACT NR. AF 49<638>-158
PROJ/TASK NR. 9761-37611

AFOSR TN 60-313
WAYNE STATE UNIV DETROIT MICH
OBSERVATIONS OF SURFACE TRANSVERSE MAGNETORESISTANCE
EFFECTS IN N-TYPE GERMANIUM MAR 1960
BY ALBERS JR W A — DDC NR. 239134
THOMAS JR J E — CONTRACT NR. AF 49<638>-158
PROJ/TASK NR. 9761-37611

AFOSR TN 60-314
IST NAZIONALE DI OTTICA ITALY
ON THE FACTORS WHICH AFFECT THE CONTRAST ENHANCEMENT
IN A FIGURE WITH QUASI PERCEPTIVE CONTOURS AND A PRACTICAL
APPLICATION OF SUCH A FIGURE
ATTI DELLA FONDAZIONE G RONCHI 14 495-508 SET-OTT 59
BY RONCHI L — DDC NR. 234218
MORI G F — CONTRACT NR. AF 61<052>-80
TORALDI DI FRANCIA G — PROJ/TASK NR. 9777-37701

AFOSR TN 60-315
STANFORD UNIV CALIF
IDENTIFICATION OF WHISTLER SOURCES ON VISUAL RECORDS AND
A METHOD OF ROUTINE WHISTLER ANALYSIS MAR 1960
BY CARPENTER D. L. — DDC NR. 235426
HELLIWELL, R ACP,I,> — CONTRACT NR. AF 18<603>-126
PROJ/TASK NR. 9768-37650

AFOSR TN 60-317
LABORATOIRE MEDITERANEEN DE RECH THERMODYN NICE FRANCE
DEC. 1959. THE SPUTTERING OF MOLECULES OF A THIN LAYER BY A
LOW DENSITY SUPERSONIC FLOW IN FREE MOLECULAR REGIME
BY DEVIENNE, F. M. — DDC NR. 236320
FORESTIER G. M. — CONTRACT NR. AF 61<052>-124
PROJ/TASK NR. 9781-37712

AFOSR TN 60-319
ROCHESTER UNIV OF N Y
H-LINE PROFILES AT HIGH GALACTIC LATITUDES
ASTRON J 65,*1-20,* FEB 1960
BY ERICKSON W. C. — DDC NR. 254001
HELFER H. L. — CONTRACT NR. AF 49<638>-52
SABEDOFF, M P<P,I,> — PROJ/TASK NR. 9774-37663

AFOSR TN 60-320
STANFORD UNIV CALIF
HEAT CONJUCTION AND THERMAL STRESSES IN A SOLID
HAVING UNEQUAL SPECIFIC HEAT FEB 1960
BY PARKES E. W. — DDC NR. 238410
HOFF, N. J. <P,I,> — CONTRACT NR. AF 49<638>-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-321
STANFORD UNIV CALIF
THE STRESSES IN AN ELASTO-PLASTIC BAR SUBJECTED TO A
SUDDEN CHANGE OF SURFACE TEMPERATURE JAN 1960
BY PARKES E. W. — DDC NR. 238411
HOFF, N. J. <P,I,> — CONTRACT NR. AF 49<638>-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-322
NEW YORK UNIV N Y
A SPECIAL HILL-S EQUATION WITH DISCONTINUOUS
COEFFICIENTS MAR 1960
BY HOCHSTADT H — DDC NR. 236608
KLINE M — CONTRACT NR. AF 49<638>-229
PROJ/TASK NR. 9769-37658

AFOSR TN 60-323
CALIFORNIA UNIV OF BERKELEY
DYNAMICAL CONSEQUENCES OF THE K6-K* MASS DIFFERENCE
NUOVO CIMO SER X 18 282-286 OCT 1960
BY FRYE G. — DDC NR. 255780
KARPLUS R. <P,I,> — CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR TN 60-324
POLYTECHNIC INST OF BROOKLYN NY
VIBRATIONS OF PLASTIC SANDWICH CYLINDRICAL SHELLS JAN 1960
BY YU Y. — DDC NR. 235026
CONTRACT NR. AF 49<638>-453
PROJ/TASK NR. 9782-37717

AFOSR TN 60-325
MELLEN INST PITTSBURGH PA
INTERMOLECULAR COUPLING OF VIBRATIONS IN MOLECULAR
CRYSTALS,* A VIBRATIONAL EXCITON APPROACH
J CHEM PHYS 33 1833-1841 DEC 60
BY HEXTER R M — DDC NR. 240661
CONTRACT NR. AF 49<638>-542
PROJ/TASK NR. 9760-37600

AFOSR TN 60-326
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION I ,*
SOME EFFECTS OF DRIVE ON THE EFFECTIVE INTENSITY OF A
STIMULUS FEB 1960
PSYCH RPTS 9 87-98 1961
BY DORFMAN D D — DDC NR.
ZAJONC R B — CONTRACT NR. AF 49<638>-367
PROJ/TASK NR. 9778-37708

AFOSR TN 60-327
UTAH UNIV OF SALT LAKE CITY
OBSERVATIONS OF VAPORIZATION ACCOMPANYING ULTRA-HIGH
VELOCITY IMPACT JAN 1960
BY BARTLETT R. W. — DDC NR. 237546
COOK, M. A. <P,I,> — CONTRACT NR. AF 18<603>-100
PROJ/TASK NR. 9751-37511

AFOSR TN 60-328
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA
NOTE ON POLYHARMONIC FUNCTIONS MAR 1960
PROC AMER MATH SOC 12 110-115 FEB1961
BY DUFFIN R. J. DDC NR. 235374
NEHARI Z. CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9783-37727

AFOSR TN 60-329
MARYLAND UNIV OF COLLEGE PARK
THE APPROXIMATION OF SOLUTIONS OF NON-LINEAR
DIFFERENTIAL EQUATIONS MAR 1960
BY GEORGE M D DDC NR. 234729
WEINSTEIN A CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR TN 60-330
CORNELL UNIV ITHACA N Y
CN STRETCHING BANDS IN THE RAMAN SPECTRA OF SOME GROUP
IB AND GROUP IIB COMPLEX CYANIDES
J CHEM PHYS 33 736-740 SEP 1960
BY PLANE R A DDC NR. 234794
CHANTRY G N<PI> CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR TN 60-331
AEROCHEM RSCH LABORATORIES, INC, PRINCETON, NJ
THE THEORY OF RADIATION COOLING AT HIGH MACH NUMBERS SEP 60
BY ROSNER D. E. DDC NR.
CALCOTE H. F. <P.I.> CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9752-37521

AFOSR TN 60-332
ROCHESTER UNIV OF N Y
THE LIFETIME OF THE EPSILON HYPERON JUN 1959
ANN PHYS 9 139-168 JAN 1960
BY KAPLON M F DDC NR.
MELISSINOS A C CONTRACT NR. AF 49(638)-303
YAMANOUCHI T PROJ/TASK NR. 9774-37665

AFOSR TN 60-333
ROCHESTER UNIV OF N Y
A SURVEY OF RELATIVISTIC TRANSFORMATIONS AUG 1959
BY KAPLON M F DDC NR.
YAMANOUCHI T CONTRACT NR. AF 49(638)-303
PROJ/TASK NR. 9774-37665

AFOSR TN 60-334
MARYLAND UNIV OF COLLEGE PARK
ELECTRON DIFFUSION AHEAD OF SHOCK WAVES IN ARGON MAR 1960
PHYS FLUIDS 3 545-548 JL-AG 1960
BY WEYMANN H. D. DDC NR. 234795
BURGERS J. M. <P.I.> CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR TN 60-335
PRINCETON UNIV, NJ
THE MECHANISM OF IGNITION OF COMPOSITE SOLID PROPELLANTS
BY HOT GASES APR 1960
PROGRESS IN ASTRONAUTICS AND ROCKETRY PP 623-652
BY MCALEVY III, R. F. DDC NR. 235023
COWAN P. L. CONTRACT NR. AF 49(638)-411
SUMMERFIELD M. PROJ/TASK NR. 9751-37510

AFOSR TN 60-336
STANFORD RESEARCH INST MENLO PARK CALIF
THE STUDY OF THE ORIGIN AND PROPAGATION OF DISTRUBANCES IN
THE BURNING OF SOLID PROPELLANTS FEB 1960
BY AGOSTON G. A. DDC NR. 236644
CONTRACT NR. AF 49(638)-565
PROJ/TASK NR. 4759-02

AFOSR TN 60-337
SYRACUSE UNIV NY
RADIAL DISTRIBUTION AND DEFICIENCIES OF THE VALUES OF A
MEROMORPHIC FUNCTION MAR 1960
PAC J MATH 11 135-151 1961
BY EDRIE, A. DDC NR. 237516
FUCHS H. J. CONTRACT NR. AF 49(638)-571
HELLERSTEIN S. PROJ/TASK NR. 9783-37727

AFOSR TN 60-338
UPPSALA UNIV OF SWEDEN
THE STRUCTURES OF CO2P, RU2- AND RELATED PHASES
ACTA CHEM SCAND 14 1961-1979
BY RUNDQVIST S DDC NR. 240307
HAGG G CONTRACT NR. AF 61(052)-40
PROJ/TASK NR. 9762-37621

AFOSR TN 60-339
RUTGERS UNIV NEW BRUNSWICK, NJ
SURFACE SPHERICAL HARMONIC EXPANSIONS MAR 1960
BY SHAPIRO V. L. DDC NR. 235797
CONTRACT NR. AF 18(600)-1595
PROJ/TASK NR. 9752-37522

AFOSR TN 60-340
CORNELL UNIV ITHACA N Y
MASS SPECTRA OF ALUMINUM III HALIDES AND THE HEATS OF
DISSOCIATION OF A12F6<G> AND LIF, ALF3<G>
J CHEM PHYS 33 858-863 SEP 1960
BY PORTER R F DDC NR. 246165
ZELLER E E CONTRACT NR. AF 18(603)-1
PROJ/TASK NR. 9763-37630

AFOSR TN 60-341
KANSAS UNIV OF LAWRENCE
PHOTOMETRIC TITRATION OF AROMATIC AMINES
ANAL CHEM 32 983-984 JUL 1960
BY REYNOLDS C A DDC NR. 235641
WALKER F H CONTRACT NR. AF 49(638)-472
COCHRAN E PROJ/TASK NR. 9763-37630

AFOSR TN 60-342
ILLINOIS UNIV OF URBANA
THE APPROXIMATION OF NETWORK FUNCTIONS USING TCHEBYCHEFF
POLYNOMIALS MAR 1960
BY KARNI S. DDC NR. 236161
VON VALKENBURG, M E< CONTRACT NR. AF 49(638)-03
PROJ/TASK NR. 9768-37650

AFOSR TN 60-343
TECHNISCHE HOCHSCHULE KARLSRUHE, GERMANY
JAN 1960, THEORETICAL INVESTIGATIONS ON RING AIRFOILS,
FINAL REPORT
BY WEISSINGER J. DDC NR. 234517
CONTRACT NR. AF 61(514)-1207
PROJ/TASK NR. 9781-37712

AFOSR TN 60-344
MARYLAND UNIV OF COLLEGE PARK
ON VAN HOVE-S DIAGONAL SINGULARITY CONDITION MAR 1960
BY PHILIPPOT J. DDC NR. 235770
MONTROLL, E. W. <P.I CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9751-37511

AFOSR TN 60-345
MARYLAND UNIV OF COLLEGE PARK
APPLICATION OF SUMMABILITY METHODS TO SPECIFIC HEAT
CALCULATIONS MAR 1960
BY MARADUDIN, A. A. DDC NR. 235771
WEISS G. H. CONTRACT NR. AF 18(600)-1315
SACK R. A. PROJ/TASK NR. 9751-37511
MONTROLL, E. W.<P.I.

AFOSR TN 60-346
MARYLAND UNIV OF COLLEGE PARK
IRREVERSIBILITY IN INTERACTING SPIN SYSTEMS MAR 1960
BY PHILIPPOT J. DDC NR. 235772
MONTROLL E W<P.I.> CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9751-37511

AFOSR TN 60-347
MAX PLANCK INST FUR STROMINGSTECHNIK GOTTINGEN, GERM
NOV 1959, EXPERIMENTS RELATING TO THE INTERACTION OF SOUND
AND TURBULENCE
BY SCHMIDT D. W. DDC NR. 236341
TOLLMEIN, W.<P.I.> CONTRACT NR. AF 61(514)-1143
PROJ/TASK NR. 9781-37712

AFOSR TN 60-348
ROYAL COLLEGE OF SCI AND TECHNOLOGY GLASGOW, SCOTLAND
AUG, 1959, THE FLOW PAST A CLOSED BODY IN A HIGH SUBSONIC
STRFAM
BY HELLIWELL J. B. DDC NR. 242392
MACKIE A. G. CONTRACT NR. AF 61(514)-1170
PACK, D. C. <P.I.> PROJ/TASK NR. 9783-37718

AFOSR TN 60-349
JOHNS HOPKINS UNIV BALTIMORE, MD
DIRECT DETERMINATION OF LINE SHAPES OF ROTATIONAL SPECTRA
FROM INTERFEROMETRIC MEASUREMENTS SEP 1959
BY WILLIAMS T. DDC NR. 239732
STRONG, J. <P.I.> CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR. 9768-37650

AFOSR TN 60-350
CHICAGO UNIV OF ILL
TRAPPED AND COSMIC RADIATION MEASUREMENTS FORM EXPLORER VI
DEC 1959
PROC 1ST INT. SPACE SCIENCE SYMP, NICE, FRANCE, AMSTERDAM
1960 NORTH HOLLAND PUBL CO PP 951-986
BY FAN C. Y. DDC NR. 249811
MEYER P. CONTRACT NR. AF 18 (600)-666
SIMPSON J. A. PROJ/TASK NR. 9774-37665

AFOSR TN 60-351
POLYTECHNIC INST OF BROOKLYN NY
NETWORK PROPERTIES OF THREE TERMINAL HALL PLATES MAR 1960
BY GARG J. M. DDC NR.
TRUXAL, J. J.<P.I.> CONTRACT NR. AF 18(603)-105
PROJ/TASK NR. 9768-37650

AFOSR TN 60-352
PRINCETON UNIV, NJ
CONSIDERATION OF HYDRAZINE DECOMPOSITION
PROGRESS IN ASTRONAUTICS & ROCKETRY PP 351-366 1960 V.2
BY EBERSTEIN I. J. DDC NR. 235951
GLASSMAN I. CONTRACT NR. AF 18(600)-1527
PROJ/TASK NR. 9750-37501

AFOSR TN 60-353
PRINCETON UNIV, NJ
FUTHER STUDIES ON THE LIGHT SCATTERING TECHNIQUE FOR
DETERMININATION OF SIZE DISTRIBUTIONS IN BURNING SPRAYS-
II WIDE RANGE PHOTOGRAPHIC PHOTOMETRY FEB 1960
BY DOBBINS R. A. DDC NR. 235952
GLASSMAN, I. <P.I.> CONTRACT NR. AF 18(600)-1527
PROJ/TASK NR. 9750-37501

AFOSR TN 60-354
MARYLAND UNIV OF COLLEGE PARK
K-DEUTERON SCATTERING AND THE K-NUCLEON SCATTERING LENGTHS
MAR 60
PHYS REV 119 1100-1102 AUG 60
BY DAY, T. B. DDC NR. 234684
SNOW G. A. CONTRACT NR. AF 49(638)-24
SUCHER J. PROJ/TASK NR. 9751-37512
TOLL, J. S. <P.I.>

AFOSR TN 60-355
HARVARD UNIV CAMBRIDGE, MASS
RADIATIVE TRANSFER EFFECTS IN NATURAL CONVECTION ABOVE FIRE
J FLUID MECH 12 441-448 1962
BY MURGAI M. P. DDC NR.
EMMONS H. W. <P.I.> CONTRACT NR. AF 49(638)-29
PROJ/TASK NR. 9751-37510

AFOSR TN 60-356
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
GENERALIZED TOPOLOGIES FOR STATISTICAL METRIC SPACES 1960
BY THORP E. DDC NR.
MARTIN, W. T.<P.I.> CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37658

AFOSR TN 60-357
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
FUNDAMENTAL GROUPS ON A LORENTZ MANIFOLD
AMER MATH 82 873-890 OCT 1960
BY SMITH J. W. DDC NR. 236407
MARTIN, W. T. <P.I.> CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37658

AFOSR TN 60-358
WASHINGTON UNIV ST LOUIS MO
VARIATION DIMINISHING HANKEL TRANSORMS APR 1960
J D ANALYSE MATHEMATIQUE 8 307-336 1961
BY HIRSCHMAN JR I I DDC NR. 235988
HAIMS F<PI> CONTRACT NR. AF 49(638)-218
PROJ/TASK NR. 9783-37727

AFOSR TN 60-359
INST FOR ADVANCED STUDY, PRINCETON, N.J.
ON A MEASURE OF ASYMMETRY OF CONVEX BODIES MAR 1960
BY ASPLUND, E. DDC NR. 236775
GROSSWALD E. CONTRACT NR. AF 49(638)-253
GRUNBAUM B. PROJ/TASK NR. 9783-37727
MORSE, M.<P.I.>
BEURLING A.<P.I.>

AFOSR TN 60-360
PRINCETON UNIV N J
PION-PION SCATTERING AND K PLUS OR MINUS BECOMES
3 PI DECAY
PHYS REV 119 1115-1121 AUG 1960
BY KHURI N N DDC NR.
TREIMAN S B CONTRACT NR. AF 49(638)-304
GOLDBERGER M L<PI> PROJ/TASK NR. 9750-37500

AFOSR TN 60-361
PRINCETON UNIV N J
BOUND STATES AND DISPERSION RELATIONS
PHYS REV 119 1745-1752 SEP 1960
BY BLANKENBECLER R DDC NR.
COOK JR L F CONTRACT NR. AF 49(638)-304
GOLDBERGER M L<PI> PROJ/TASK NR. 9750-37500

AFOSR TN 60-362
PRINCETON UNIV N J
ELASTIC NEUTRON-DEUTERON SCATTERING 1960
BY HALPERN F R DDC NR.
BLANKERBECLER R CONTRACT NR. AF 49(638)-304
GOLDBERGER M L PROJ/TASK NR. 9750-37500

AFOSR TN 60-363
WISCONSIN UNIV OF MADISON
EFFECTS OF ADRENALECTOMY AND DESOXYCORTICOSTERONE ON
STOP-FLOW PATTERNS OF SODIUM AND POTASSIUM IN THE RAT
MAR 1960
J PHARMACOL EXPER THERAPEUTICS 131 49-55 JAN 1961
BY WILLIAMSON H E DDC NR.
SKULAN T W CONTRACT NR. AF 49(638)-695
SHIDEMAN F E PROJ/TASK NR. 9777-37701

AFOSR TN 60-364
PENNSYLVANIA UNIV OF PHILADELPHIA
THE EFFECT OF HYPOTHALAMIC LESIONA ON THE SECRETION
OF LUTEOTROPHIN
J ENDOCRIN 67 597-608 NOV 1960
BY MCCANN S M DDC NR. 251098
FRIEDMAN H M CONTRACT NR. AF 49(638)-685
PROJ/TASK NR. 9777-37701

AFOSR TN 60-365
HUMAN SCIENCES RSCH INC
A BIBLIOGRAPHY OF SMALL GROUP RESEARCH APR 1960
BY TERAUDS A DDC NR. 234304
ALTMAN I CONTRACT NR. AF 49(638)-256
MCGRATH J F PROJ/TASK NR. 9778-37707

AFOSR TN 60-367
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
SCALING RELATIONS FOR PLASMA DEVICES DEC 1959
ALSO IN PLASMA ACCELERATION TL 783.6 SIDNEY W KASH, ED 598
STANFORD U PRESS 1960 1959 P 30-36
BY JANES C. S. DDC NR. 235532
KANTROWITZ, A R<P.I. CONTRACT NR. AF 49(638)-659
PROJ/TASK NR. 4759-11

AFOSR TN 60-368
ILLINOIS UNIV OF URBANA
SYNTHESIS OF DOUBLE-TERMINATED ACTIVE NETWORKS MAR 1960
BY SUN FU K. DDC NR. 236097
VAN VALKENBURG, M E CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR TN 60-371
WAYNE STATE UNIV, DETROIT, MICH
ON AXIOMATIC APPROACH TO HOMOLOGY THEORY WITHOUT USING THE
RELATIVE GROUPS
PORTUGALIAE MATH 19 211-225 1960
BY TSEN HU SZE DDC NR. 237158
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-37658

AFOSR TN 60-372
MARYLAND UNIV OF COLLEGE PARK
VIBRATIONAL THERMODYNAMIC PROPERTIES OF LATTICES WITH
DEFECTS, II - TWO - AND THREE- DIMENSIONAL SIMPLE CUBIC
LATTICES MAR 1960
PROG OF THEOR PHYS 24 648-60 SEPT 1960
BY MAHANTY, J. DDC NR. 235773
MARADUDIN A. A. CONTRACT NR. AF 49(638)-399
WEISS G. H. PROJ/TASK NR. 9763-37631
MYERS, R. D. <P.I.>
FERRELL, R A<P.I.>

AFOSR TN 60-373
MINNESOTA UNIV OF MINNEAPOLIS
RELATIVE INTERPRETATIONS MAR 60
FEITSCHR F M MATH LOGIK UND GRUNDLAPGEN D. MATH 7 146-153
1961
BY OREY S. DDC NR. 236247
CONTRACT NR. AF 49(638)-617
PROJ/TASK NR. 9752-37522

AFOSR TN 60-374
CALIFORNIA UNIV OF BERKELEY
I&BEHAVIORAL ATTITUDINAL AND PERCEPTUAL DIFFERENCES
BETWEEN LEADERS AND NON-LEADERS IN SITUATIONS OF GROUP
SUPPORT AND NON-SUPPORT
J SOC PSYCHOL 56 121-133 1962
BY GALLO P S DDC NR.
MCCLINTOCK C G CONTRACT NR. AF 49(638)-794
PROJ/TASK NR. 9778-37707

AFOSR TN 60-375
BROWN UNIV PROVIDENCE, RI
DESIGN AND OPERATION OF AN OSCILLATING-BODY VISCOMETER FOR
GASES AT HIGH PRESSURES MAR 1960
BY KESTIN J. DDC NR. 238993
LEIDENFROST W. CONTRACT NR. AF 18(600)-891
PROJ/TASK NR. 9751-37511

AFOSR TN 60-376
KENT STATE UNIV OHIO
PROTON MAGNETIC RESONANCE STUDY OF BARIUM BROMIDE
MONOHYDRATE
J CHEM PHYS 33 644-647 SEP 1960
BY MCGRATH J. W. DDC NR. 252840
SILVIDI A. A. CONTRACT NR. AF 49(638)-168
PROJ/TASK NR. 9768-37650

AFOSR TN 60-377
INST DE INVES DE CIENCIAS BIOLOGICAS MONTEVIDEO URUGUAY
SPECIFICITY AND BIASING OF AROUSAL REACTION HABITUTION
CLIN NEUROPHYSIOL 12 829-840 1960
BY APELBAUM J DDC NR. 257538
SILVA E E CONTRACT NR. AF 49(638)-585
FRICK O PROJ/TASK NR. 9777-37700
SEGUNDO J P
ESTABLE C

AFOSR TN 60-378
BAYLOR UNIV HOUSTON TEX
A BIOELECTRIC SCALE OF HUMAN ALERTNESS
CONCURRENT RECORDINGS OF THE EEG AND GSR
PSYCH RSCH REPORTS 12 183-193 JAN 1960
BY BURCH N R DDC NR. 234815
GREINER T H CONTRACT NR. AF 18(603)-79
LHAMON W T PROJ/TASK NR. 9778-37709

AFOSR TN 60-379
HUMAN SCIENCES RSCH INC ARLINGTON VA
AN INVENTORY OF SELECTED SOURCE MATERIALS RELEVANT TO
INTEGRATION OF PHYSICAL SOCIAL AND EFFECTS OF AIR ATTACK
BY LYBRAND W A DDC NR. 244888
POPPER R CONTRACT NR. AF 49(638)-549
PROJ/TASK NR. 9779-37735

AFOSR TN 60-380
STANFORD UNIV CALIF
THERMOELASTICITY FEB 1960
BY PARKES E. W. DDC NR. 238412
HOFF, N. J. <P.I.> CONTRACT NR. AF 49(638)-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-381
STANFORD UNIV CALIF
IDEALIZED COLUMN AUG 1958
BY HOFF N. J. DDC NR. 238413
CONTRACT NR. AF 49(638)-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-383
STANFORD UNIV CALIF
HIGH TEMPERATURE STRUCTURES JUN 1958
BY HOFF N. J. DDC NR. 238415
CONTRACT NR. AF 49(638)-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-384
STANFORD UNIV CALIF
A THEORY OF ELASTIC, PLASTIC, AND CREEP DEFORMATIONS OF AN
INITIALLY ISOTROPIC MATERIAL SHOWING ANISOTROPIC STRAIN-
HARDENING, CREEP RECOVERY, AND SECONDARY CREEP
BY BESSELING, J. F. DDC NR. 238416
HOFF, N. J. <P.I.> CONTRACT NR. AF 49(638)-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-385
MICHIGAN UNIV ANN ARBOR
THE EFFECT OF TENSILE STRESS ON DIHEDRAL ANGLES IN
LEADED COPPER MAR 1960
BY STICKELS C A DDC NR. 236091
HUCKE E F CONTRACT NR. AF 49(638)-422
PROJ/TASK NR. 9761-37611

AFOSR TN 60-386
MARYLAND UNIV OF COLLEGE PARK
FREQUENCY SPECTRA OF LATTICES WHOSE PARTICLES INTERACT
WITH LONG RANGE FORCES APR 1960
BY DAVIES J A DDC NR. 237704
MEYERS R D CONTRACT NR. AF 49(638)-399
FERRELL R A PROJ/TASK NR. 9763-37631

AFOSR TN 60-387
PRINCETON UNIV N J
OXIDATION OF IRON- CHROMIUM ALLOYS AT 750-1025C FEB 1960
CORROSION 17 109-116 JUL 1961
BY LAI D DDC NR. 235785
BORG R J CONTRACT NR. AF 49(638)-533
BRABERS M J PROJ/TASK NR. 9761-37611
MACKENZIE J D
BIRCHENALL C F

AFOSR TN 60-388
ILLINOIS OF UNIV URBANA
SCREW DISLOCATION IN CRYSTALS WITH DIAMOND STRUCTURE
J PHYS CHEM SOLIDS 19 100-104 1961
BY CELLI V DDC NR. 258909
READE T A CONTRACT NR. AF 49(638)-420
PROJ/TASK NR. 9760-37601

AFOSR TN 60-389
ILLINOIS UNIV OF URBANA
KINETIC THEORY OF DISLOCATION CLIMB
BY THOMSON R — DDC NR. — AF 49<638>-420
READ T A — CONTRACT NR. — AF 49<638>-420
PROJ/TASK NR. 9760-37601

AFOSR TN 60-392
LIEGE UNIV, BELGIUM
TAUBERIAN THEOREM, MAR 1960
BY BUREAU F. J. — DDC NR. — 241465
CONTRACT NR. AF 61<052>-86
PROJ/TASK NR. 9769-37658

AFOSR TN 60-393
PURDUE UNIV, LAFAYETTE, IND
ON THE IMPORTANCE OF COMBUSTION CHAMBER GEOMETRY IN HIGH FREQUENCY OSCILLATIONS IN ROCKET MOTORS MAY 1960
BY OSBORN J. R. — DDC NR. — 237692
BONNELL J. M. — CONTRACT NR. — AF 49<638>-756
ZUCROW, M. J. <P.I.> — PROJ/TASK NR. 9751-37510

AFOSR TN 60-394
STANFORD UNIV CALIF
CONSTRUCTION OF COUPLED SCATTERING AND PRODUCTION AMPLITUDES SATISFYING ANALYTICITY AND UNITARITY
PHYS REV LTRS 4 473-474 MAY 1960
BY BJORKEN J D — DDC NR. — 236176
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-395
HARVARD UNIV CAMBRIDGE, MASS
SOUND PROPAGATION IN A DILUTE FERMI GAS AT ZERO TEMPERATURE
PROC ROYAL DANISH ACAD 32, #13 1960
BY GOTTFRIED K. — DDC NR. — 251754
PICMAN L. — CONTRACT NR. AF 49<638>-589
GLANBER, R J <P.I.> — PROJ/TASK NR. 9774-37665

AFOSR TN 60-396
WASHINGTON UNIV ST LOUIS MO
MEAN SUMMABILITY FOR ULTRASPHERICAL POLYNOMIALS APR 1960
BY ASKEY R — DDC NR. — 235989
HIRSCHMAN JR I I — CONTRACT NR. AF 49<638>-218
PROJ/TASK NR. 9783-37727

AFOSR TN 60-397
JOHNS HOPKINS UNIV BALTIMORE, MD
THE TRANSIENT BEHAVIOR OF NOLINEAR SYSTEMS APR 1960
BY CLAUSER F. H. — DDC NR. — 237000
CONTRACT NR. AF 49<638>-496
PROJ/TASK NR. 9781-37712

AFOSR TN 60-398
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
MAR, 1960. INTERACTIONS OF RAPIDLY MOVING BODIES IN TERRESTRIAL ATMOSPHERE
BY CHOPRA K. P. — DDC NR. — 236347
CHUAN, R. L. <P.I.> — CONTRACT NR. AF 18<603>-95
PROJ/TASK NR. 9783-37725

AFOSR TN 60-398A
POLYTECHNIC INST OF BROOKLYN, NY
INTERACTIONS OF RAPIDLY MOVING BODIES IN TERRESTRIAL ATMOSPHERE
REV MOD PHYS 33 153-189 APR 61
BY CHOPRA, K. P. — DDC NR. — 260301
CONTRACT NR. AF 49<638>-445
PROJ/TASK NR.

AFOSR TN 60-399
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
MAR 1960 A SEMI-AUTOMATIC MCLEOD GAUGE
BY PASS H. R. — DDC NR. — 236348
CHUAN R. L. — CONTRACT NR. AF 18<603>-95
PROJ/TASK NR. 9783-37725

AFOSR TN 60-400
TECHNICAL RSCH GROUP INC SYOSSET N Y
LASER OSCILLATIONS IN FABRY-PEROT CAVITIES
32 178-186 FEB 1961 THEORY OF LASER ROSCILLATIONS IN FABRY-PEROT RESONATORS
BY KOTIK J — DDC NR. — 289169
NEWSTEIN M — CONTRACT NR. AF 49<638>-673
PROJ/TASK NR. 9751-37511

AFOSR TN 60-401
TECHNICAL RSCH GROUP INC SYOSSET N Y
THE USE OF MERCURY-KRYPTON DISCHARGES FOR OPTICAL MASERS
BY SENITSKY B — DDC NR. — 289168
NEWSTEIN M C — CONTRACT NR. AF 49<638>-673
SOLIMENE N — PROJ/TASK NR. 9751-37511
SCHIFF M

AFOSR TN 60-402
SYRACUSE UNIV NY
ON THE MAXIMUM NUMBER OF DEFICIENT VALUES OF CERTAIN CLASS OF FUNCTIONS APR 1960
BY EDREI A. — DDC NR. — 239448
FUCHS W. H. J. — CONTRACT NR. AF 49<638>-571
PROJ/TASK NR. 9783-37727

AFOSR TN 60-403
INST FOR ADVANCED STUDY, PRINCTION, NJ
A MEASURE OF ASYMMETRY FOR CONVEX SURFACES APR 1960
BY ASPLUD, E. — DDC NR. — 236773
BREDON G. — CONTRACT NR. AF 49<638>-253
GRUNBAUM B. — PROJ/TASK NR. 9783-37727
MORSE, M.<P.I.>
BFURLING A.<P.I.>

AFOSR TN 60-404
MELLON INST PITTSBURGH PA
INFRARED SPECTRUM OF SINGLE CRYSTALS OF LIOH LIOD AND LIOH-LIOD MAR 1960
BY HEXTER R M — DDC NR. — 243658
CONTRACT NR. AF 49<638>-542
PROJ/TASK NR. 9760-37600

AFOSR TN 60-405
REPUBLIC AVIATION CORP, FARMINGDALE, NY
THIRD AFOSR CONTRACTOR-S MEETING ON ION & PLASMA RESEARCH MAR 1960
BY KUNEN A. E. <P.I.> — DDC NR. — 235949
CONTRACT NR. AF 49<638>-552
PROJ/TASK NR. 9752-37521

AFOSR TN 60-406
POLYTECHNIC INST OF BROOKLYN NY
ANALYSIS AND SYNTHESIS OF TWO-TERMINAL CONTRACT NETWORKS BY ALGEBRAIC TOPOLOGY AND COMBINATORIAL ANALYSIS JAN 1960
BY KWOK-PING YOUND — DDC NR. — 238067
WEBER, E. <P.I.> — CONTRACT NR. AF 18<600>-1505
MARCUVITZ, N. — PROJ/TASK NR. 4751
TRUXAL, J. G.

AFOSR TN 60-408
CASE INST OF TECHNOLOGY CLEVELAND, O
THE USE OF SAMPLE QUASI-RANGES IN SETTING CONFIDENCE INTERVALS FOR THE POPULATION STANDARD DEVIATION MAR 1960
BY LEONE, F. C. — DDC NR. — 235950
RUTENBERG, Y. H. — CONTRACT NR. AF 49<638>-361
TOPP C. W. — PROJ/TASK NR. 9783-37727

AFOSR TN 60-409
CORNELL UNIV ITHACA NY
POTENTIAL FLOWS IN THE APPROXIMATION OF VISCOUS ACOUSTICS JUN 1960
BY RAE W. J. — DDC NR. — 236743
SEARS W. R. <P.2.> — CONTRACT NR. AF 18<600>-1523
PROJ/TASK NR. 9781-37712

AFOSR TN 60-410
ALFRED UNIV N Y
THE ADSORPTION OF OXYGEN ON ZINC OXIDE AND ZINC SULFIDE AND THE EFFECT OF PHOTOEXCITATION UPON THESE PROCESSES JUN 1959
BY NAKSMAR D — DDC NR. — 237261
GRAY T J — CONTRACT NR. AF 49<638>-288
PROJ/TASK NR. 9761-37610

AFOSR TN 60-411
CATHOLIC UNIV OF AMERICA WASH D C
EXCESS FREE ENERGY IN DEHYDROGENATED PALLADIUM
J CHEM PHYS 33 633-634 AUG 1960
BY SINGER J M — DDC NR. — 243723
GILBERT O P — CONTRACT NR. AF 49<638>-475
CASTELLAN W — PROJ/TASK NR. 9761-37600

AFOSR TN 60-412
RIAS INC BALTIMORE MD
THE ENVIRONMENTAL INFLUENCE ON THE BEHAVIOR OF LONG CHAIN MOLECULES
J PHYS CHEM 64 1643-1648 NOV 1960
BY ARANOW R H — DDC NR.
WITTEN L — CONTRACT NR. AF 49<638>-735
PROJ/TASK NR. 9761-37610

AFOSR TN 60-413
ALFRED UNIV N Y
CHEMICAL-PHYSICS OF CATALYST SURFACES
SYMP ON CATALYSIS ACS PETROLEUM DIV APR 59
BY GRAY T J — DDC NR. — 236720
CONTRACT NR. AF 49<638>-288
PROJ/TASK NR. 9761-37610

AFOSR TN 60-414
FRANKLIN INST, SWARTHMORE, PA.
1959, E2 TRANSITIONS FROM THE SECOND 20 LEVEL OF EVEN-EVEN NUCLEI
NUCL PHYS 14 42-69 1959/60
BY VAN PATTER D. — DDC NR. — 235215
CONTRACT NR. AF 49<638>-512
PROJ/TASK NR. 9751-37512

AFOSR TN 60-415
STANFORD UNIV CALIF
INFLUENCE COEFFICIENTS FOR RADIATION IN A CIRCULAR CYLINDER MAR 1960
BY PARKES E. W. — DDC NR. — 238417
HOFF, N. J. <P.I.> — CONTRACT NR. AF 49<638>-223
PROJ/TASK NR. 9782-37718

AFOSR TN 60-416
MARYLAND UNIV OF COLLEGE PARK
A FABER-KRAHN INEQUALITY FOR WEDGE-LIKE MEMBRANES
J MATH & PHYS 39 182-188 OCT 1960
BY PAYNE L E — DDC NR. — 235626
WEINBERGER H F — CONTRACT NR. AF 49<638>-288
WEINSTEIN A — PROJ/TASK NR. 9783-37727

AFOSR TN 60-417
STANFORD UNIV CALIF
PHOTOEFFECT FROM THE L SHELL APR 1960
PHYS REV 119 1619-1626 SEP 1960
BY PRATT R H — DDC NR. — 236781
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-418
COLUMBIA UNIV NY
ON VARIATIONAL PRINCPLES IN THERMOELASTICITY AND HEAT CONDUCTION APR 1960
BY HERRMANN G. — DDC NR. — 237902
ARMENAKAS A. E.<P.I. — CONTRACT NR. AF 49<638>-430
PROJ/TASK NR. 9782-37717

AFOSR TN 60-419
ILLINOIS OF UNIV URBANA
ELECTRON MOBILITY AND SCATTERING PROCESSES IN AGBR AT LOW TEMPERATURES
PHYS REV 119 1560-1570 SEP 1960
BY BURNHAM D C — DDC NR. — 236162
BROWN F C — CONTRACT NR. AF 49<638>-579
KNOX R S — PROJ/TASK NR. 9760-37601

AFOSR TN 60-620
MCMASTER UNIV ONTARIO CAN
THE OXIDATION OF METALS
J ELECTROCHEM SOC 107 271-276 MAR 1960
BY TAFELTZEFF W W DDC NR, 237672
CONTRACT NR, AF 49(638)-[illegible]
PROJ/TASK NR, 9761-17601

AFOSR TN 60-621
CHICAGO UNIV OF ILL
IMPURITY CONDUCTION IN TRANSMUTATION-DOPED --TYPE GERMANIUM
PHYS REV 119 1298-1305 AUG 1960
BY FRITZSCHE H DDC NR,
CUEVAS M CONTRACT NR, AF 49(638)-802
PROJ/TASK NR, 9760-17601

AFOSR TN 60-622
LEND UNIV OF SWEDEN
MOTOR END-PLATE DESENSITIZATION BY REPETITIVE NERVE STIMULI
J PHYSIOL 148 649-666 1959
BY THESLEFF S DDC NR, 241996
CONTRACT NR, AF 61(052)-106
PROJ/TASK NR, 9777-17700

AFOSR TN 60-623
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRUM OF MANGANESE IN CORUNDUM
PHYS REV 119 1332-1333 JUL 1960
BY LOW W DDC NR, 236306
SUSS J T CONTRACT NR, AF 61(052)-59
PROJ/TASK NR, 9769-17691

AFOSR TN 60-624
OSLO UNIV NORWAY
ON PLANE STATIONARY SHOCK WAVES IN A PLASMA 1959
BY EGELI WYKNLI DDC NR, 236357
JENSEN E(OBI) CONTRACT NR, AF 61(052)-69
PROJ/TASK NR, 9774-17693

AFOSR TN 60-625
COLUMBIA UNIV NY
DYNAMIC BEHAVIOR OF CYLINDRICAL SHELLS UNDER INITIAL STRESS
APM 1960
BY HERRMANN G DDC NR, 237901
ARMENAKAS A. E.(OPT. CONTRACT NR, AF 49(638)-630
PROJ/TASK NR, 9782-17717

AFOSR TN 60-626
AEROJET-GENERAL CORP AZUSA, CALIF
FEB 1960, A SEARCH FOR THE IONIZATION OF H2 ON DIFFUSION
THROUGH PD
BY RADBILL J. B. DDC NR, 237256
SUNDERLAND R. J. CONTRACT NR, AF 49(638)-214
PROJ/TASK NR, 9761-17610

AFOSR TN 60-627
SOUTH CAROLINA UNIV OF COLUMBIA
CYLINDRICAL REFLECTORS FOR DIRECTING AND CONCENTRATING
MICROWAVE BEAMS APR 1960
BY FIELDS R. E. DDC NR, 237965
WOLFF, JR F. E. CONTRACT NR, AF 18(603)-63
PROJ/TASK NR, 9768-17650

AFOSR TN 60-628
STANFORD UNIV CALIF
PARAMAGNETIC RELAXATION IN SOLUTIONS OF V4 APR 1960
33 1107-1111 OCT 1960
BY ROGERS M. T. DDC NR, 237269
PAPE G. F. CONTRACT NR, AF 18(603)-131
PROJ/TASK NR, 9761-17611

AFOSR TN 60-629
POLYTECHNIC INST OF BROOKLYN NY
ON THE RUNGE METHOD AND THE SUPERSONIC BLUNT BODY PROBLEM
(AFOSR 57 [illegible] FEB 1960)
BY VISHNIA SHEN B. DDC NR, 263967
[illegible] A. (OPT. CONTRACT NR, AF 49(638)-217
PROJ/TASK NR, 9781-17712

AFOSR TN 60-630
BROWN UNIV PROVIDENCE RI
SUPERSONIC FLOW PAST FINITE DOUBLE WEDGE WINGS OF VARIABLE
THICKNESS, PART I, LINEAR VARIATION MAY 1960
BY HOLT M. DDC NR, 238729
YIH R. CONTRACT NR, AF 49(638)-282
PROJ/TASK NR, 9781-17712

AFOSR TN 60-631
BROWN UNIV PROVIDENCE RI
SUPERSONIC FLOW PAST FINITE DOUBLE WEDGE WINGS OF VARIABLE
THICKNESS, PART II, SINUSOIDAL VARIATION MAY 1960
BY HOLT M DDC NR, 238726
YIH R CONTRACT NR, AF 49(638)-282
PROJ/TASK NR, 9781-17712

AFOSR TN 60-632
NEW YORK UNIV N Y
A REGENERATIVE NON-LINEAR FEEDBACK SYSTEM MAY 1960
BY FLEISCHER P. E. DDC NR, 239639
CHANG S. S. L CONTRACT NR, AF 49(638)-506
RAGAZZINI J. R PROJ/TASK NR, 9768-17690

AFOSR TN 60-634
COLUMBIA UNIV NY
ELECTRON PARAMAGNETIC RESONANCE OF FE3+ IN TIO2 (RUTILE)
118 1484-1490 JUN 1960
BY CARTER D. L. DDC NR, 261920
DEAVE A. CONTRACT NR, AF 49(638)-681
TORRES, C. M. <P,I,> PROJ/TASK NR, 9776-17663

AFOSR TN 60-635
MARYLAND UNIV OF COLLEGE PARK
QUANTUM STATISTICAL PAIR DISTRIBUTION FUNCTION, GENERAL
THEORY AND ITS APPLICATIONS TO THE ELECTRON GAS MAR 1960
BY FUJITA S. DDC NR, 236699
MONTROLL E. W.<P. . CONTRACT NR, AF 18(6[illegible]-1919
PROJ/TASK NR, 9761-17611

AFOSR TN 60-636
INST FOR ADVANCED STUDY, PRINCETON, NJ
ON THE GEOMETRY OF MINKOWSKI PLANES 1960
BY ASPLUND E. DDC NR, 236176
BRUNNAUM A. CONTRACT NR, AF 49(638)-259
MOBSE M. <P,I,> PROJ/TASK NR, 9781-17727
RFUELING A. <P,I,>

AFOSR TN 60-637
FLORIDA UNIV OF GAINESVILLE
EFFECT OF MEMBRANE FORCES ON LATERAL VIBRATIONS OF
RECTANGULAR PLATES MAY 1960
DEVEL IN MECH V.1 PLENUM PRESS, NY 1961 PP 39-66
BY IBURGT W. DDC NR, 239042
NASH W. A. CONTRACT NR, AF 49(638)-328
PROJ/TASK NR, 9782-17710

AFOSR TN 60-638
PLAS INC BALTIMORE MD
AUTOSYNARTETIC SOLUTIONS OF DIFFERENTIAL EQUATIONS MAY 1960
BY LEWIS JR D C DDC NR,
LEFSCHETZ S CONTRACT NR, AF 49(638)-382
PROJ/TASK NR, 9783-17726

AFOSR TN 60-639
MARYLAND UNIV OF COLLEGE PARK
EXPERIMENTAL INVESTIGATIONS OF THE INTERACTION BETWEEN A
SHOCK AND A MAGNETIC FIELD MAR 1960
BY BABACH J. R. DDC NR, 236178
BORGERS J. M. <P,I,> CONTRACT NR, AF 49(638)-402
PROJ/TASK NR, 9781-17713

AFOSR TN 60-640
CALIFORNIA UNIV OF LOS ANGELES
ON THE OPTIMUM SYNTHESIS OF SAMPLED DATA MULTIPOLE FILTERS
WITH RANDOM AND NONRANDOM INPUTS FEB 1960
IRE INT CONVENTION RECORD 1960 PT 4 37-42
BY MEIER H C DDC NR, 239666
LEONDES C T CONTRACT NR, AF 49(638)-438
PETERS F PROJ/TASK NR, 9781-17726

AFOSR TN 60-661
MICHIGAN UNIV OF ANN ARBOR
RECENT RESULTS ON STANDING DETONATION WAVES MAR 1960
9TH INTERN SYMPOS COMB
BY NICHOLLS, J. A. DDC NR, 238393
DABORA F. W. CONTRACT NR, AF 49(638)-962
PROJ/TASK NR, 9761-17610

AFOSR TN 60-662
MICHIGAN UNIV OF ANN ARBOR
STABILIZATION OF GASEOUS DETONATION WAVES WITH EMPHASIS ON
THE IGNITION TIME DELAY ZONE JUN 60
BY NICHOLLS J. A. DDC NR, 240046
CONTRACT NR, AF 49(638)-562
PROJ/TASK NR, 9761-17610

AFOSR TN 60-663
ARMOUR RSCH FOUND CHICAGO ILL
PREPARATION CHARACTERIZATION AND PHYSICAL AND CHEMICAL
PROPERTIES OF TETRAMETHYLAMMONIUM [illegible]
(ACS 82 5660-5661 1960
BY [illegible]MARTE A. J. DDC NR, 267810
MC DONOUGH J. M CONTRACT NR, AF 49(638)-518
SOLOMON I PROJ/TASK NR, 9760-17600
HARTFORD E
SIMONSMEIER K.<P,I,>

AFOSR TN 60-664
RICE INST, HOUSTON, TEX
A FOUR INTEGRAL FOR FUNCTIONS WHICH MAY HARMONIC SUPPORT
[illegible]PROBLEMS APR 1960
TRANS AMER MATH SOC 98 163-185 JAN 1961
BY JOHNSON G. DDC NR, 239884
CONTRACT NR, AF 49(638)-612
PROJ/TASK NR, 9769-17650

AFOSR TN 60-665
CHICAGO UNIV OF ILL
QUASI-FINITENESS OF THE INTERACTION HAMILTONIAN
OF CERTAIN QUANTUM FIELDS
ANN OF MATH 72 590-602 NOV 1960
BY SEGAL I E DDC NR, 236812
CONTRACT NR, AF 49(638)-666
PROJ/TASK NR, 9781-17727

AFOSR TN 60-666
MARYLAND UNIV OF COLLEGE PARK
THE ZERO-POINT ENERGY OF AN ELECTRON LATTICE MAY 1960
BY MARADUDIN A A DDC NR,
COLDWELL-HORSFALL R CONTRACT NR, AF 49(638)-999
MYERS R D PROJ/TASK NR, 9761-17691

AFOSR TN 60-667
COLUMBIA UNIV NY
CROSS-SECTION FOR THE EXCITATION OF THE METASTABOF 2S STATE
OF ATOMIC HYDROGEN BY ELECTRON COLLISION
116 1192-1199 DEC 1959
BY LICHTEN W. DDC NR, 236069
SCHULTZ S. CONTRACT NR, AF 18(600)-1136
BUSCH, P. <P,I,> PROJ/TASK NR, 9767

AFOSR TN 60-668
RENSSELAER POLYTECHNIC INST TROY NY
SOME EFFECTS OF SURFACE CURVATURE ON THE LAMINAR BOUNDARY
LAYER FLOW MAR 1960
BY TOBA Y. DDC NR, 237088
YEH, G. T. <P,I,> CONTRACT NR, AF 49(638)-21
PROJ/TASK NR, 9781-17712

AFOSR TN 60-669
STANFORD UNIV CALIF
MOTION OF A GYROSCOPE ACCORDING TO EINSTEIN-S THEORY OF
GRAVITATION APR 1960
PROC NAS 46 871-882 JUN 1960
BY SCHIFF L I DDC NR, 236702
CONTRACT NR, AF 49(638)-188
PROJ/TASK NR, 9796-17500

AFOSR TN 60-650
OXFORD UNIV OF ENGLAND
MICROBIAL OXIDATION OF GLYCOLLATE VIA A DICARBOXYLIC
ACID CYCLE
NATURE 185 394-395 JAN 1960
BY KORNBERG H L DDC NR. 261939
SADLER J R CONTRACT NR. AF 61(052)-180
BREBS H A(PI) PROJ/TASK NR. 9777-97704

AFOSR TN 60-651
COLUMBIA UNIV NY
RADIO STAR SCINTILLATION AND MULTIPLE SCATTERING IN THE
IONOSPHERE APR 1960
IRE TRANS ON ANTENNAS AND PROPAGATION V. AP-9 NO 1 89-96
JAN 1961
BY RUGHOLD P. S. DDC NR. 237587
CONTRACT NR. AF 49(638)-350
PROJ/TASK NR. 9768-97690

AFOSR TN 60-652
CALIFORNIA UNIV OF BERKELEY
SOME PRELIMINARY RESULTS IN SEPARATED FLOW AERODYNAMICS
FEB 1960
BY LYNES L. L. DDC NR.
SCHAAF S. A. CONTRACT NR. NONR 222(45)
PROJ/TASK NR.

AFOSR TN 60-653
WASHINGTON UNIV ST LOUIS MO
EFFECTIVE SPIN-ORBIT POTENTIAL IN CORRELATED
HEAVY NUCLEI FEB 1961
ANN PHYS 11 481-500 DEC 1960
BY CLARE W DDC NR. 257907
CONDON E U(PI) CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9751-97512

AFOSR TN 60-654
WASHINGTON UNIV ST LOUIS MO
UPPER LIMIT FOR THE INTRINSIC ELECTRIC DIPOLE MOMENT OF
THE PROTON AND THE NEUTRON
NUOVO CIM SER X 17 291-298 JUL 1960
BY ROSENDORFF S DDC NR. 257907
CONDON E U(PI) CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9751-97512

AFOSR TN 60-655
MARYLAND UNIV OF COLLEGE PARK
ON THE LEPTONIC AND NON-LEPTONIC DECAY-MODES OF K-MESON
APR 1960
BY PATI J. C. DDC NR. 236603
OKEDA S. CONTRACT NR. AF 49(638)-24
TOLL J. S. (PI) PROJ/TASK NR. 9751-97512

AFOSR TN 60-656
OHIO STATE UNIV COLUMBUS, OHIO
ON REGULAR AND SINGULAR HARMONIC FUNCTIONS OF THE F
VARIABLES
ARCH RAT MECH & ANAL 4 352-370 1960
BY BREYSZIG, F. DDC NR. 236536
CONTRACT NR. AF 49 638)-362
PROJ/TASK NR. 9760-97650

AFOSR TN 60-657
PURDUE UNIV LAFAYETTE IND
THE STEREOCHEMISTRY OF THE BASE-CATALYZED ADDITION OF
P-TOLUENETHIOL TO SODIUM AND ETHYL PHENYLPROPIOLATE APR1960
BY TRUCE W E DDC NR. 238968
GOLDHAMER D L CONTRACT NR. AF 49(638)-531
PROJ/TASK NR. 9762-97620

AFOSR TN 60-658
UNIV OF WASHINGTON SEATTLE
SOLUBILITY OF HYDROGEN AND DEUTERIUM IN LIQUID ARGON
J CHEM PHYS 33 1192-1199 OCT1960
BY HALSEY JR G D DDC NR. 262756
VOLK H(PI) CONTRACT NR. AF 49 (638)-729
PROJ/TASK NR. 9761-97610

AFOSR TN 60-660
UNIV OF ITALY MILAN
REACTION OF POTASSIUM TETRAIODO DICARBONYLIRIDIATE (III)
WITH TRIPHENYLPHOSPHINE AND ANALOGOUS LIGANDS MAY1960
BY ANGOLETTA M DDC NR. 240413
CONTRACT NR. AF 61(609)-83
PROJ/TASK NR. 9762-97620

AFOSR TN 60-661
MIAMI UNIV OF CORAL GABLES, FLA
STUDY OF ANTIPROTON INTERACTIONS MAR 1960
BY BLAU M. DDC NR. 237667
CARTER C. P. CONTRACT NR. AF 49(638)-97
PERLMUTTER A. PROJ/TASK NR. 9750-97500

AFOSR TN 60-662
JOHNS HOPKINS UNIV BALTIMORE, MD
THE MASS OF THE K HYPERON MAY 1960
BY LODGE J. DDC NR. 239021
ANDERSON P. CONTRACT NR. AF 18(603)-161
BRICKER, E. A. PROJ/TASK NR. 9790-97500
PEVSNER A.

AFOSR TN 60-663
JOHNS HOPKINS UNIV BALTIMORE, MD
AUGER RATE IN MESIC ATOMS MAY 1960
BY PEVSNER, A. DDC NR. 239020
STRAND, R. CONTRACT NR. AF 18 (603)-161
MADANSKY, L. PROJ/TASK NR. 9790-97500
TOOHIG T.
STRAND, R.

AFOSR TN 60-664
UNIV OF COLLEGE PARK MARYLAND
A MAXIMUM PROPERTY OF LAVCHYS PROBLEM IN
THREE-DIMENSIONAL SPACE-TIME APR 60
PROC SYMP ON PARTIAL DIFF EQUATIONS BERKELEY CALIF APR1960
PUBL AMER MATH SOC 1961 PP91-99
BY WEINBERGER H F DDC NR. 238492
WEINSTEIN A CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9781-97727

AFOSR TN 60-665
BOSTON UNIV MASS
DIFFERENTIAL OPERATOR APPROXIMATIONS TO THE LINEAR
BOLTZMANN EQUATION
J MATH PHYS 1 178-190 1960
BY SIEGEL A. DDC NR.
CONTRACT NR. AF 49(638)-479
PROJ/TASK NR. 9781-97711

AFOSR TN 60-666
MARYLAND UNIV OF COLLEGE PARK
POINCARE CYCLES AND ERGODIC BEHAVIOUR OF A LINEAR DIATOMIC
CHAIN APR 1960
BY GARCIA-COLIN L. S. DDC NR. 236687
MONTROLL, E W(PI) CONTRACT NR. AF 18(600)-1115
PROJ/TASK NR. 9761-97610

AFOSR TN 60-667
BOSTON UNIV, MASS
A NEW EXPANSION OF THE DIFFERENTIAL OPERATOR FOR THE TIME
DEVELOPMENT OF FLUCTUATION DISTRIBUTIONS
RAREFIED GAS DYN L TALBOT ED ACAD PRESS INAL PP 81-97
BY SIEGEL A. DDC NR. 2891A7
CONTRACT NR. AF 49(638)-479
PROJ/TASK NR. 9781-97711

AFOSR TN 60-668
UNIV OF LOS ANGELES CALIFORNIA
COMPARISON OF VARIOUS LEAST SQUARES
REFINEMENT TECHNIQUES APR1960
CONFON COMPUTING METHODS AND THE PHASE PROBLEM IN
X-RAY CRYSTALANALYSIS GLASGOW SCOT AUG 9-12 1960
BY SPARKS R A DDC NR. 237762
TRUEBLOOD K N(PI) CONTRACT NR. AF 49(638)-719
PROJ/TASK NR. 9760-97600

AFOSR TN 60-669
CALIFORNIA UNIV OF LOS ANGELES
CRYSTALLOGRAPHIC CALCULATIONS ON SWAC AND THE IBM 709
CONF ON COMPUTING METHODS AND THE PHASE PROBLEM IN X-RAY
CRYSTAL ANAL R PEPINSKY J M ROBERTSON J C SPEAKMAN EDITORS
PERGAMON PRESS 1961 PP 188-193
BY SPARKS R A DDC NR. 237763
BLATTNER W W CONTRACT NR. AF 49 (638)-719
COUETER J L PROJ/TASK NR. 9760-97600
TRUEBLOOD K N

AFOSR TN 60-670
JOHNS HOPKINS UNIV BALTIMORE MD
KINETICS OF THE DEUTERIUM EXCHANGE BETWEEN
DIBORANE AND DIMETHYLAMINOBORANE
JACS 83 3992-3995(PER1961)
BY ROSE W S DDC NR. 237056
RIEDER J S CONTRACT NR. AF 18(600)-1420
PROJ/TASK NR. 9760-97600

AFOSR TN 60-671
JOHNS HOPKINS UNIV BALTIMORE MD
IODINE NUCLEAR QUADRUPOLE RESONANCE SPECTRA OF
SOME BORON-IODINE COMPOUNDS
BY ROSE W S DDC NR. 237057
LAUBITA G(PI) CONTRACT NR. AF 18(600)-1420
PROJ/TASK NR. 9760-97600

AFOSR TN 60-672
UNIV OF BERKELEY CALIFORNIA
THE PHOTOLYSIS OF CARBON DIOXIDE
J CHEM PHYS 33 959-964 OCT1960
BY MAHAN B H DDC NR. 237620
CONTRACT NR. AF 49(638)-1
PROJ/TASK NR. 9763-97630

AFOSR TN 60-673
CALIFORNIA UNIV OF, BERKELEY
UNITARITY CONDITION BELOW PHYSICAL THRESHOLDS IN THE NORMAL
AND ANOMALOUS CASES
PHYS REV 4 26-37 JAN 1960
BY MANDELSTAM S. DDC NR. 260991
KARPLUS, R. (PI) CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9760-97600

AFOSR TN 60-674
RIAS INC BALTIMORE MD
ON CERTAIN NON-LINEAR OPERATORS AND PARTIAL
DIFFERENTIAL EQUATIONS MAY1960
BY HELLER G T DDC NR. 239118
LEFSCHETZ S (PI) CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-97726

AFOSR TN 60-675
OKLAHOMA STATE UNIV STILLWATER
ACTIVITIES IN AQUEOUS HYDROCHLORIC ACID MIXTURES WITH
TRANSITION METAL CHLORIDES II MANGANESE (II) CHLORIDE AND
COPPER (II) CHLORIDE
J PHYS CHEM 64 1694-1698 OCT1960
BOOR T E DDC NR.
MILLER C F CONTRACT NR. AF 18(600)-478
BUSTCH F W PROJ/TASK NR. 9760-97600

AFOSR TN 60-676
STANFORD UNIV CALIF
ON THE OPTIMUM RESPONSE OF THIRD ORDER CONTRACTOR
CONTROL SYSTEMS APR 1960
BY PLUGGE-LOTZ I DDC NR. 239666
YIN M CONTRACT NR. AF 49(638)-419
PROJ/TASK NR. 9781-97726

AFOSR TN 60-677
RENSSELAER POLYTECHNICAL INST TROY NY
PERIODIC RESPONSES AND SUPERPOSITION IN A
NONLINEAR CONTROL SYSTEM MAY1960
J MATH ANOL&APPL 5 906-919/OCT1962
BY FLEISHMAN B A DDC NR. 262189
CONTRACT NR. AF 49(638)-916
PROJ/TASK NR. 9781-97726

AFOSR TN 60-478
HARVARD UNIV CAMBRIDGE MASS
DIALKYLBIS<PENTAFLUOROETHYL>TIN COMPOUNDS JUNE1960
BY TREICHEL P M — DDC NR. 242310
STONE F G A — CONTRACT NR. AF 49<638>-518
PROJ/TASK NR. 9762-37620

AFOSR TN 60-479
BRANDEIS UNIV. WALTHAM. MASS
CONSISTENCY OF THE CANONICAL REDUCTION OF GENERAL RELATIVITY
J MATH & PHYS 1 1960
BY ARNOWITT. R. — DDC NR.
DESER. S. — CONTRACT NR. AF 49<638>-636
MISNER. C W — PROJ/TASK NR. 9750-37500

AFOSR TN 60-481
BRANDEIS UNIV. WALTHAM MASS
INTERIOR SCHWARZCHILD SOLUTIONS/AND INTERPRETATION OF SOURCE TERMS
PHYS REV 120 321-24 1 OCT 1960
BY ARNOWITT R. — DDC NR.
DESER. S. — CONTRACT NR. AF 49<638>-636
MISNER C. W. — PROJ/TASK NR. 9750-37500

AFOSR TN 60-482
BRANDEIS UNIV. WALTHAM. MASS
GRAVITATIONAL-ELECTROMAGNETIC COUPLING AND THE CLASSICAL SELF-ENERGY PROBLEM
PHYS REV 120 313-320 OCT 1960
BY ARNOWITT. R. — DDC NR.
DESER. S. — CONTRACT NR. AF 49<638>-636
MISNER C. W. — PROJ/TASK NR. 9750-37500

AFOSR TN 60-483
UNIV OF SWEDEN LUND
EFFECTS OF MOTOR INNERVATION ON THE CHAMICAL SENSITIVITY OF SKELETAL MUSCEL
PHYSIOL REV/40/734-752/OCT1960
BY THESLEFF S — DDC NR. 262069
CONTRACT NR. AF 61<052>-106
PROJ/TASK NR. 9777-37700

AFOSR TN 60-484
WESTERN ONTARIO UNIV OF CAN
THE SPECTROSCOPY OF IONIC COLLISIONS 1. DESIGN AND CONSTRUCTION OF A SIMPLE 100KV PROTON ACCELERATOR JUN 1960
BY REEVES E. M. — DDC NR. 247898
NICHOLLS. R W<P.I.> — CONTRACT NR. AF 49<638>-640
PROJ/TASK NR. 9774-37663

AFOSR TN 60-485
WAYNE STATE UNIV DETROIT MICH
PREPARATION OF LARGE AREA SINGLE CRYSTAL CUPROUS OXIDE AND THE ELECTRICAL CONDUCTIVITY OF SINGLE CRYSTAL CUPROUS OXIDE AT HIGH TEMPERATURES APRU960
BY TOTH R S — DDC NR. 240469
KILKOON R — CONTRACT NR. AF 18<600>-481
TRIVICH D — PROJ/TASK NR. 9761-37610

AFOSR TN 60-486
DUKE UNIV DURHAN NC
CENTRIFUGAL EFFECTS IN MILLIMETER WAVE SPECTRA.° FORMYL FLUORIDE
NUOVO CIM SER I 17 740 1960
BY FAVERO. P. — DDC NR.
MIRRI A. M. — CONTRACT NR. AF 18<600>-497
BACON J. G. — PROJ/TASK NR. 9768-37650
GORDY. W. <P.I.>

AFOSR TN 60-487
CALIFORNIA UNIV OF BERKELEY
1960 HOMOTOPY-ABELIAN LIE GROUPS
BY ARAKI. S. — DDC NR. 244906
JAMES. I. M. — CONTRACT NR. AF 49<638>-79
THOMAS E — PROJ/TASK NR. 9769-37658
KOSTANT B <P.I.>

AFOSR TN 60-488
STANFORD UNIV CALIF
ALMOST PERIODIC FUNCTIONS ON SEMIGROUPS MAY 1960
BY DELEEUW K. — DDC NR. 238540
GLICKSBERG I. — CONTRACT NR. AF 49<638>-294
PROJ/TASK NR. 9769-37658

AFOSR TN 60-489
CASE INST OF TECHNOLOGY. CLEVELAND. O
ORDER STATISTICS AND ESTIMATORS FOR THE WEIBULL DISTRIBUTION MAR 1960
BY LEONE. F. C. — DDC NR. 237042
RUTENBERG. Y. H. — CONTRACT NR. AF 49<638>-361
TOPP. C. W. — PROJ/TASK NR. 9783-37727

AFOSR TN 60-490
CATHOLIC UNIV OF AMERICA. WASH DC
A GROUP THEORETICAL PROOF OF KRAMER-S THEOREM
PHYSICA 25 890-893 159
BY MEIJER P. H. E. — DDC NR.
CONTRACT NR. AF 49<638>-452
PROJ/TASK NR. 9751-37511

AFOSR TN 60-491
NEBRASKA UNIV OF. LINCOLN.
A STUDY OF THE BOUNDARY VALUE PROBLEM FOR NONLINEAR SECOND ORDER ORDINARY DIFFERENTIAL EQUATIONS
BY JACKSON L. K. — DDC NR. 238237
CONTRACT NR. AF 49<638>-506
PROJ/TASK NR. 9783-37727

AFOSR TN 60-492
NEW YORK UNIV N Y
OPTIMUM TRANSMISSION OF CONTINUOUS SINGAL OVER A SAMPLED DATA LINK
APPLICATIONS&INDUSTRY P1-4 JAN1961
AIEE FALL GENERAL MTG CHICAGO 9-14OCT 1960
BY CHANG S S L — DDC NR. 239440
RAGAZZINI J R <P.I.> — CONTRACT NR. AF 49<638>-586
PROJ/TASK NR. 9768-37650

AFOSR TN 60-493
NEW YORK UNIV N Y
CONTROL SYSTEM WITH MINIMUM SPECTRAL BANDWIDTH OF PLANT INPUT MAY1960
IRE TRANS ON AUTOMATIC CONTROL AC6/49-53/FEB19
BY HUNG J C — DDC NR. 239438
CHANG S S L <P.I.> — CONTRACT NR. AF 19<638>-586
RAGAZZINI J R <P.I<> — PROJ/TASK NR. 9768-37650

AFOSR TN 60-494
WESTERN ONTARIO UNIV OF CAN
ON THE NATURE OF ULTRA-VIOLET LIGHT WHICH ACCOMPANIES THE DECOMPOSITION OF SOME AZIDES
J PHYS CHEM 64 1760-1762 NOV 1960
BY NICHOLLS R. W. — DDC NR.
CONTRACT NR. AF 49<638>-640
PROJ/TASK NR. 9774-37663

AFOSR TN 60-495
1ST ELETTROTECNICO NAZIONALE TORINO ITALY
INTERNAL FRICTION OF FE AL ALLOYS DUE TO SOLUTEATOM PAIRS REMARKS ON THE THEORY OF THE EFFECT JAN1960
BY BIORCI G — DDC NR. 236777
FERRO A — CONTRACT NR. AF 61<514>-1331
MONTALENTI G — PROJ/TASK NR. 9760-37601

AFOSR TN 60-496
RADIO CORP OF AMERICA. PRINCETON. NJ
PLASMA ACCELERATION IN FIELD GRADIENT A RADIO-FREQUENCY FLUIDS 3 973-976 NOV DEC 1960
BY SWARTZ. G. A. — DDC NR.
REBOUL. T. T. — CONTRACT NR. AF 49<638>-658
GORDON. G. D. — PROJ/TASK NR. 9752-37521
LORBER H. W.
HUTTER E. C. <P.I.>

AFOSR TN 60-497
UNIV OF CHAPEL HILL NORTH CAROLINA
APPLICATIONS OF COMPLEMENTARY TRISTIMULUS COLORIMETRY MAY1960
BY REILLEY C N — DDC NR. 240176
CONTRACT NR. AF 49<638>-333
PROJ/TASK NR. 9763-37630

AFOSR TN 60-498
PISA UNIV OF ITALY
RELATION OF BRAINSTEM RETICULAR FORMATION TO ANIMAL BEHAVIO REPORT FOR THE ACADEMIC YEARS 1957-1958 AND 1958-1959
BY MORUZZI G<P.I .> — DDC NR. 242270
CONTRACT NR. AF 61<052>-107
PROJ/TASK NR. 9777-37700

AFOSR TN 60-499
TORONTO UNIV OF CAN
MEASUREMENT OF ROTATIONAL TEMPERATURE BIBRATIONAL TEMPERATURE AND MOLECULE CONCENTRATION IN NON-RADIATING FLOWS OF LOW DENSITY NITROGEN APR 1961
BY MUNTZ. E. P. — DDC NR. 258554
PATTERSON G. N. <P.I — CONTRACT NR. AF 49<638>-281
PROJ/TASK NR. 9783-37725

AFOSR TN 60-500
TORONTO UNIV OF . CANADA
MEASUREMENT OF THE DENSITY DISTRIBUTION IN A RAREFIED GAS FLOW USING THE FLUORESCENCE INDUCED BY A THIN ELECTRON BEAM UNDATED
SECOND INTERNATIONAL SYMPOSIUM ON RAREFIED GAS DYNAMICS 8/3-6/60
BY GADAMER F. O. — DDC NR. 277170
PATTERSON. G N<P.I.> — CONTRACT NR. AF 49<638>-281
PROJ/TASK NR. 9783-37725

AFOSR TN 60-501
MARYLAND UNIV OF COLLEGE PARK
ABSORPTION MECHANISMS OF NEGATIVE K MESONS AND PIONS IN LIQUID HYDROGEN APR 1960
BY DAY T. B. — DDC NR. 237128
TOLL. J. S.<P.I.> — CONTRACT NR. AF 49<638>-24
PROJ/TASK NR. 9751-37512

AFOSR TN 60-502
NEW YORK YNIV. NY
REACTION KINETICS THERMODYNAMICS AND TRANSPORT PROPERTIES OF THE OZONE-OXYGEN SYSTEM.° A SURVEY OF PROPERTIES FOR FLAME STUDIES
BY CAMPBELL E. S. — DDC NR. 242327
MIDELMAN. C. — CONTRACT NR. AF 49<638>-169
PROJ/TASK NR. 9751-37510

AFOSR TN 60-503
UNIV OF COLLEGE PARK MARYLAND
EXTENSIONS OF THE LAPLACE CASCADE METHOD APR1960
BY BILLINGS J H — DDC NR. 236675
WEINSTEIN A<PI> — CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

AFOSR TN 60-504
POLYTECHNIC INST OF BROOKLYN. NY
TEMPERATURE DISTRIBUTION AND THERMAL STRESSES IN STRUCTURES WITH CONTACT RESISTANCES MAY 1960
BY POHLE. F. V. — DDC NR. 237149
LARDNER T. J. — CONTRACT NR. AF 49<638>-302
FRENCH. F. W. — PROJ/TASK NR. 9782-37717
KEMPNER. J. <P.I.>

AFOSR TN 60-505
MARYLAND UNIV OF COLLEGE PARK
PRELIMINARY STUDIES ON BOUNDARY-LAYER TRANSITION CAUSED BY THIN TRANSVERSE WIRE FLOATING FROM SURFACE APR 1960
BY — DDC NR. 236776
CONTRACT NR. AF 49<638>-645
PROJ/TASK NR. 9781-37712

AFOSR TN 60-506
CHICAGO UNIV OF. ILL
SEMI-SIMILARITY INVARIANTS FOR SPECTRAL OPERATORS ON HILBERT SPACE MAY 1960
TRNAS MATH SOC 100 277-324 AUG 1961
BY FELDZAMEN A. N. — DDC NR. 237731
CONTRACT NR. AF 49<638>-693
PROJ/TASK NR. 9783-37727

AFOSR TN 60-507
CARNEGIE INST OF TECH PITTSBURGH PA
ACQUISITION OF PERCEPTUAL RESPONSES AS A FUNCTION OF LOADING LOCATION AND REPETITION
J EXPER PSYCH 62/62-69/1961
BY KARN H W — DDC NR. 263242
GREGG L W — CONTRACT NR. AF 49<638>-770
PROJ/TASK NR. 9778-37708

AFOSR TN 60-508
POLYTECHNIC INST OF BROOKLYN, NY
ANALYTIC SOLUTIONS OF PLANAR REENTRY TRAJECTORIES WITH LIFT AND DRAG APR 1960
BY WANG, K. — DDC NR. 237370
TING, L. — CONTRACT NR. AF 49<638>-445
PROJ/TASK NR. 9781-37712
FERRI, A. <P.I.>

AFOSR TN 60-509
CALIFORNIA UNIV OF BERKELEY
BEHAVIOR OF A FIELD-SWEPT MASER OSCILLATOR APR 1960
BY KEMP J. C. — DDC NR. 239720
WHINNERY, J R<P.I.> — CONTRACT NR. AF 49<638>-102
PROJ/TASK NR. 9768-37650

AFOSR TN 60-510
CALIFORNIA UNIV OF BERKELEY
OPERATIONAL ANALYSIS OF FINITE PULSED SAMPLED DATA SYSTEM MAY 1960
BY NISHIMURA T. — DDC NR. 239900
JURY, E. I.<P.I.> — CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR TN 60-511
UNIV OF MADISON WISCONSIN
HYDROGEN BONDING STUDIES V THE RELATIVE BASICITIES OF ETHERS ALKOXYSILANES AND SILOXANCES AND THE NATURE OF THE SILICON-OXYGEN BOND
JACS83 761-764 FEB1961
BY WEST R — DDC NR.
WHATLEY L S — CONTRACT NR. AF 49<638>-285
LAKE K J — PROJ/TASK NR.

AFOSR TN 60-512
STANFORD RSCH INST MENLO PARK CALIF
MASS SPECTROMETRIC STUDY OF THE HEATS OF DIMERIZATION OF THE ALKALI CHLORIDES
J CHEM PHYS 33 1628-1637 DEC1960
BY MILNE T A — DDC NR. 239918
KLEIN H M — PROJ/TASK NR. AF 49<638>-89
CUBICCIATTI<PI> — PROJ/TASK NR. 9760-37600

AFOSR TN 60-513
UNIV OF SEATTLE WASHINGTON
SECOND VIRIAL COEFFICIENTS OF NEON, ARGON, KRYPTON AND XEONON ON A GRAPHITIZED CARBON BLACK
J PHYS CHEM 64 1689-1696 1960
BY HALSEY JR G D — DDC NR. 249889
CONTRACT NR. AF 49<638>-723
PROJ/TASK NR. 9761-37610

AFOSR TN 60-514
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
REDUCTION OF THE BOUNDARY LAYER THICKNESS IN A HYPERSONIC NOZZLE MAY 1960
BY WAITER S. A. — DDC NR. 238122
CHUAN, R. L. <P.I.> — CONTRACT NR. AF 18<603>-95
PROJ/TASK NR. 9783-37725

AFOSR TN 60-515
MCMASTER UNIV ONTARIO, CAN
SOME DETERMINATIONS OF ATOMIC MASSES IN THE STRONTIUM ZIRCONIUM REGION AUG 1960
CAN PHYS 38 819-823 1960
BY ISENOR, N. R. — DDC NR. 240110
BARBER, R. C. — CONTRACT NR. AF 49<638>-247
DUCKWORTH H. E. — PROJ/TASK NR. 9750-37500

AFOSR TN 60-516
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
INTERACTIONS AMONG BURNING FUEL DROPLETS I A SINGLE FUEL PLATE MAY 1960
BY TAU-YI TOONG — DDC NR. 239513
CONTRACT NR. AF 49<638>-629
PROJ/TASK NR. 9751-37510

AFOSR TN 60-517
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
INTERACTIONS AMONG BURNING FUEL DROPLETS II TWO PARALLEL FUEL PLATES MAY 1960
BY TAU-YI TOONG — DDC NR. 239669
CONTRACT NR. AF 49<638>-629
PROJ/TASK NR. 9751-37510

AFOSR TN 60-518
COLUMBIA UNIV NY
VELOCITY ANALYSIS OF MOLECULAR BEAMS GENERATED FROM NAOH VAPORS
J CHEM PHYS 33 1718 1720 DEC 1960
BY RAO V. S. — DDC NR. 251559
SCHOONMAKER R. C. — CONTRACT NR. AF 49<638>-557
KUSCH, O. <P.I.> — PROJ/TASK NR. 9767

AFOSR TN 60-519
RUTGERS UNIV NEW BRUNSWICH N J
X-RAY STUDY OF LATTICE DEFECTS IN FATIGUED SINGLE CRYSTALS JUL 1960
BY WEISMANN S — DDC NR. 239627
SHIER A — PROJ/TASK NR. AF 49<638>-17
SLADE JR J J — PROJ/TASK NR. 9763-37631

AFOSR TN 60-522
UNIV OF COLLEGE PARK MARYLAND
DISTRIBUTION FUNCTIONS AND QUANTUM STATISTICS MAY1960
BY AYRES R — DDC NR. 237448
MEYERS R D <P.I.> — CONTRACT NR. AF 49<638>-399
FERRELL R A <P.I.> — PROJ/TASK NR. 9763-37631

AFOSR TN 60-523
NEW YORK UNIV N Y
A SYSTEMATIC STUDY OF INTERACTION PROCESS SCORES, PEER AND SELF-ASSESSMENTS, PERSONALITY AND OTHER VARIABLES
BY BORGATTA E F — DDC NR.
CONTRACT NR. AF 49<638>-195
PROJ/TASK NR. 9778-37707

AFOSR TN 60-524
NORTHWESTERN UNIV EVANSTON ILL
TEMPERATURE AND COMPOSITION DEPENDENCE OF THE STRENGTH OF AL BASE ZN ALLOY SINGLE CRYSTALS MAY1960
ACTA METAL 9/149-154/FEB1961
BY DASH J — DDC NR. 239912
FINEMEE — CONTRACT NR. AF 49<638>-524
PROJ/TASK NR. 9760-37601

AFOSR TN 60-525
UNIV OF URBANA ILLINOIS
ON THE CRYSTALLOGRAPHY OF MAETENS2TE THE <225> TRANSFORMATION IN ALLOYS OF IRON
ACTA METALL 9/391-402/MAY1961
BY HANAFFE J F — DDC NR. 239362
READ T A — CONTRACT NR. AF 49<638>-420
WAYMAN C M — PROJ/TASK NR. 9760-37601

AFOSR TN 60-526
NORTHWESTERN UNIV EVANSTON ILLINOIS
SUBLIMATION OF SMALL SODIUM CHLORIDE SPHERES INTO ARGON
J CHEM PHYS 33/917-920/SEP1960
BY WHITMORE D H — DDC NR. 237906
MOSER J B — CONTRACT NR. AF 49<638>-436
PROJ/TASK NR. 9762-37621

AFOSR TN 60-527
UNIV OF BERKELEY CALIFORNIA
SPECIFIC HEAT OF METALS AND ALLOYS
BY HULTGREN R — DDC NR. 239241
PROJ/TASK NR. AF 49<638>-83
PROJ/TASK NR. 9760-37601

AFOSR TN 60-528
POLYTECHNIC INST OF BROOKLYN NY
CREEP BENDING OF ANNULAR PLATES MAY 1960
BY PATEL S. A. — DDC NR. 238696
VENKATRAMAN B. — CONTRACT NR. AF 49<638>-302
KEMPNER, J. <P.I.> — PROJ/TASK NR. 9782-37717

AFOSR TN 60-529
POLYTECHNIC INST OF BROOKLYN NY
AN ALGEBRAIC APPROACH TO SEQUENTIAL SWITCHING CIRCUIT PROBLEMS APR 1960
BY CHARNEY H. R. — DDC NR. 238171
WEBER, E. <P.I.> — CONTRACT NR. AF 18<600>-1505
MARCUVITZ, N. — PROJ/TASK NR. 4751
TRUXAL, J. G.

AFOSR TN 60-530
JOHNS HOPKINS UNIV BALTIMORE, MD
THE MASS OF THE SIGMA-PLUS HYPERON
IL NUOVO CIM 18 147-153 OCT 1960
BY PERRY H. F. — DDC NR. 239905
PEVSNER A. — CONTRACT NR. AF 18<603>-143
PROJ/TASK NR. 9750-37500

AFOSR TN A0-531
JOHNS HOPKINS UNIV BALTIMORE, MD
INCREASED FIELD DEPTH IN TRACK PHOTOGRAPHY BY MEANS OF SPHERICAL ABERRATION MAY 1960
BY RASETTI F. — DDC NR. 239950
PEVSNER, A.<P.I.> — CONTRACT NR. AF 18<603>-143
PROJ/TASK NR. 9750-37500

AFOSR TN 60-532
ZATOR CO CAMBRIDGE MASS
THE TAPE TYPEWRITER PLAN A METHOD FOR COOPERATION IN DOCUMENTATION JUL 60
ASLIB PROC 12 277-291 AUG 1960
BY MOOERS C. N. — DDC NR. 239984
SOLOMONOFF R.J.<P.I. — CONTRACT NR. AF 49<638>-376
PROJ/TASK NR. 9769-37659

AFOSR TN 60-533
STANFORD UNIV CALIF
ANALYSIS OF A MAGNETIC RESONANCE SPECTROMETER JUN 1960
REV SCI INSTR 31 1044-1046 OCT 1960
BY GOLDSBOROUGH J. P. — DDC NR. 238355
MANDEL M. — CONTRACT NR. AF 18<603>-131
PAKE, G. E. <P.I.> — PROJ/TASK NR. 9751-37511

AFOSR TN 60-534
POLYTECHNIC INST OF BROOKLYN NY
SYNTHESIS OF LOGIC NEWTORK MAR 1960
BY GOLDSTEIN M. — DDC NR. 238076
WEBER, E. <P.I.> — CONTRACT NR. AF 18<600>-1505
MARCUVITZ, N. — PROJ/TASK NR. 4751
TRUXAL, J. G.

AFOSR TN 60-535
DUKE UNIV DURHAM, NC
OBSERVATION OF 11-STARK COMPONENTS IN MICROWAVE SPECTROSCOP PRECISION MEASUREMENTS ON HCN
PHYS REV 119 144-149 JUL 1960
BY BHATTACHARYA B. N. — DDC NR.
GORDY, W. — CONTRACT NR. AF 18<600>-497
PROJ/TASK NR. 9768-37650

AFOSR TN 60-536
DUKE UNIV DURHAM NC
ANOMALOUS STARK EFFECTS IN THE MILLIMETRE WAVE SPECTRA FORMYL FLUORIDE
NUOVO CIM SER X 17 740 1960
BY FAVERO P. — DDC NR. 254999
BAKER J. G. — CONTRACT NR. AF 18<600>-497
GORDY, W. <P.I.> — PROJ/TASK NR. 9768-37650

AFOSR TN 60-937
YESHIVA UNIV NEW YORK, NY
ASYMPTOTIC VALUE OF THE PAIR DISTRIBUTION NEAR A WALL
FLUIDS 5 66-68 1960
BY LEBOWITZ J. L. DDC NR. 261257
CONTRACT NR. AF 49(638)-749
PROJ/TASK NR. 9761-17611

AFOSR TN 60-938
BROWN UNIV PROVIDENCE, RI
EFFECTS OF ACOUSTIC MICROSTREAMING AT ELECTRODES
BY NYBORG W. L. DDC NR. 238661
SPEGAL M. I. L. CONTRACT NR. AF 18(603)-56
PROJ/TASK NR. 9761-17611

AFOSR TN 60-939
BROWN UNIV PROVIDENCE, RI
SONICALLY-INDUCED MICROSTREAMING NEAR A PLANE BOUNDARY.I
I. THE SONIC GENERATOR AND ASSOCIATED ACOUSTIC FIELD
BY JACKSON P. L. DDC NR. 238661
NYBORG W. L. CONTRACT NR. AF 18(603)-56
PROJ/TASK NR. 9761-17611

AFOSR TN 60-940
UNIV OF SWEDEN UPPSALA
BLOOD VESSEL CHANGES FOLLOWING LOCAL IRRADIATION OF
THE BRAIN WITH HIGH-ENERGY PROTONS
ACTA SOC MEDICORUM UPSALIENSIS 65(61-71)
BY LARSSON B DDC NR. 262614
SUEDBERG T <P.I.> CONTRACT NR. AF 61(052)-183
PROJ/TASK NR. 9777-17200

AFOSR TN 60-941
HARVARD UNIV. CAMBRIDGE, MASS
THE ZEROS OF HERMITE POLYNOMIALS WITH SOME PRESCRIBED
COEFFICIENTS JUL 1960
BY SHISHA O. DDC NR. 246391
WALSH J. L. CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9769-17658

AFOSR TN 60-942
HARVARD UNIV. CAMBRIDGE, MASS
NOTE ON POLYNOMIA
PROC NAS 46 981-983
BY WALSH J. L. CONTRACT NR.
PROJ/TASK NR.

AFOSR TN 60-943
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
A STUDY OF THE ELECTRICAL CONDUCTIVITY AND THE
SOLUBILITY OF THE SYSTEMS ALUMINUM CHLORIDE-TRICHLOROBORANE
AND ALUMINUM BROMIDE-TRIBROMOBORANE
BY BARNES R L DDC NR. 237150
BARTIE T CONTRACT NR. AF 49(638)-86
PROJ/TASK NR. 9762-17620

AFOSR TN 60-944
INST FOR ADVANCED STUDY, PRINCETON, N.J.
AN EXACT SEQUENCE IN DIFFERENTIAL TOPOLOGY MAY 1960
BY HIRSCH M. W. DDC NR. 238158
MORSE, M. <P.I.> CONTRACT NR. AF 49(638)-251
BEURLING, A. PROJ/TASK NR. 9783-17727

AFOSR TN 60-945
INST FOR ADVANCED STUDY, PRINCETON, N.J.
ON EMBEDDING DIFFERENTIABLE MANIFOLDS IN EUCLIDEAN SPACE
MAY 1960
BY HIRSCH M. W. DDC NR. 238157
MORSE, M. <P.I.> CONTRACT NR. AF 49(638)-251
BEURLING, A.<P.I.> PROJ/TASK NR. 9783-17727

AFOSR TN 60-946
STANFORD UNIV CALIF
HIGH ENERGY ELECTRON-ELECTRON SCATTERING
PHYS REV 120 269-286 OCT1960
BYAT YUNG SU DDC NR. 238059
CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-17600

AFOSR TN 60-947
WASHINGTON UNIV ST LOUIS MO
PRODUCTS OF PRINCIPAL VALUE SINGULARITIES USED IN THE
FORMAL THEORY OF SCATTERING
J MATH PHYS 2 198-201 MAR-APR1961
BY TANI S DDC NR. 260996
CORDON F UCPI> CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9791-17912

AFOSR TN 60-948
JOHNS HOPKINS UNIV BALTIMORE, MD
A DETERMINATION OF BACKGROUND RADIATION AND THE EFFECT OF
SHIELDING JUN 1960
BY PERRY, M. P. DDC NR. 239969
PEYSNER, A. CONTRACT NR. AF 18(603)-169
PROJ/TASK NR. 9750-17600

AFOSR TN 60-949
COLUMBIA UNIV NY
HALOGEN BOND CHARACTER IN THE ALKYL HALIDES
J CHEM PHYS 33/1641-1645/DEC1960
BY BAILEY B P DDC NR.
CONTRACT NR. AF 18(600)-1192
PROJ/TASK NR. 9760-17600

AFOSR TN 60-950
UNIV OF COLLEGE PARK MARYLAND
AN ITERATIVE SOLUTION OF LARGE SCALE SYSTEMS OF
SIMULTANEOUS LINEAR EQUATIONS MAY1960
BY BELLAR JR F J DDC NR. 237635
WEINSTEIN A <P.I.> CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9 P5-17727

AFOSR TN 60-951
UNIV OF PA PITTSBURGH
RECORDING OF SPECTROMETER FOR NUCLEAR
QUADRUPOLE ZEEMAN SPECTRA
REV SCI INSTR 31 936-941 SEP1960
BY BEAN C DDC NR.
KEPPER P <P.I.> CONTRACT NR. AF 49(638)-323
ANDERSON J <P.I.> PROJ/TASK NR. 9760-17601

AFOSR TN 60-952
HARVARD UNIV CAMBRIDGE MASS
ORGANOBORON HALIDES V PERFLUOROVINYLBORON COMPOUNDS
JACS 82 6238-6240 DEC1960
BY STAFFORD S L DDC NR. 262310
STONE F G A CONTRACT NR. AF 49(638)-518
PROJ/TASK NR. 9762-17620

AFOSR TN 60-954
CALIFORNIA UNIV OF BERKELEY
ORIGIN AND PROPAGATION OF CRACKS IN MAGNESIUM OXIDE
SINGLE CRYSTALS MAY 1960
BY MURRAY E DDC NR. 261099
PARKER E R CONTRACT NR. AF 49(638)-601
HIMMEL L PROJ/TASK NR. 9759-02

AFOSR TN 60-955
CONNECTICUT UNIV OF, STORRS
ON ORTHONORMAL SERIES AND DENSITY OF INTEGERS MAY 1960
DUKE MATH J 28 193-202 PAR 1961
BY GOSSELIN R. P. DDC NR. 238207
CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9781-17777

AFOSR TN 60-956
CASE INST OF TECHNOLOGY CLEVELAND O
NEW ALUMINUM PHTHALOCYANINES
J INORG CHEM 1 931-933 1962
138TH MTG NATIONAL AMER. CHEM. SOCIETY METTING
NEW YORK CITY FALL 60
BY OWEN J F DDC NR.
KENNEY M E CONTRACT NR. AF 49(638)-729
PROJ/TASK NR. 9767-17630

AFOSR TN 60-957
ALFRED UNIV N Y
A STUDY OF THE CORRELATION BETWEEN THE DEFECT SOLID STATE
AND CATALYSIS ANNUAL SUMMARY REPORT,
FEBRUARY 1959 - FEBRUARY 1960
BY GRAY T J DDC NR. 236721
HALL D M CONTRACT NR. AF 49(638)-[illegible]
CARPENTER D O PROJ/TASK NR. 9761-17610

AFOSR TN 60-958
UNIV OF MINNEAPOLIS MINNESOTA
STRUCTURE OF CELLORIOSF
NATURE 184 1719-1720 NOV 1959
BY JACOBSON R A DDC NR. 237160
BRUNBERLICH J A CONTRACT NR. AF 49(638)-[illegible]
LIPSCOMB W N PROJ/TASK NR. 9760-17600

AFOSR TN 60-959
UNIV OF MINNEAPOLIS MINNESOTA
THE STRUCTURE OF B-CARBHYDRINE
TETRAHEDRON 6 103-108 1959
BY YANAI M S DDC NR. 238007
LIPSCOMB W N PROJ/TASK NR. AF 49(638)-[illegible]
PROJ/TASK NR. 9760-17600

AFOSR TN 60-960
NEW YORK UNIV N Y
KINETIC LYAPUNOV FUNCTION FOR STABILITY ANALYSIS OF
NONLINEAR CONTROL SYSTEMS
BY CHANG S S L DDC NR.
POGOZELSKI J RCPI> CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-17650

AFOSR TN 60-961
NEW HAMPSHIRE UNIV OF DURHAM
INTERACTION BETWEEN COLD PLASMAS AND GUIDED
ELECTROMAGNETIC WAVES
PHYS OF FLUIDS 5 806-810 SEP-OCT 1960
BY BUCHSBAUM, S. J. DDC NR. 260947
MOWER, L. CONTRACT NR. AF 49(638)-617
BROWN, S. C. PROJ/TASK NR. 9768-17650

AFOSR TN 60-962
SYRACUSE UNIV NY
NOTE ON GAUGE TRANSFORMATIONS IN QUANTUM MECHANICS
ANFR J PHYS 29 24-26 JAN1961
BY BARUT A O DDC NR. 259891
LEISER M CONTRACT NR. AF 49 638)-801
PROJ/TASK NR. 9791-17912

AFOSR TN 60-963
SYRACUSE UNIV NY
DELTA 9 SYMMETRIZATION AND THE
STRONG-REFLECTION INVARIANCE
BY BARUT A O DDC NR.
CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9791-17912

AFOSR TN 60-964
SYRACUSE UNIV NY
EXTRA SOLUTIONS OF THE DISPERSION RELATIONS AND
RESONANCE SCATTERING
NUC PHYS 21 500-509 1960
BY BARUT A O DDC NR. 259892
RUEI E M CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9791-17912

AFOSR TN 60-969
SYRACUSE UNIV NY
THE KEMMER BETA-FORMALISM FOR PARTICLES OF SPIN ONE-HALF
NUOVO CIM SER X 17 876-880 SEP1960
BY BARUT A O DDC NR. 259893
SAMIULLAH M CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9791-17912

AFOSR TN 60-966
SYRACUSE UNIV NY
BOSON CURRENTS IN THE THEORY OF WEAK INTERACTIONS
PHYS REV 121 908-916 FEB1961
BY ZELENY W B DDC NR. 259894
BARUT A O CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9791-17912

AFOSR TN 60-567
WASHINGTON UNIV ST LOUIS MO
STRUCTURE OF WEAK INTERACTIONS
BY DREITLEIN J F — DDC NR. 241698
CONDON E U<PI> — CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 60-568
INST FOR ADVANCED STUDY, PRINCETON, N.J.
ASYMPTOTIC DECAY OF SOLUTIONS OF DIFFERENTIAL INEQUALITIES
MAY 1960
BY COHEN, P. J. — DDC NR. 238159
LEES, M. — CONTRACT NR. AF 49<638>-253
MORSE, M.<P.I.> — PROJ/TASK NR. 9783-37727
BEURLING, A. <P.I.>

AFOSR TN 60-569
PENNSYLVANIA, UNIV OF, PHILADELPHIA
REGIONALLY ALMOST PERIODIC TRANSFORMATION GROUPS 1960
BY BIDWELL, L. — DDC NR. 242695
ELLIS, R. <P.I.> — CONTRACT NR. AF 49<638>-569
PROJ/TASK NR. 9783-37727

AFOSR TN 60-570
MARYLAND UNIV OF COLLEGE PARK
AN ORDERING PRINCIPLE FOR CONSERVATION LAWS IN TWO VARIABLES JUN 1960
BY DOUGLIS, A. — DDC NR. 238073
CONTRACT NR. AF 49<638>-590
PROJ/TASK NR. 9783-37727

AFOSR TN 60-571
MARYLAND UNIV OF COLLEGE PARK
ON THE UNIQUENESS OF GENERALIZED SOLUTIONS OF FIRST ORDER QUASILINEAR PARTIAL DIFFERENTIAL EQUATIONS JUN 1960
BY DOUGLIS, A. — DDC NR. 238074
CONTRACT NR. AF 49<638>-590
PROJ/TASK NR. 9783-37727

AFOSR TN 60-572
MARYLAND UNIV OF COLLEGE PARK
CONTINUOUS DEPENDENCE AND UNIQUENESS IN CAUCHY-S PROBLEM FOR FIRST ORDER, NON-LINEAR, PARTIAL DIFFERENTIAL EQUATIONS JUN 1960
BY DOUGLIS, A. — DDC NR. 238075
CONTRACT NR. AF 49<638>-590
PROJ/TASK NR. 9783-37727

AFOSR TN 60-573
WESTINGHOUSE ELECTRIC CORP
A HIGH REGULATION ION GAUGE POWER SUPPLY MAY 1960
BY KNOLL J S — DDC NR.
CONTRACT NR. AF 49<638>-591
PROJ/TASK NR. 9767

AFOSR TN 60-574
MICHIGAN UNIV OF ANN ARBOR
ABSOLUTELY CONVERGENT POWER SERIES JUN 1960
ANNALES UNIVERSITATIS SCIENTIARUM BUDAPESTINENSIS
BY BAGEMIHL, F. — DDC NR. 239274
PIRANIAN G. — CONTRACT NR. AF 49<638>-633
PROJ/TASK NR. 9752-37522

AFOSR TN 60-575
UNIV OF ILL CHICAGO
QUANTIZATION OF NON-LINEAR SYSTEMS
J M PHYS 1 468-488 NOV-DEC1960
BY SEGAL I E — DDC NR. 238336
CONTRACT NR. AF 49<638>-666
PROJ/TASK NR. 9783-37727

AFOSR TN 60-576
MARYLAND UNIV OF COLLEGE PARK
THE WAVE MOTIONS OF SMALL AMPLITUDE IN A FULL IONIZED PLASMA PART II, WITH LONGITUDINAL APPLIED MAGNETIC FIELD APR 1960
BY PAI S. I. — DDC NR. 237900
BURGERS J. M.<P.I.> — CONTRACT NR. AF 49<638>-401
PROJ/TASK NR. 9781-37713

AFOSR TN 60-577
STANFORD UNIV CALIF
DEVELOPMENT OF A FINITE-DIFFERENCE METHOD FOR COMPUTING A COMPRESSIBLE LAMINAR BOUNDARY LAYER WITH INTERACTION MAY 1960
BY FLUGGE-LOTZ I — DDC NR. 242621
YU E — CONTRACT NR. AF 49<638>-550
PROJ/TASK NR. 9781-37712

AFOSR TN 60-580
DUKE UNIV DURHAM, NC
ELECTRON PARAMAGNETIC RESONANCE STUDIES OF CYTOCHROME AND HEMOGLOBIN <IRRADIATED AND UNIRRADIATED>
BY GORDY, W. — DDC NR.
REXROAD, N. — CONTRACT NR. AF 18<600>-497
PROJ/TASK NR. 9768-37650

AFOSR TN 60-581
DUKE UNIV DURHAM, NC
A PROPOSED MOLECULAR AMPLIFIER AND COHERENT GENERATOR FOR MILLIMETER AND SUBMILLIMETER WAVES
J APP PHYS 31 941-942 MAY 1960
BY GORDY, W. — DDC NR.
COWAN, M. — CONTRACT NR. AF 18<600>-497
PROJ/TASK NR. 9768-37650

AFOSR TN 60-582
JOHNS HOPKINS UNIV, BALTIMORE, MD
ON SOLUTIONS OF THE HELMOLTZ EQUATION IN EXTERIOR DOMAINS MAY 1960
BY HARTMAN P. — DDC NR. 239065
WILCOX, C. — CONTRACT NR. AF 18<603>-41
PROJ/TASK NR. 9783-37727

AFOSR TN 60-583
FORDHAM UNIV NEW YORK NY
SYDRONES III, PREPARATION AND INTERCONVERSION OF MERCURATED DERIVATIVES OF N-<3-PYRIDYL>SYDRONE MAY1960
JACS 83 178-182 JAN1961 N Y ACS MEETING IN SEPT
BY HUNSBERGER — DDC NR. 239167
TAN J M<PI> — CONTRACT NR. AF 18<603>-127
PROJ/TASK NR. 9762-37620

AFOSR TN 60-584
U&FORDHAM UNIV NEW YORK NY
PREPARATION OF N-SUBSTITUTED GLYCINES, II.N-<3,5-DINITRO-2-THIENYL>GLYCINE
JORG CHEM 25 2056-2057 NOV1960
BY TIEN J M — DDC NR.
HUNSBERGER I M — CONTRACT NR. AF 18<603>-127
PROJ/TASK NR. 9762-37620

AFOSR TN 60-585
STANFORD UNIV CALIF
THE SPECIFIC HEAT OF THE EXCHANGE SYSTEM OF SOME FREE RADICALS BETWEEN 1.6°K AND 4.2°K
BY GOLDSBOROUGH, J. P. — DDC NR.
MANDEL, M. — CONTRACT NR. AF 18<603>-131
PAKE, G. E. — PROJ/TASK NR. 9751-37511

AFOSR TN 60-586
BRANDEIS UNIV WALTHAM, MASS
PERIODIC GROUND STATES AND THE MANY BODY PROBLEM
PHYS REV LTRS 4 599-601 JUN 1960
BY GROSS E P — DDC NR.
CONTRACT NR. AF 49<638>-27
PROJ/TASK NR. 9751-37511

AFOSR TN 60-587
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
SINGULAR INTEGRAL EQUATIONS, BOUNDARY BALUE PROBLEMS AND THE RIEMANN-ROCH THEOREM 1960
BY KOPPELMAN W. — DDC NR. 238232
MARTIN, W. T.<P.I.> — CONTRACT NR. AF 49<638>-42
PROJ/TASK NR. 9769-37658

AFOSR TN 60-588
CORNELL UNIV ITHACA NY
ELIMINATION OF AVION INTERFERENCES IN FLAME SPECTROSCOPY
ANAL CHEM 32 1471-1474 OCT1960
BY WEST A C — DDC NR.
COOKE W D — CONTRACT NR. AF 49<638>-484
PROJ/TASK NR. 9763-37630

AFOSR TN 60-589
COLUMBIA UNIV NY
THE ELECTRON SPIN RESONANCE SPECTRUM OF THE CUCLOOCTATETRAENYL RADICAL ANION APR1960
BYAENKEL G K — DDC NR. 242503
KATZ T J — CONTRACT NR. AF 49<638>-520
STRAUSS H L — PROJ/TASK NR. 9763-37630

AFOSR TN 60-590
WASHINGTON STATE UNIV PULLMAN
INTRODUCTION TO TABLES ON PYROLYSIS OF ESTERS
PYROLYSIS OF CARBOXYLATES JUN1960
BY SMITH GG — DDC NR. 238726
CONTRACT NR. AF 49<638>-616
PROJ/TASK NR. 9760-37600

AFOSR TN 60-592
CALIFORNIA UNIV OF BERKELEY
APR 1960, FLOW STUDIES IN AN ARC HEATED LOW DENSITY SUPERSONIC WIND TUNNEL
BY BRUNDIN, C. L. — DDC NR. 237468
TALBOT, L. — CONTRACT NR. AF 49<638>-502
SHERMAN F. S. — PROJ/TASK NR. 9781-37712

AFOSR TN 60-594
HARVARD UNIV, CAMBRIDGE, MASS
DEGREE OF APPROXIMATION BY BOUNDED HARMONIC FUNCTIONS
PROC NAS 46 1390-1393 OCT 1960
BY WALSH, J. L. — DDC NR. 244393
CONTRACT NR. AF 49<638>-574
PROJ/TASK NR. 9769-37658

AFOSR TN 60-595
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
NEED FOR LARGE-SCALE COMPUTING EQUIPMENT FOR INFORMATION RETRIEVAL IN THE GROTH INSTITUTE DEC1959
BY PEPINSKY R — DDC NR. 279805
CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 60-596
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
DISCUSSION OF THE GROTH INSTITUTE AS PREPARED FOR DOCUMENTATION RESEARCH PROJECT, AMERICAN INSTITUTE OF PHYSICS APR1960
BY PEPINSKY R — DDC NR. 279790
CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 60-597
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROPERTY SORT <65> OF ORTHORHOMBIC CRYSTALS, INDEX NUMBERS 500-999 IN THE BANKER INDEX OF CRYSTALS V.1PT.II JAN1960
BY VAND V — DDC NR.
PEPINSKY R — CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 60-598
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROPERTY SORT <55> OF ORTHORHOMBIC CRYSTALS INDEX NUMBERS 1000-1499, IN THE BANKER INDEX OF CRYSTALS V1PT.II FEB1960
BY VAND V — DDC NR.
PEPINSKY R — CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 60-599
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
LITERATURE IMAGE <BL> OF MONOCLINIC CRYSTALS INDEX NUMBERS 1-499, IN THE BANKER INDEX OF CRYSTALS V.1IPT.II FEB1960
BY VAND V — DDC NR.
PEPINSKY R — CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR TN 60-600
NEW YORK UNIV N Y
DIGITIZED MAXIMUM PRINCIPLE
PROC IRE DEC1960 2030-2031
BY CHANG S S L — DDC NR. 245996
RAGAZINO J R <P.I.> — CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-37650

AFOSR TN 60-601
CALIFORNIA UNIV OF, BERKELEY
ELECTRON SPIN RESONANCE IN NEUTRON-IRRADIATED CALCITE
<MISPRINTED TN 59-366>
CHEM PHY 33 1269-1270 3CT 1960
BY KEMP, J. C. — DDC NR. 242247
WHINNERY, J R <P.I.> — CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9768-37650

AFOSR TN 60-602
POLYTECHNIC INST OF BROOKLYN NY
PROPAGATION CHARACTERISTICS OF DIELECTRIC ROD WAVEGUIDE
MAR 1960
BY BIERNBAUM L. — DDC NR.
WEBER, E. <P.I.> — CONTRACT NR. AF 18(600)-1505
MARCUVITZ, N — PROJ/TASK NR. 4751
TRUXAL, J. G.

AFOSR TN 60-603
PURDUE UNIV LAFAYETTE IND
DISSOCIATION CONSTANTS OF THE ACID SALTS OF
ETHYLENEDIAMETETRAACETIC ACID 1960
JACS 82 5602-5605 NOV1960 WITH TMLE IONIZATION OF
ETHYLENEDIAMINETETRAACATIC ACID AND ITSACID SALTS
AD253092 APPLIED TO SUPERSEDES 237727
BY OLSON D C — DDC NR. 253092
MARGRUM D W — CONTRACT NR. AF 49 (638)-60
PROJ/TASK NR. 9763-37630

AFOSR TN 60-604
UNIV OF LOS ANGELES SOUTHERN CALIFORNIA
A NITROGEN ANALOGY OF SESQUIFULVALENE
JACS 82 3793-3795 JUL1960
BY BERSON J A — DDC NR.
EVLETH E M — CONTRACT NR. AF 49(638)-828
HAMLET Z — PROJ/TASK NR. 9760-37600

AFOSR TN 60-606
MELLON INST PITTSBURGH PA
RECENT RESULTS IN THE CONTINUUM THEORY OF
VISCOELASTIC FLUIDS MAY1960
ANNALS ACAD SCI 89 672-714 JAN1961
BY COLEMAN B D — DDC NR. 239077
NOLL W — CONTRACT NR. AF 49 (638)-541
PROJ/TASK NR. 9760-37600

AFOSR TN 60-607
BOSTON UNIV MASS
NONDEGRADATIVE REACTION OF ACTIVE NITROGEN WITH
CONJUGATED DIENES JUN1960
BY SUKAMOTS A T — DDC NR. 239940
LICHTIN N N — CONTRACT NR. AF 49(638)-2
PROJ/TASK NR. 9763-37600

AFOSR TN 60-608
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
YIELD CONDITIONS OF PLATES AND SHELLS BY MISES-HENCKY
CRITERION JUN 1960
BY PIAN T. H. H. — DDC NR. 239634
CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-37718

AFOSR TN 60-609
UNIV OF LOS ANGELES CALIFORNIA
EXTENSIONS IN SYNTHESIS TECHNIQUES FOR
LINEAR SYSTEMS <PART II> MAY1960
BY SCHWARTZ M D — DDC NR. 241884
STRIN E E <P.I.> — CONTRACT NR. AF 49(638)-438
LEONDES C J <P.I.> — PROJ/TASK NR. 9783-37726

AFOSR TN 60-610
UNIV OF LOS ANGELES CALIFORNIA
EXTENSIONS IN SYNTHESIS TECHNIQUES FOR
LINEAR SYSTEMS <PART I> MAY1960
BY SCHWARTZ M D — DDC NR. 241883
LEONDES C T — CONTRACT NR. AF 49(638)-438
ESTRIN E <P.I.> — PROJ/TASK NR. 9783-37726

AFOSR TN 60-611
AERONAUTICAL RSCH INST OF SWEDEN
SOME RESULTS FROM AN INVESTIGATION OF INTERFERENCE EFFECTS
AT HIGH SUPERSONIC SPEEDS 1960
BY DROUGGE G. — DDC NR.
WILBY P. — CONTRACT NR. AF 61(052)-75
PROJ/TASK NR. 9781-37712

AFOSR TN 60-612
COLUMBIA UNIV NY
HYPERFINE STRUCTURE OF THE METASTABLE 3P2 STATE OF CD111
CD113 FEB 61
PHYS REV 120 469 OCT 1960
BY FAUST, W. — DDC NR. 251338
MCDERMOTT, M. — CONTRACT NR. AF 49(638)-557
KUSCH, P. <P.I.> — PROJ/TASK NR. 9767

AFOSR TN 60-613
ILLINOIS UNIV OF URBANA
RATIONAL APPROXIMATION OF ARBITRARY REAL FUNCTIONS WITH
SPECIFIED WEIGHTS MAY 1960
BY TAO-NAN-TANG — DDC NR.
VAN VALKENBURG, M E — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR TN 60-614
ILLINOIS UNIV OF URBANA
NEW TECHNIQUES IN SWITCHING CIRCUIT SYNTHESIS MAY 1960
BY EPLEY, D. L. — DDC NR. 238868
VAN VALKENBURG, M E — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR TN 60-615
YALE UNIV NEW HAVEN CONN
EFFECT OF FINITE LIFE OF UPPER LEVEL ON PROBABILITY OF
COULOMB EXCITATION
NUC PHYS 20 188-201 1960
BY BREIT G — DDC NR.
GLUCKSTERN R L — CONTRACT NR. AF 18(600)-771
PROJ/TASK NR. 9750-37500

AFOSR TN 60-616
UNIV OF LOS ANGELES CALIFORNIA
INCREMENTAL PHASE PLANE ANALYSIS OF NONLINEAR SECOND
ORDER DIFFERENCE EQUATIONS FEB1960
BY NESBIT R A — DDC NR. 241885
ESTRIN E <P.I.> — CONTRACT NR. AF 49(638)-438
LEONDES C T <P.I.> — PROJ/TASK NR. 9783-37726

AFOSR TN 60-617
UNIV OF LOS ANGELES CALIFORNIA
ON THE SYNTHESIS OF OPTIMUM MULTIPOLE FILTERS MAY1960
BY STEAR E B — DDC NR. 241886
ESTRIN E <P.I.> — CONTRACT NR. AF 49(638)-438
LEONDES C T <P.I.> — PROJ/TASK NR. 9783-37726

AFOSR TN 60-618
UNIV OF LOS ANGELES CALIFORNIA
ON THE THEORY OF PROCESS ADAPTIVE CONTROL SYSTEMS,
THE LEARNING MODEL APPROACH MAY1960
BY MARGOLIS M — DDC NR. 241887
ESTRIN E <P.I.> — CONTRACT NR. AF 49 (638)-438
LEONDES C T <P.I.> — PROJ/TASK NR. 9783-37726

AFOSR TN 60-620
CASE INST OF TECHNOLOGY, CLEVELAND, O.
PERCENTILES OF THE BINOMIAL DISTRIBUTION JUN 1960
BY LEONE, F. C. — DDC NR. 239715
HAYMAN, G. E. — CONTRACT NR. AF 49(638)-361
CHU, J. T. — PROJ/TASK NR. 9783-37727
TOPP C. W.

AFOSR TN 60-621
UNIV OF BERKELEY CALIFORNIA
EXPERIMENTS WITH AIR IONS ON THE TRACHEA 1960
COMMUNICATIONS AND ELECTRONICS JAN1961
BY BECKETT J C — DDC NR. 255417
KRUEGER A P — PROJ/TASK NR. AF 49(638)-669
PROJ/TASK NR. 9777-37701

AFOSR TN 60-622
UNIV OF ILL CHICAGO
IN SEARCH OF THE FUNDAMENTAL UNITS OF
PERCEPTION AN OUTLINE JUN1961
BY GREENE P H — DDC NR. 268009
LANDAKE H L <P.I.> — CONTRACT NR. AF 49(638)-414
PROJ/TASK NR. 9777-37703

AFOSR TN 60-623
UNIV OF ILL CHICAGO
THE FORMATION OF CELL ASSEMBLIES 1960
BUL MATH BIOPHYS 23 43-53 1961
BY WHITE H — DDC NR. 255437
LANDAKE H L <P.I.> — CONTRACT NR. AF 49(638)-414
PROJ/TASK NR. 9777-37703

AFOSR TN 60-624
UNIV OF PHILADELPHIA PENNSYLVANIA
LH-RELEASING ACTIVITY IN HYPOTHALAMIC EXTRACTS
PROC SOC EXPER BIOL MED 104 432-434 1960
BY MCCANN S M — DDC NR. 249026
TALEISNIK S — CONTRACT NR. AF 49(638)-685
FRIEDMAN H M — PROJ/TASK NR. 9777-37701

AFOSR TN 60-625
DETROIT UNIV OF MICH
ON THE TORSION OF A THIN-WALL CYLINDER FOLLOWING A
PLASTIC EXTENSION
J MECH PHYS SOLIDS 39-44 1960
BY PAYNE H — DDC NR.
CZYZAK S J — CONTRACT NR. AF 18(600)-1466
PROJ/TASK NR. 9763-37631

AFOSR TN 60-626
MICHIGAN UNIV OF ANN ARBOR
SINTERING OF TITANIUM DIOXIDE
PROC 4TH INT SYMP REACTIVITY OF SOLIDS
AMSTERDAM 1960 P191-199
BY ORRYAN H M — DDC NR.
PARRAVANO G — CONTRACT NR. AF 49(638)-493
PROJ/TASK NR. 9762-37621

AFOSR TN 60-627
UNIV OF ILL CHICAGO
THE EFFECT OF SHEAR ON IMPURITY CONDUCTION IN
N-TYPE GERMANIUM
PHY REV 119 1899-1900 SEP1960
BY FRITZSCHE H — DDC NR.
CONTRACT NR. AF 49(638)-802
PROJ/TASK NR. 9760-37601

AFOSR TN 60-629
BATTLE MEMORIAL INST COLUMBUS O
EFFECT OF HIGH PRESSURE ON ELECTRICAL PROPERTIES OF
NIO, COO, CUO, AND CU2O SEP1960
PHYS REV 121 77-82 JAN1961
BY YOUNG A P — DDC NR. 241880
WILSON W B — CONTRACT NR. AF 49(638)-441
SCHWARTZ C M — PROJ/TASK NR. 9763-37631

AFOSR TN 60-631
CONNELL UNIV ITHACA N Y
DEVICE FOR MEASUREMENT OF THE ELECTRICAL PROPERTIES OF
BI2 SE3 AT ELEVATED TEMPERATURES
APPL PHYS 31 1504-1505 AUG1960
BY SMITH M J — DDC NR. 251227
KIRK E S — CONTRACT NR. AF 49(638)-480
SPENCER C W — PROJ/TASK NR. 9762-37621

AFOSR TN 60-632
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
AN X-RAY DIFFRACTION STUDY OF CRYSTAL
PERFECTION IN SILICON JUN1960
BY BRAGG R H — DDC NR. 239726
AZAROFF L V — CONTRACT NR. AF 49(638)-425
PROJ/TASK NR. 9763-37631

AFOSR TN 60-633
MICHIGAN STATE UNIV EAST LANSING
NUCLEAR MAGNETIC RELAXATION IN A STRONGLY
ASSOCIATED LIQUID
J CHEM PHYS 33 945- SEP1960
BY MURTHY C R K — DDC NR.
SPENCE R D — CONTRACT NR. AF 49(638)-613
COWEN J A <P.I.> — PROJ/TASK NR. 9763-37631

AFOSR TN 60-634
UNIV OF URBANA ILLINOIS
PHOTOPRODUCTION OF H CENTERS AT 150K
BY KINGSLEY J — DDC NR. 238745
MAURER <P.I.> — CONTRACT NR. AF 49(638)-529
PROJ/TASK NR. 9760-37601

AFOSR TN 60-635
UNIV OF URBANA ILLIONOIS
COLOR CENTER RFACTIONS IN THE ALKALI HALIDES JUN1960
BY KINGSLEY J — DDC NR. 239417
MAURER <P.I.> — CONTRACT NR. AF 49(638)-529
PROJ/TASK NR. 9760-37601

AFOSR TN 60-636
CALIFORNIA INST OF TECHNOLOGY PASADENA
ON THE PROBLEM OF PRESSURE BROADENING OF SOLAR BALMER LINES
ZFIT FUR ASTROPHYSIK 50 239-252 1960
BY CAYREL R — DDC NR. 245961
TRAVING G — CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9774-37663

AFOSR TN 60-637
GENERAL ELECTRIC CO. PHILADELPHIA. PA.
A NEW SET OF VARIABLES FOR ASTRONOMICAL PROBLEMS
ASTRONOMICAL 65 117-121 APR 1960
BY GAROFALO A. M. — DDC NR. 242257
SZEBEHELY V G<P.I.> — CONTRACT NR. AF 49(638)-814
PROJ/TASK NR. 9783-37726

AFOSR TN 60-638
CORNELL UNIV ITHACA. NY
UNSTEADY MAGNETOHYDRODYNAMIC FLOW ABOUT THIN AIRFOILS JUN 60
BY RING L. E. — DDC NR. 243016
SEARS W. R. <P.I.> — CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR TN 60-639
POLYTECHNIC INST OF BROOKLYN. NY
A NOTE ON THE IMPACT PRESSURE LOADING OF A RIGID PLASTIC
SPHERICAL SHELL MAY 1960
BY SANKARANARAYANAN. R. — DDC NR. 239833
KEMPNER. J. <P.I.> — CONTRACT NR. AF 49(638)-302
PROJ/TASK NR. 9782-37717

AFOSR TN 60-640
WASHINGTON UNIV ST LOUIS MO
VARIATION DIMINISHING TRANSFORMATIONS AND
ORTHOGONAL POLYNOMIALS
ACTA METALL 8 377-383 JUN 1960
BY HIRSCHMAN JR I I — DDC NR. 244260
CONTRACT NR. AF 49(638)-218.
PROJ/TASK NR. 9769-37658

AFOSR TN 60-641
WAYNE STATE UNIV DETROIT MICH
AN AXIOMATIC APPROACH TO HOMOTOPY THEORY WITHOUT USING THE
RELATIVE GROUPS JUN 60
PORTUGALIAE MATH 20 95-103 1961
BY SZE-TSEN HU — DDC NR. 241443
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-37658

AFOSR TN 60-642
WASHINGTON UNIV ST LOUIS MO
ON REAL CHARACTERS OF CERTAIN SEMI-GROUPS WITH APPLICATIONS
JUN 1960
BY DEVINATZ A — DDC NR. 245119
NUSSBAUM A E — CONTRACT NR. AF 49(638)-218
HAIMO F — PROJ/TASK NR. 9783-37727

AFOSR TN 60-643
CORNELL UNIV ITHACA NY
ANALUTIC SOLUTIONS FOR THE SURFACE TEMPERATURES DUE TO
AERODYNAMIC HEATING JUN 1959
BY KASKEL A. L. — DDC NR. 243017
SEARS W. R.<P.I.> — CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR TN 60-644
ALFRED UNIV N Y
DEFECT STRUCTURE AND CATALYSIS
SECOND INTERNATIONAL CONGRESS ON CATALYSIS
PARIS FRANCE JULY 1960 EDITIONS TECHNIP 1961 PP1561-1571
BY GRAY T J — DDC NR. 243545
CONTRACT NR. AF 49(638)-288
PROJ/TASK NR. 9761-37610

AFOSR TN 60-645
STANFORD UNIV CALIF
OBSERVATION OF PI-P1 RESONANCE IN PION PRODUCTION
PHYS REV LTRS 2 66-68 JUL1960
BY DRELL S D — DDC NR. 240550
ZACHARIASEN F — CONTRACT NR. AF 49(638)-388
SCHIFF L I<PI> — PROJ/TASK NR. 9750-37500

AFOSR TN 60-646
PURDUE UNIV LAFAYETTE IND
PHENOMENOLOGY OF EPSILON-NUCLEON SCATTERING
NUOVO CIM 18 178 1960
BY VAUGHN M T — DDC NR.
KING R W<PI> — CONTRACT NR. AF 18(600)-1579
PROJ/TASK NR. 9750-37500

AFOSR TN 60-647
BROWN UNIV PROVIDENCE RI
HEAT TRANSFER FROM SURFACES OF NON-UNIFORM TEMPERATURE
DISTRIBUTION. PART II - TURBULENT TRANSFER FROM ISOTHERMAL
SPANWISE STRIPS ON A FLAT PLATE FEB 1960.
BY SOGIN H. H. — DDC NR. 240223
GOLDSTEIN R. J. — CONTRACT NR. AF 49(638)-46
PROJ/TASK NR. 9781-37712

AFOSR TN 60-648
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
STUDIES IN THE HEATING OF SUPERSONIC GAS STREAM BY A RADIO
FREQUENCY DISCHARGE JUL 1960
BY SMETANA. F. O. — DDC NR.
CHUAN. R. L. <P.I.> — CONTRACT NR. AF 18(603)-95
PROJ/TASK NR. 9783-37725

AFOSR TN 60-649
SOUTHERN UNIV OF LOS ANGELES
OPERATION AND CALIBRATION OF THE LOW DENSITY WIND TUNNEL
JUL 1960
BY CHUAN. R. L. — DDC NR. 240844
SPRINGER L. M. — CONTRACT NR. AF 18(603)-95
WAITER. S. A. — PROJ/TASK NR. 9783-37725

AFOSR TN 60-650
PRINCETON UNIV NJ
THE ANOMOLY IN THE APPLICATION OF PLK AND PARABOLIC
COORDINATES TO THE TRAILING EDGE BOUNDARY LAYER APR 1960
BY GOLDBURG. A. — DDC NR.
SIN-I CHENG — CONTRACT NR. AF 49(638)-465
BOGDONOFF. S. <P.I.> — PROJ/TASK NR. 9781-37712

AFOSR TN 60-652
RENSSELAER POLYTECHNIC INST TROY N Y
A PRECISION CONDUCTANCE BRIDGE OF NEW DESIGN JUN1960
J ELECTROCHEM SOC 108 272-276 MAR1961
BY JANZ G J — DDC NR. 240365
CONTRACT NR. AF 49(638)-50
PROJ/TASK NR. 9760-37600

AFOSR TN 60-653
GEORGE WASHINGTON UNIV WASH DC
THE REACTION BETWEEN METALLIC POTASSIUM AND
CARBON MONOXIDE I. PRECURSORS OF POTASSIUM
SALT OF HEXAHYDROXYBENZENE JUL1960
BY SAGER W F — DDC NR. 239216
PERROS T P — CONTRACT NR. AF 49(638)-325
WHITE D G — PROJ/TASK NR. 9760-37600
FATIADI A

AFOSR TN 60-654
UNIV OF LOS ANGELES CALIFORNIA
SIZE EFFECTS AMONG ISOTOPIC MOLECULES
J CHEM PHYS 33 1276 OCT60
BY JOY H W — DDC NR.
LIBBY W F — CONTRACT NR. AF 49(638)-901
PROJ/TASK NR. 9760-37600

AFOSR TN 60-655
WASHINGTON STATE UNIV PULLMAN
EFFECT OF STRUCTURE ON THE PYROLYSIS OF ESTERS
PYROLYSIS OF ARYL AND BENZYL CARBONATES III
CHEM BER 93 2400-2404 1960
BY SMITH G G — DDC NR. 254809
KOSTERS B — CONTRACT NR. AF 49(638)-616
PROJ/TASK NR. 9760-37600

AFOSR TN 60-656
JOHNS HOPKINS UNIV BALTIMORE. MD
ON STABILITY IN THE LARGE FOR SYSTEMS OF ORDINARY DIFFERENT
EQUATIONS JUNE 1960
BY HARTMAN P. — DDC NR. 242528
CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9752-37522

AFOSR TN 60-657
GENERAL ELECTRIC CO. CINCINNATI. O.
THERMODYNAMIC AND ELECTRICAL PROPERTIES OF MERCURY VAPOR AT
PRESSURES BELOW ATMOSPHERIC AND HIGH TEMPERATURES FEB 60
FEB 60
CONF ON PHYS CHEM IN AERODYN & SPACE FLIGHT U PA. SEP 1959
PLANETARY AND SPACE SCIENCE V.3 FEB 1961 PP 271-282
BY SHERMAN A. — DDC NR. 240652
MARTINEK F. — CONTRACT NR. AF 49(638)-243
GHAI M. L. <P.I.> — PROJ/TASK NR. 9781-37713

AFOSR TN 60-658
UNIV OF CHARLOTTESVILLE VIRGINIA
PHOTONEUTRON CROSS SECTIONS OF COBALT AND MANGANESE
PHYS REV 120 1424-1428 NOV1960
BY FLOURNOY P A — DDC NR. 238123
TICKLE R S — CONTRACT NR. AF 49(638)-176
WHITEHEAD W D — PROJ/TASK NR. 9750-37500

AFOSR TN 60-659
COLUMBIA UNIV NY
SOME STUDIES INVOLVING THE COMPLEXES OF THE ALKALI HALIDES
PROC ATOMIC AND MOLECULAR BEAMS DENVER COL 1960 PP 248-256
BY KUSCH P. — DDC NR. 251659
CONTRACT NR. AF 49(638)-557
PROJ/TASK NR. 9767

AFOSR TN 60-660
COLUMBIA UNIV NY
KINETIC AND THERMODYNAMIC STUDIES OF THE VAPORIZATION OF
SOME ALKALI METAL SALTS
PROC ATOMIC AND MOLECULAR BEAMS CONF DENVER. COL 1960
OUPP 257-274
BY SUBBA RAO. V. — DDC NR. 251658
KUSCH. P. <P.I.> — CONTRACT NR. AF 49 (638)-557
PROJ/TASK NR. 9767

AFOSR TN 60-661
GEORGIA INST OF TECHNOLOGY ATLANTA
DRIFT TUBE-MASS SPECTROMETER FOR STUDIES OF THERMAL-ENERGY
ION-MOLECULE REACTIONS JUN 1960
REV OF SCI INSTR 33 2-7 JAN 1962
BY MCDANIEL. F. W. — DDC NR. 239337
MARTIN. D. W. — CONTRACT NR. AF 18(600)-1524
PROJ/TASK NR. 9767

AFOSR TN 60-662
UNIV OF LOS ANGELES CALIFORNIA
OPTICAL TRANSPARENCY AND RESISTANCE TO FLASH HEATING
J CHEM PHYS 33 1588-1589 NOV1960
BY LIBBY W F — DDC NR. — CONTRACT NR. AF 49(638)-901 — PROJ/TASK NR. 9760-37600

AFOSR TN 60-663
ATLANTIC RSCH CORP. ALEXANDRIA. VA.
THE SECOND AFOSR CONTRACTOR-S MEETING ON SOLID PROPELLANT COMBUSTION - JUN 7 - 8 1960
BY FRIEDMAN R. — DDC NR. 239150 — CONTRACT NR. AF 49(638)-813 — PROJ/TASK NR. 9750-37501

AFOSR TN 60-664
UNIV OF ILL CHICAGO
A NOTE ON MATHEMATICAL MODELS FOR THE INTERACTION OF NEURAL ELEMENTS 1960
BULL MATH BIOPHYS 23 91-97 1961
BY LANDAHL H D — DDC NR. 255436 — CONTRACT NR. AF 49(638)-414 — PROJ/TASK NR. 9777-37703

AFOSR TN 60-666
CALIFORNIA INST OF TECHNOLOGY PASADENA CALIF
SHOCK-TUBE MEASUREMENTS OF THE F-NUMBER FOR THE (0,0)-BAND OF THE OH2 2 TRANSITIONS MAY 1960
BY LAPP M; PENNER S S (P.I.) — DDC NR. 239582 — CONTRACT NR. AF 18(603)-2 — PROJ/TASK NR. 9751-37510

AFOSR TN 60-667
CALIFORNIA INST OF TECHNOLOGY PASADENA
SHOCK-TUBE MEASUREMENTS OF THE HOMOGENEOUS RATE OF DECOMPOS OF NH3 IN NH3-AR MIXTURES
8TH INTERNAT SYMP ON COMB P 151-154
BY JACOBS T A — DDC NR. 239584 — CONTRACT NR. AF 18(603)-2 — PROJ/TASK NR. 9750-37501

AFOSR TN 60-668
CALIFORNIA INST OF TECHNOLOGY PASADENA
VIBRATIONAL RELAXATION IN CYLINDRICAL CHAMBERS CONTAINING ISOTHERMAL DILUTE GAS MIXTURES MAY 1960
BY PFENNER S S; OLFE D; JACOBS T A — DDC NR. 239585 — CONTRACT NR. AF 18(603)-2 — PROJ/TASK NR. 9750-37510

AFOSR TN 60-669
CALIFORNIA INST OF TECHNOLOGY PASADENA
EQUILIBRIUM EMISSIVITY CALCULATIONS FOR A HYDROGEN PLASMA AT TEMPERATURES UP TO 10,000 OK
BY OLFE D — DDC NR. 239605 — CONTRACT NR. AF 18(603)-2 — PROJ/TASK NR. 9750-37510

AFOSR TN 60-670
POLYTECHNIC INST OF BROOKLYN. NY
AERODYNAMIC HEATING OF REENTRY VEHICLE 1961
BY WANG. K.; TING. L.; FERRI. A. (P.I.) — DDC NR. 256991 — CONTRACT NR. AF 49(638)-445 — PROJ/TASK NR. 9781-37712

AFOSR TN 60-671
KENT STATE UNIV OHIO
PROTON MAGNETIC RESONANCE STUDY OF BARIUM BROMATE MONOHYDRATE
CHEM PHYS 33 1789-1790 DEC 1960
BY SILVIDI. A. A.; MCGRATH. J. W. — DDC NR. 252841 — CONTRACT NR. AF 49(638)-168 — PROJ/TASK NR. 9768-37650

AFOSR TN 60-672
CHICAGO UNIV OF. ILL
ON UNSTABLE HOMOTOPY OF SPHERES AND CLASSICAL GROUPS
PROC NAS 46 1102-1105 AUG 1960
BY TODA H.; MACLANE S. (P.I.) — DDC NR. — CONTRACT NR. AF 18(600)-1383 — PROJ/TASK NR. 9769-37650

AFOSR TN 60-673
MINNESOTA. UNIV OF MINNEAPOLIS
NOTE ON THE TENSOR PRODUCT OF BANACH ALGEBRAS JUN 60
BY GELBAUM. B. R. — DDC NR. 239606 — CONTRACT NR. AF 49(638)-526 — PROJ/TASK NR. 9752-37522

AFOSR TN 60-674
AARHUS UNIV DENMARK
FEB 1960. INVESTIGATIONS ON THE VALIDITY OF THE ARC-SINE LAW
BY ANDERSEN E. S. — DDC NR. 241396 — CONTRACT NR. AF 61(052)-42 — PROJ/TASK NR. 9769-37650

AFOSR TN 60-675
INST MAREY FRANCE
ROLE DE RELAIS DU NUCLEUS CENTRAILIS MEDIALIS DU THALAMUS POUR LES AFFERENCES HETEROSENSORIELLES DU NOYAU CAUDE
ROLE OF RELAYS FROM THE CENTRAL MEDIAL NUCLEUS OF THE THALAMUS FOR THE NETEOSENSORY CONNECTIONS OF THE CAUDAL NUCLEUS
COMPTES RENDUS 153 978 1959
BY ALBE-FESSARD ET D; MASSION J — DDC NR. — CONTRACT NR. AF 61(052)-103 — PROJ/TASK NR. 9777-37700

AFOSR TN 60-676
INST MAREY FRANCE
ACTIVITIES OF SOMESTHETIC ORIGIN EVOKED ON A LEVEL WITH THE NON-SPECIFIC CORTEX AND OF THE CENTRAL MEDIAN OF THE THALAMUS OF THE MONKEY ANESTHETIZED WITH CHLORALOSE
ELECTROENCEPHALOGRAPHY AND CLINICAL NEUROPHYSIOLOGY J 11 777-787 NOV 1959
BY ALBE-FESSARD D; ROCHA-MIRANDA C; OSWALDO-CRUZ E — DDC NR. 259032 — CONTRACT NR. AF 61(052)-103 — PROJ/TASK NR. 9777-37700

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LIEGE UNIV BELGIUM
MAR 1960. RESEARCH IN HYPERBOLIC DIFFERENTIAL EQUATIONS. ANNUAL SUMMARY REPORT
BY BUREAU. F. J. — DDC NR. 240356 — CONTRACT NR. AF 61(052)-86 — PROJ/TASK NR. 9769-37658

AFOSR TN 60-678
ROME UNIV OF. ITALY
DEC 1959. SIMILAR SOLUTIONS IN RE-ENTRY LIFTING TRAJECTORIE
BY BROGLIO. L. — DDC NR. 239814 — CONTRACT NR. AF 61(052)-198 — PROJ/TASK NR. 9782-37718

AFOSR TN 60-679
CAMBRIDGE. UNIV ENGLAND
FEB 1960. UNSTABLE PARTICLES IN A GENERAL FIELD THEORY
PHYS REV V 119 1121-1125 1 AUG 60
BY GUNSON. J.; TAYLOR. J. G.; HAMILTON. J.(P.I.) — DDC NR. 240347 — CONTRACT NR. AF 61(052)-233 — PROJ/TASK NR. 9750-37500

AFOSR TN 60-680
TORINO UNIV ITALY
SOME TOPICS IN POTENTIAL SCATTERING THEORY AND ITS HIGH ENERGY LIMIT MAR1960
BY VERDE M — DDC NR. 244466 — CONTRACT NR. AF 61(052)-230 — PROJ/TASK NR. 9750-37500

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CONSERVATOIRE NAT DES ARTS-ET-METIERS. PARIS FRANCE
X-RAY DIFFRACTION IMAGES OF A CRYSTALLINE SURFACE JAN1960
BY CAGNON M; GUINIER A — DDC NR. 240359 — CONTRACT NR. AF 61(052)-51 — PROJ/TASK NR. 9763-37631

AFOSR TN 60-682
NEW YORK UNIV N Y
ROLE-PLAYING SPECIFICATION. PERSONALITY. AND PERFORMANCE
SOCIOMETRY 24 218-233 SEP1961
BY BORGATTA E F — DDC NR. — CONTRACT NR. AF 49(638)-195 — PROJ/TASK NR. 9778-37707

AFOSR TN 60-683
UNIV OF SWEDEN UPPSALA
BORIDES AND SILICIDES OF THE TRANSITION METALS
ARKIV FOR KEMI 16 379-423 1960
BY ARONSSON B; HAGG G (P.I.) — DDC NR. 244438 — CONTRACT NR. AF 61(052)-40 — PROJ/TASK NR. 9762-37621

AFOSR TN 60-684
UNIV OF SWEDEN UPPSALA
STRUCTURAL FEATURES OF NEW PHASES WITH THE CEMENTITE AND RELATED STRUCTURES JUL1960
BY ARONSSON B; RUNDQVIST S; HAGG G (P.I.) — DDC NR. 244439 — CONTRACT NR. AF 61(052)-40 — PROJ/TASK NR. 9762-37621

AFOSR TN 60-685
UNIV OF SWEDEN UPPSALA
X-RAY INVESTIGATIONS ON ME-SI-B SYSTEMS (ME=MN.FE.CO). II SOME FEATURES OF THE FE-SI-B AND MN-SI-B SYSTEMS
ACTA CHEM SCAND 14 1403-1413 1960
BY ARONSSON B; ENGSTROM I; HAGG G (P.I.) — DDC NR. 244440 — CONTRACT NR. AF 61(052)-40 — PROJ/TASK NR. 9762-37621

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UNIV OF SWEDEN UPPSALA
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ACTA CHEM SCAND 14 1414-1418 1960
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OSLO UNIV NORWAY
ON OSCILLATIONS IN AN ELECTRON PLASMA 1959
BY KILDAL ASBJRN; JENSEN. E (P.I.) — DDC NR. 244352 — CONTRACT NR. AF 61(052)-49 — PROJ/TASK NR. 9774-37663

AFOSR TN 60-688
COLUMBIA UNIV NY
AN ADAPTIVE SYSTEM USING PERIODIC ESTIMATION OF THE PULSE TRANSFER FUNCTION JUN 1960
BY BIGELOW. S.; RUGE. H.; KRANC. G. M. (P.I.) — DDC NR. 243718 — CONTRACT NR. AF 18(600)-677 — PROJ/TASK NR. 9768-37650

AFOSR TN 60-689
UNIV OF FRANCE PARIS
ON THE THEORY OF CLASSICAL FLUIDS 1960
NUORO CIM SER 10 77
BY VERLET L; LEVY M (P.I.) — DDC NR. 240348 — CONTRACT NR. AF 61(052)-173 — PROJ/TASK NR. 9750-37500

AFOSR TN 60-690
AEROCHEM RSCH LABORATORIES. INC. PRINCETON. NJ
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COMPARISON OF EXACT AND APPROXIMATE FLAT PLATE SOLUTIONS FOR ASYMPTOTICALLY SMALL PRANDTL NUMBER
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AFOSR TN 60-691
UNIV OF PHILADELPHIA PENNSYLVANIA
HYPOTHALAMIC CONTROL OF PITUITARY GONADOTROPHINS
IMPAIRMENT IN GESTATION PARTURITION AND MILK EJECTION FOLLOWING HYPOTHALAMIC LESIONS 1960
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BY GALE C C; MCCANN S M — DDC NR. 256718 — CONTRACT NR. AF 49(638)-685 — PROJ/TASK NR. 9777-37701

AFOSR TN 60-692
NATIONAL BUREAU OF STANDARDS WASHINGTON D C
DIELECTRIC CONSTANT AND DIELECTRIC LOW OF TIO2
<RUTILE> AT LOW FREQUENCIES 1960
PHYS REV 120 1631-1637 DEC1960
BY PAPE P A DDC NR. 259695
WASILIK J H CONTRACT NR. C50-680-58-15
FREDERIKSE H<P.I.> PROJ/TASK NR. 9761-97611

AFOSR TN 60-693
FRANKLIN INST PHILADELPHIA PA
APPARATUS FOR ZONE REFINING HIGHLY REATIVE METALS JUL1960
BY SPANGLER G E DDC NR. 260712
HERMAN M CONTRACT NR. AF 18<600>-1581
RUTHERFORD J L PROJ/TASK NR. 9762-97621
SMITH R L <P.I.>

AFOSR TN 60-694
FRANKLIN INST PHILADELPHIA PA
PROPERTIES OF ZONE REFINED TITANIUM AND
ZIRCONIUM - PART I JUL1960
BY SMITH R L DDC NR. 260822
RUTHERFORD J L CONTRACT NR. AF 18<600>-1581
HERMAN M PROJ/TASK NR. 9762-97621

AFOSR TN 60-695
FRANKLIN INST PHILADELPHIA PA
PROPERTIES OF ZONE REFINED TITANIUM PART II JUL1960
BY SPANGLER G E DDC NR. 261972
HERMAN M PROJ/TASK NR. AF 18<600>-1581
SMITH R L <P.I.> PROJ/TASK NR. 9762-97621

AFOSR TN 60-696
FRANKLIN INST PHILADELPHIA PA
CINEPHOTOMICROGRAPHIC STUDY OF THE ETCHING OF ZINC JUL1960
BY TIRI S DDC NR. 260689
DAMIANO V V CONTRACT NR. AF 18<600>-1581
SMITH R L <P.I.> PROJ/TASK NR. 9762-97621

AFOSR TN 60-697
FRANKLIN INST PHILADELPHIA PA
DISLOCATIONS AND IMPURITY BOUNDARIES IN ZINC
CRYSTALS GROWN FROM THE MELT JUL1960
BY DAMIANO V V DDC NR. 261360
TIRI S CONTRACT NR. AF 18<600>-1581
SMITH R L <P.I.> PROJ/TASK NR. 9762-97621

AFOSR TN 60-698
UNIV OF URBANA ILLINOIS
MOSSBAUER EFFECT - PROCEEDINGS OF ADVISORY
COMMITTEE CONFERENCE 6-7 JUNE 1960
BY FRAUENFELDER H DDC NR. 260109
CONTRACT NR. AF 18<603>-69
PROJ/TASK NR. 9761-97611

AFOSR TN 60-699
NEW YORK UNIV, NY
JULY 1961 INTEGRATION OF A SET OF SIMULTANEOUS ORDINARY
DIFFERENTIAL EQUATIONS SUBJECT TO A TYPE OF NUMERICAL
INDETERMINACY
BY CAMPBELL, F. S. DDC NR. 259637
SCHALIT, L. M.<P.I.> CONTRACT NR. AF 49<638>-169
PROJ/TASK NR. 9751-97510

AFOSR TN 60-700
LOCKHEED MISSILE AND SPACE DIV SUNNYVALE, CALIF
DEFLAGRATION LIMITS IN THE STEADY LINEAR BURNING OF A
MONOPROPELLANT WITH APPLICATION TO AMMONIUM PERCHLORATE
AUG 1960
8TH INTER SYMPOS COMB
BY JOHNSON, W. E. DDC NR. 260689
NACHBAR, W. CONTRACT NR. AF 49<638>-412
PROJ/TASK NR. 9751-97510

AFOSR TN 60-701
ATLANTIC RSCH CORP, ALEXANDRIA, VA
SOLID-PROPELLANT SOURCE OF CESIUM PLASMA JUN 1960
BY FAGG, L. W. DDC NR. 259698
FRIEDMAN, R. CONTRACT NR. AF 49<638>-691
PROJ/TASK NR. 4766-11

AFOSR TN 60-702
AEROJET-GENERAL CORP, AZUSA, CALIF
THE DEVELOPMENT OF A MASS SPECTROMETER FOR ION STUDIES
JUN 1960
BY SUMDERLAND, R. J. DDC NR. 260229
RADBILL, J. R. CONTRACT NR. AF 49<638>-214
PROJ/TASK NR. 9751-97510

AFOSR TN 60-703
CALIFORNIA UNIV OF BERKELEY
AERODYNAMIC CHARACTERISTICS OF WEDGES IN LOW DENSITY
SUPERSONIC FLOW, APR 1960
BY SCHAAF, S. A. DDC NR.
ROULIC, E. S. CONTRACT NR. NONR 222<69>
CHAMINE, M. T. PROJ/TASK NR. 9781-97712
WASLACH G. J.

AFOSR TN 60-704
MARYLAND UNIV OF COLLEGE PARK
ELECTRON DENSITY DISTRIBUTION IN A CYLINDER JUL 1960
BY WEYMANN H. D. DDC NR. 259962
BURGERS J. M. <P.I.> CONTRACT NR. AF 49<638>9401
PROJ/TASK NR. 9781-97719

AFOSR TN 60-705
UNIV OF N Y ROCHESTER
IMPURITY STATES IN SOLID NEON
J PHYS CHEM SOL 18 218-297 1961
BY GOLD A DDC NR. 261030
DEXTER D L <P.I.> CONTRACT NR. AF 49<638>-692
PROJ/TASK NR. 9760-97601

AFOSR TN 60-706
BROWN UNIV PROVIDENCE RI
ON TRANSONIC FLOW ABOUT TWO PARALLE BODIES OF REVOLUTION
MAY 1960
BY SOFTLEY E. J. DDC NR. 260263
MAEDER P. F. <P.I.> CONTRACT NR. AF 49<638>-666
PROJ/TASK NR. 9781-97712

AFOSR TN 60-707
CALIFORNIA UNIV OF BERKELEY
INVESTIGATION OF FACTORS CONTROLLING PROPERTIES OF
PRESSURE-SINTERED ALKALI HALIDES JUN 1960
BY FETTA P J DDC NR. 260979
PARKER F B CONTRACT NR. AF 49<638>-601
PROJ/TASK NR. 4799-02

AFOSR TN 60-708
UNIV OF MINNEAPOLIS MINNESOTA
AN ESTIMATE OF THE NUCLEAR MOMENT OF N161
FROM ELECTRON SPIN RESONANCE
PHYS REV 119 1691-1692 SEP1960
BY ORTON J W DDC NR.
AUZINS P CONTRACT NR. AF 49<638>-683
WERTZ J E PROJ/TASK NR. 9760-97601

AFOSR TN 60-709
UNIV OF ILL CHICAGO
VALLEY-ORBIT SPLITTING OF ANTIMONY IN GERMANIUM
PHYS REV 120 1120-1126 NOV60
BY FRITSCHE H DDC NR.
CONTRACT NR. AF 49 <638>-802
PROJ/TASK NR. 9760-97601

AFOSR TN 60-710
UNIV OF AUSTRIA VIENNA
THE TWO MESON APPROXIMATION FOR THE REAL NUCLEON MAY1960
BY EDER G DDC NR. 260301
THIRRING W E <P.I.> CONTRACT NR. AF 61<052>-269
PROJ/TASK NR. 9751-97512

AFOSR TN 60-711
TECHNION RSCH & DEVEL FOUND HAIFA, ISRAEL
BUCKLING OF CIRCULAR CONICAL SHELLS UNDER AXISYMMETRICAL
EXTERNAL PRESSURE NOV 1960
BULLETIN RSCH COUNCIL OF ISRAEL SECTION C TECHNOLOGY V. 9C
49-90 FEB 1961
BY SINGER, J. DDC NR. 262196
CONTRACT NR. AF 61<052>-339
PROJ/TASK NR. 9782-97717

AFOSR TN 60-712
CAMBRIDGE UNIV OF ENGLAND
THE EFFECTS OF FRONTAL LESIONS AND NITROUS OXIDE ON
THE TIMING BEHAVIOUR OF MONKEYS. THE EFFECTS OF LIMITED
LESIONS OF THE STRIATE CORTEX ON THE VISUAL
BEHAVIOUR OF MONKEYS. DEC1960
BY WEISKRANTZ L DDC NR. 259777
CONTRACT NR. AF 61<052>-189
PROJ/TASK NR. 9777-97700

AFOSR TN 60-714
STANFORD UNIV CALIF
QUENCHING OF MAGNETIC MOMENTS IN NUCLEI
PHYS REV 120 1069-1078 NOV1960
BY ORELL S D DDC NR. 260951
WALECKA J D CONTRACT NR. AF 49<638>-388
SCHIFF, L I<P.I.> PROJ/TASK NR. 9760-97600

AFOSR TN 60-715
NORTHWESTERN UNIV EVANSTON ILL
DETERRENCE STRATEGIES AN ANNOTATED BIBLIOGRAPHY
CONFLICT RESOLUTION 4 469-497 DEC1960
BY BRODY R A DDC NR. 260689
GUETZKOW H <P.I.> CONTRACT NR. AF 49 <638>-762
PROJ/TASK NR. 9779-97799

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STANFORD UNIV CALIF
PRECISION G-VALUE MEASUREMENTS ON FREE
RADICALS OF BIOLOGICAL INTEREST AUG60
BY BLOIS M S DDC NR. 260139
BROWN H W CONTRACT NR. AF 18<600>-1911
MALING J F PROJ/TASK NR. 9777-97702

AFOSR TN 60-717
NEW YORK UNIV NY
DYNAMICS OF NONLINEAR STOCHASTIC SYSTEMS JUL 1960
MATH PHYS 2 126-168 JAN - FEB 1961
BY KRAICHNAN, R. H. DDC NR. 260689
KLINE, M. <P.I.> CONTRACT NR. AF 49<638>-341
PROJ/TASK NR. 9760-97690

AFOSR TN 60-718
PURDUE UNIV, LAFAYETTE, IND
GROUP COMMUTATORS OF BOUNDED OPERATORS IN HILBERT SPACE
OCT 60
MICH MATH J 7 229-232 1960
BY PUTNAM, C. R. DDC NR. 260366
CONTRACT NR. AF 18<603>-139
PROJ/TASK NR. 9752-97522

AFOSR TN 60-719
VIRGINIA UNIV OF CHARLOTTESVILLE
FIXED POINT FREE INVOLUTIONS AND EQU VARIANT MAPS JUL 1960
BY CORNFEL, P. F. DDC NR. 256043
FLOYD, E. E. CONTRACT NR. AF 49<638>-72
MOYBURN, G. T.<P.I.> PROJ/TASK NR. 9783-97727

AFOSR TN 60-720
THE RICE INST, HOUSTON, TEX
ON THE LEBESGUE CONVERGENCE THEOREM SEP 1960
BY BROWN, A. DDC NR. 260286
JOHNSON, G. <P.I.> CONTRACT NR. AF 49<638>-692
PROJ/TASK NR. 9769-97650

AFOSR TN 60-721
HARVARD UNIV, CAMBRIDGE, MASS
SOME REMARKS ON TEICHMULLER-S SPACE OF RIEMANN SURFACES
ANN MATH 74 171-191 JUL 1961
BY AHLFORS, L. V. DDC NR. 260396
WALSH, J. L. <P.I.> CONTRACT NR. AF 49<638>-576
PROJ/TASK NR. 9769-97650

AFOSR TN 60-727
MARYLAND UNIV OF COLLEGE PARK
BOUNDS FOR EIGENVALUES AND THE METHOD OF
INTERMEDIATE PROBLEMS JUL1960
BY WEINSTEIN A DDC NR. 239532
CONTRACT NR. AF 49(638)-220
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AFOSR TN 60-728
MARYLAND UNIV OF COLLEGE PARK
ON SOME NEW CONTINUATION FORMULAS AND UNIQUENESS
THEOREMS IN THE THEORY OF ELASTICITY JUL1960
J MATH ANAL & APPL 4 1-17 AUG1961
BY BRAMBLE J H DDC NR. 239533
PAYNE L E CONTRACT NR. AF 49(638)-220
WEINSTEIN A <P,I,> PROJ/TASK NR. 9781-17727

AFOSR TN 60-729
COLORADO UNIV OF BOULDER
NUCLEAR RESONANCE OF AL IN SYNTHETIC RUBY JUN1960
BY TANTTILA W H DDC NR. 239856
VEIGELE W J CONTRACT NR. AF 49(638)-611
VERBER C M PROJ/TASK NR. 9761-17691

AFOSR TN 60-729
WAYNE STATE UNIV DETROIT MICH
THE PROPERTIES OF ELECTROLYTICALLY PREPARED CUPROUS
OXIDE AND THE EFFECT OF SULFIDING ON THE PROPERTIES OF
CUPROUS OXIDE PHOTOVOLTAIC CELLS APR1960
BY TRIVICH D DDC NR. 240470
TOTH R S CONTRACT NR. AF 18(600)-48
ECONOMOU N PROJ/TASK NR. 9761-17A10

AFOSR TN 60-726
PURDUE UNIV LAFAYETTE IND
ATTEMPTED VIOLATIONS OF THE RULE OF TRANS-NUCLEOPHILIC
ADDITION
JACS 82 3799-3800 JUL1960
BY TRUCE W E DDC NR. 240587
BANNISTER W CONTRACT NR. AF 49(638)-931
PROJ/TASK NR. 9762-17620

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WEIZMANN INST OF SCI REHOVOTH ISRAL
ON THE USE OF FORMAL OPERATOR TECHNIQUES IN QUANTUM
STATISTICAL MECHANICS APR1960
BY BRINER A S DDC NR. 240302
DE SHALIT A <P,I,> CONTRACT NR. AF 61(052)-917
LIPKIN H J <P,I,> PROJ/TASK NR. 9750-17500

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PERTURBATION THEORY
BY FOWLER, M. DDC NR. 262239
LANDSHOFF, P. V. CONTRACT NR. AF 61(052)-239
LARDNER, R. W. PROJ/TASK NR. 9750-17500
HAMILTON, J. <P,I,>

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MAY 1960. A DISCUSSION OF DUAL DIAGRAMS IN PERTURBATION
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BY LANDSHOFF, P. V. DDC NR. 262229
HAMILTON, J. <P,I,> CONTRACT NR. AF 61(052)-239
PROJ/TASK NR. 9750-17500

AFOSR TN 60-730
INST DE INVEST DE CIENCIAS BIOLOGICAS,MONTEVIDEO,URUGUAY
CHRONIC IMPLANATION OF ELECTRODES FOR SUBCUTANEOUS
STIMULATION AND CENTRAL RECORDING
ACTA NEUROL LATINOAMER 6 203-209 1960
BY SEGUNDO J P DDC NR. 262126
GALEARD C CONTRACT NR. AF 49(638)-985
ROIG J A PROJ/TASK NR. 9777-17700
SOMMER-SMITH J A
ESTABLE C <P,I,>

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WISCONSIN UNIV OF MADISON
THE CONTROL OF ENZYME BIOSYNTHESIS IN YEAST
WALLERSTEIN LABORATORIES COMMUNICATIONS 23 9-12 APR1960
BY MALVOHSON H O DDC NR. 240808
CONTRACT NR. AF 49(638)-116
PROJ/TASK NR. 9777-17702

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WISCONSIN UNIV OF MADISON
YEAST B-GLUCOSTIDASE COMPARISON OF THE PHYSICAL-CHEMICAL
PROPERTIES OF PURIFIED CONSTITUTIVE AND INDUCIBLE ENZYME
ARCH BIOCHEM BIOPHYS 91 210-218 DEC1960
BY MU A S L DDC NR. 255941
EPSTEIN R CONTRACT NR. AF 49(638)-116
MALVOHSON H O PROJ/TASK NR. 9777-17702
ROCE R M

AFOSR TN 60-733
IOWA STATE UNIV AMES
SOUND DISPERSION IN ETHANE AND 1,1-DIFLUOROETHANE
J CHEM PHYS 33 627-629 AUG 1960
BY VALLEY, L. M. DDC NR. 260183
LEGVOLD, S. CONTRACT NR. AF 18(600)-1696
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AFOSR TN 60-734
CATHOLIC UNIV OF AMERICA, WASH DC
A THEORETICAL INVESTIGATION OF THE EXCITED STATES OF LINEAR
H3
BY MORRISON, M. L. DDC NR. 260887
GRIFFING, V. CONTRACT NR. AF 18(600)-1937
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CATHOLIC UNIV OF AMERICA, WASH DC
AN LCAO MO SCF STUDY OF THE ELECTRONIC STATUS OF SEVERAL
LINEAR HYDROGEN COMPLEXES
BY RUFFA, A. DDC NR. 260888
GRIFFING, V. CONTRACT NR. AF 18(600)-1937
PROJ/TASK NR. 9751-17911

AFOSR TN 60-736
STANFORD UNIV CALIF
PROTON RESONANCE <SHIFTS> IN DIPHENYL PICRYL HYDRAZYL JUL
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CHEM PHYS 33 1581-1583 NOV 1960
BY ANDERSON, W. P. DDC NR. 262762
PAKE, G. E. CONTRACT NR. AF 18(603)-131
TUTTLE, JR, T. R. PROJ/TASK NR. 9751-17911

AFOSR TN 60-737
WASHINGTON UNIV ST LOUIS, MO
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E CTRON SPIN RESONANCE
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BY WEISSMAN, S. I. DDC NR.
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PROJ/TASK NR. 9761-17691

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FREE UNIV OF BRUSSELS BELGIUM
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CLASSICAL ELECTRODYNAMICS I
PHYSICA 25 1067-1079 1959
BY PRIGOGINE I DDC NR.
LEAF B CONTRACT NR. AF 61(052)-139
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CATEGORIES UPON DIFFERENCE LIMENS
SCIENCE 131 983-984 APR1960
BY NOTTERMAN J M DDC NR. 239699
CICALA G A CONTRACT NR. AF 49(638)-381
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AFOSR TN 60-741
BURDEN NEUROLOGICAL INST BRISTOL ENGLAND
ADOLF MEYER RESEARCH LECTURE WHERE VITAL
THINGS HAPPP APR 1959
AMER J PSYCH FEB 1960
BY WALTER W G DDC NR. 239668
CONTRACT NR. AF 61(514)-1178
PROJ/TASK NR. 9778-17708

AFOSR TN 60-742
DUKE UNIV DURHAM NO CAR
PSYCHOPHYSIOLOGICAL INVESTIGATIONS IN SENSORY DEPRIVATION.
THE BODY-FIELD DIMENSION MAR1960
PSYCHOSOMATIC J 23 60-62 JAN-FEB1962
BY SILVERMAN A J DDC NR.
COHEN S I CONTRACT NR. AF 49(638)-154
SHMAVONIAN B M PROJ/TASK NR. 9778-17709
GREENBERG G

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DUKE UNIV DURHAM NO CAR
URINARY CATECHOL AMINE LEVELS, GASTRIC SECRETION AND
SPECIFIC PSYCHOLOGICAL FACTORS IN
ULCER AND NON-ULCER PATIENTS
BY COHEN S I DDC NR.
SILVERMAN A J CONTRACT NR. AF 49(638)-98
WADDELL W PROJ/TASK NR. 9778-17709
ZUIDEMA G D

AFOSR TN 60-744
PURDUE UNIV, LAFAYETTE, IND
A NOTE ON THE SPECTRA OF GROUP COMMUTATORS OCT 1960
BY PUTNAM, C. R. DDC NR. 245343
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9762-17622

AFOSR TN 60-745
MIAMI UNIV OF CORAL GABLES, FLA
INTERACTIONS AND DECAYS OF HYPERONS PRODUCED IN E CAPTURE
STARS AT REST MAY 1960
BY BLAU, M. DDC NR. 239996
CARTER, G. F. CONTRACT NR. AF 49(638)-67
PERLMUTTER, A. PROJ/TASK NR. 9750-17500

AFOSR TN 60-746
SYRACUSE UNIV N Y
THE CONSTRUCTION AND PROPERTIES OF NONFOUCLIDEAN
GIBBSIAN ENSEMBLES JUL1960
BY CHEN R L W DDC NR. 261068
BERGMAN, P G<P,I,> CONTRACT NR. AF 49(638)-461
PROJ/TASK NR. 9761-17611

AFOSR TN 60-747
MARYLAND UNIV OF COLLEGE PARK
THE LATITUDE AND ALTITUDE DISTRIBUTION OF GEOMAGNETICALLY
TRAPPED PROTONS
PHYS REV LTRS 4 300-303 OCT 1960
BY SINGER, S. F. DDC NR.
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AFOSR TN 60-748
NEW YORK UNIV N Y
OPTIMUM DESIGN OF PASSIVE-ADAPTIVE LINEAR FEEDBACK
SYSTEMS WITH VARYING PLANTS
IRE TRANS ON AUTOMATIC CONTROL AC 7 117-128 MAR1962
BY FLEISCHER P E DDC NR. 265997
CHANG S S L <P,I,> CONTRACT NR. AF 49(638)-496
RAGAZINI J R <P,I,> PROJ/TASK NR. 9768-17610

AFOSR TN 60-769
ARKANSAS UNIV OF FAYETTEVILLE
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POTASSIUM PERCHLORATE
J PHY CHEM 64 1781-1782 NOV 1960
BY STERN K H DDC NR.
BUFALINE M CONTRACT NR. AF 49(638)-653
PROJ/TASK NR. 9760-37600

AFOSR TN 60-790
MINNESOTA UNIV OF MINNEAPOLIS
THE REACTION OF ALKYLMERCURIC IODIDES WITH NORHALOGEN ACID
JACS 83 626-630 FEB 1961
BY KREEVOY M M DDC NR. 253819
HANSEN R L CONTRACT NR. AF 49(638)-711
PROJ/TASK NR. 9761-37630

AFOSR TN 60-792
MINNESOTA UNIV OF MINNEAPOLIS
THE INFRARED SPECTRUM OF 2-METHOXYETHYMERCURIC IODIDE AND
ITS TETRADEUTERO ANALOGU
JACS 82 6124-6126 DEC 1960
BY KREEVOY M M DDC NR. 251401
CONTRACT NR. AF 49(638)-711
PROJ/TASK NR. 9761-37630

AFOSR TN 60-793
MINNESOTA UNIV OF MINNEAPOLIS
SECONDARY HYDROGEN ISOTOPE EFFECTS ON DEOXYMERCURATION
JACS 82 6127-6129 DEC 1960
BY KREEVOY M M DDC NR. 251402
DITSCH L R CONTRACT NR. AF 49(638)-711
PROJ/TASK NR. 9761-37630

AFOSR TN 60-796
SYRACUSE UNIV N Y
SPIN-ORBIT CORRELATIONS IN NU 3 AND E- E- SCATTERING
PHYS REV 120 1871-1876 DEC 1960
BY BARUT A O DDC NR. 253695
PRORSDAL C CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9751-37612

AFOSR TN 60-799
CORNELL UNIV ITHACA N Y
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF THE ATOMIC
PHENOMENA OCCURRING ON AND NEAR THE SURFACES OF SOLIDS
INVESTIGATIONS ON THE DEPOSITION OF CADMIUM
ON MICA SURFACES JUN 1960
BY SOM-YU YEH G DDC NR. 243699
BRADLEY R C CONTRACT NR. AF 18(600)-674
SIEGEL B M PROJ/TASK NR. 9761-37611

AFOSR TN 60-796A
CORNELL UNIV ITHACA N Y
A STUDY OF THE THERMIONIC POINT FILAMENT ELECTRON GUN
JULY 60
BY SPECHT M B DDC NR. 262029
BRADLEY R C CONTRACT NR. AF 18(600)-674
SIEGEL B M PROJ/TASK NR. 9761-37611

AFOSR TN 60-797
CHICAGO UNIV OF ILL
NOTE ON COHOMOLOGY ALGEBRAS OF SYMMETRIC GROUPS JUN 1960
BY NAKAOKA M DDC NR.
MACLANE S. <P.I.> CONTRACT NR. AF 18(600)-1381
PROJ/TASK NR. 9769-37648

AFOSR TN 60-798
PURDUE UNIV LAFAYETTE, IND
ONE-DIMENSIONAL MONOTONE RETRACTS JUL 1960
BY LAURIA, A. T. DDC NR. 246695
NEUGEBAUER, C. J. CONTRACT NR. AF 18(600)-1484
CESARI, L. <P.I.> PROJ/TASK NR. 9781-37777

AFOSR TN 60-799
RUTGERS UNIV NEW BRUNSWICK, NJ
DIFFERENTIAL FORMS OF BOUNDED P-VARIATION JUL 1960
BY SHAPIRO, V. L. DDC NR. 262713
CONTRACT NR. AF 18(600)-1495
PROJ/TASK NR. 9762-37672

AFOSR TN 60-760
AEROJET-GENERAL CORP, AZUSA, CALIF
A TEMPERATURE CONTROL METHOD FOR USE BETWEEN 0.2° AND 77° K
AUG 1960
BY FLOURNOY, J. M. DDC NR. 261862
BAUM, L. M. CONTRACT NR. AF 18(603)-110
SIEGEL, S. PROJ/TASK NR. 9750-37701
MOE, G. <P.I.>

AFOSR TN 60-761
MARYLAND UNIV OF COLLEGE PARK
CAPTURE OF K-- MESONS FROM HIGH S-ORBITALS IN HELIUM
PHYS REV LTRS 5 112-114 AUG 1960
BY DAY, T. B. DDC NR. 239867
SNOW, G. A. CONTRACT NR. AF 49(638)-24
PROJ/TASK NR. 9751-37612

AFOSR TN 60-762
MARYLAND UNIV OF COLLEGE PARK
REGULARIZATION AND RENORMALIZATION THROUGH FINITE-PART
INTEGRALS JUN 1960
BY CATANIELLO, E. R. DDC NR. 262695
CAMPOLATTARO, A. CONTRACT NR. AF 49(638)-24
PREZIOSI B PROJ/TASK NR. 9751-37612
TOLL, J. S. <PI>

AFOSR TN 60-763
ROCHESTER UNIV OF NY
ABUNDANCES IN G DWARF STARS III STARS IN MOVING CLUSTERS
ASTROPHY J 132 993-996 TO BE SUBMITTED NOV 1960
BY MELFER, M. L. DDC NR. 254067
WALLERSTEIN, G. CONTRACT NR. AF 49(638)-42
WALLERSTEIN, G. CONTRACT NR. AF 49(638)-21
GREENSTEIN, J. L. PROJ/TASK NR. 9776-37661
SARFDOFF, M. P. <PI>

AFOSR TN 60-764
COLORADO UNIV OF, BOULDER
1960 ON THE CONVERGENCE OF THE EVEN PART OF CERTAIN CONTINUE
FRACTIONS <MISPRINTED AFOSRTN 60-796>
BY THRON W. J. DDC NR. 260161
CONTRACT NR. AF 49(638)-100
PROJ/TASK NR. 9761-37721

AFOSR TN 60-765
UNIV MAYOR DE SAN ANDRES LA PAZ BOLIVIA
VARIACIONES DIARIAS DE LA INTENSIDAD DE LOS RAYOS COSMICOS
MEDIDA CON TELESCOPIOS DIRECCIONALES EN CHACALTAYA
DAILY VARIATION OF COSMIC RAY INTENSITY AT CHACALTAYA
MEASURED WITH DIRECTIONAL TELESCOPES
REV MEXICANA DE FIS 8 101-115 1959
BY ESCOBAR I DDC NR.
URIA V C CONTRACT NR. AF 49(638)-290
MEIL Y R PROJ/TASK NR. 9776-37665

AFOSR TN 60-766
NORTH CAROLINA UNIV OF CHAPEL HILL
CHRONOPOTENTIOMETRY WITH CURRENT REVERSAL DATED 16
MARCH 1960
BY KING R M DDC NR. 261599
REILLEY C N CONTRACT NR. AF 49(638)-313
PROJ/TASK NR. 9761-37630

AFOSR TN 60-767
RIAS INC BALTIMORE MD
STABILITY AND BOUNDEDNESS OF SYSTEMS
ARCH RAT MECH ANAL 6 409-421 1960
BY YOSHIZAWA T DDC NR. 253577
LEFSCHETZ S CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-37726

AFOSR TN 60-769
STANFORD UNIV CALIF
THE DECAY OF THE NEUTRAL SIGMA HYPERON TO A NEUTRAL LAMBDA
HYPERON A POSITRON AND AN ELECTRON AND THE NEUTRAL SIGMA
HYPERON-NEUTRAL LAMBDA HYPERON RELATIVE PARITY JUL 1960
BY AYERS N DDC NR. 260469
SCHIFF L I<PI> CONTRACT NR. AF 49(638)-389
PROJ/TASK NR. 9750-37600

AFOSR TN 60-770
PENNSYLVANIA UNIV OF PHILADELPHIA
PHOTONEUTRON REACTIONS,* C12, N14, O16 AND F19 NEAR
THRESHOLD
PHYS REV 119 720-729 15 JUL 1960
BY GELLER, R. N. DDC NR.
HALPERN, J. CONTRACT NR. AF 49(638)-654
MUIRHEAD, F. G. PROJ/TASK NR. 9750-37600

AFOSR TN 60-771
PENNSYLVANIA UNIV OF PHILADELPHIA
SYSTEMATICS OF NEUTRON SEPARATION ENERGIES
PHYS REV 118 1902-1912 JUN 1960
BY GELLER, R. N. DDC NR.
HALPERN, J. CONTRACT NR. AF 49(638)-654
MUIRHEAD, F. G. PROJ/TASK NR. 9750-37600

AFOSR TN 60-772
PENNSYLVANIA UNIV OF PHILADELPHIA
CONTROL AND CALIBRATION OF THE BETATRON ENERGY SCALE
REV SCI INSTR 31 708-713 MAR 1960
BY GELLER, R. DDC NR.
MUIRHEAD, F. G. CONTRACT NR. AF 49(638)-654
HALPERN, J. <PI> PROJ/TASK NR. 9750-37600

AFOSR TN 60-773
CALIFORNIA UNIV OF LOS ANGELES
ASTRODYNAMICAL REPORT NO. 7 REFERRED TO THE DYNAMICAL CENTER
POSITIONS, VELOCITIES, EPHEMERIDES JUL 1960
BY ARRIOLA S. DDC NR. 259157
CONTRACT NR. AF 49(638)-698
PROJ/TASK NR. 9781-37726

AFOSR TN 60-776
WASHINGTON UNIV OF SEATTLE
THE INTERACTION OF H2 D2 CH4 AND CD4 WITH GRAPHITIZED
CARBON BLACK
J PHY CHEM 64 967-968 1961
BY CONSTABARIS G DDC NR.
SAMS JR J R CONTRACT NR. AF 49(638)-721
HALSEY JR G D PROJ/TASK NR. 9761-37610

AFOSR TN 60-778
YALE UNIV NEW HAVEN, CONN
STATISTICAL LINE BROADENING IN PLASMAS
J QU SPECTROS RADIAT TRANSFER 1 1-29 1961
BY WIENER M. DDC NR.
MARGENAU H <PI> CONTRACT NR. AF 18(603)-14
PROJ/TASK NR. 9781-37611

AFOSR TN 60-778
YALE UNIV NEW HAVEN, CONN
CLUSTER APPROACH TO THE THEORY OF LINE BROADENING BY IONS
BY WIENER M. E. DDC NR. 289612
LEWIS, M. R. CONTRACT NR. AF 18(603)-14
MARGENAU H <PI> PROJ/TASK NR. 9781-37611

AFOSR TN 60-779
YALE UNIV NEW HAVEN, CONN
FORMULAS FOR ESTIMATING WIDTHS OF SPECTRAL LINES EMITTED
FROM PLASMAS AND THEIR LIMITS OF VALIDITY
PROC. 6TH INT CONF ON IONIZATION PHEN IN GASES UPSALA(1959)
NORTH HOLLAND PUBL CO AMSTERDAM 1960 799-807
BY MARGENAU, H. DDC NR. 287887
CONTRACT NR. AF 18(603)-14
PROJ/TASK NR. 9781-37611

AFOSR TN 60-781
YALE UNIV NEW HAVEN, CONN
STRUCTURE OF SPECTRAL LINES FROM PLASMAS
REV. MOD. PHYS. 33 469 1959
BY MARGENAU, H. DDC NR.
LEWIS, M. CONTRACT NR. AF 18(603)-14
PROJ/TASK NR. 9781-37611

AFOSR TN 60-782
YALE UNIV NEW HAVEN, CONN
THEORY OF PRESSURE EFFECTS ON ALKALI DOUBLET LINES
J. CHEM. PHYS. 30 1556 1565 1959
BY KLEIN, L. DDC NR.
MARGENAU, H. CONTRACT NR. AF 18<603>-15
PROJ/TASK NR. 9751-37511

AFOSR TN 60-783
YALE UNIV NEW HAVEN, CONN
FREQUENCY SHIFTS IN HYPERFINE SPLITTING OF ALKALIS CAUSED BY FOREIGN GASES
PHYS. REV. 115 87-92 1959
BY MARGENAU, H. DDC NR.
FONTANA, P. CONTRACT NR. AF 18<603>-15
KLEIN, L. PROJ/TASK NR. 9751-37511

AFOSR TN 60-786
YALE UNIV NEW HAVEN, CONN
THE ENERGY OF INTERACTION OF TWO HELIUM ATOMS
J CHEM PHYS 33 471-480 AUG 1960
BY MOORE, N. DDC NR.
MARGENAU H <PI> CONTRACT NR. AF 18<603>-15
PROJ/TASK NR. 9751-37511

AFOSR TN 60-787
YALE UNIV NEW HAVEN, CONN
ON STATISTICAL LINE BROADENING IN PLASMAS
BY WIMMEL H. DDC NR. 289171
MARGENAU H <PI> CONTRACT NR. AF 18<603>-15
PROJ/TASK NR. 9751-37511

AFOSR TN 60-788
YALE UNIV NEW HAVEN, CONN
STARK BROADENING OF SPECTRAL LINES BY HIGH-VELOCITY CHARGED PARTICLES
PHYS REV 121-501 PHYS REV 121 501-505 JAN 1961
BY LEWIS, M. DDC NR.
MARGENAU H <PI> CONTRACT NR. AF 18<603>-15
PROJ/TASK NR. 9751-37511

AFOSR TN 60-789
POLYTECHNIC INST OF BROOKLYN NY
APPROXIMATIONS IN VARIATIONAL PROBLEMS JUL 1960
BY TING, L. DDC NR. 240832
FERRI A <PI> CONTRACT NR. AF 49<638>-445
PROJ/TASK NR. 9781-37712

AFOSR TN 60-790
VIRGINIA UNIV OF CHARLOTTESVILLE
ENERGY SPECTRUM OF THE PHOTONEUTRONS FROM GOLD JUL 1960
BY ASKEW R F DDC NR. 239501
BATSON A P CONTRACT NR. AF 49<638>-176
PROJ/TASK NR. 9750-37500

AFOSR TN 60-791
OHIO STATE UNIV COLUMBUS
FLOATING ZONE REFINING OF BORON USING ELECTRON BEAM MELTING MAY 1961
J ELECTROCHEM SOC 109 66-68 JAN 1962
BY HOOD C B DDC NR. 260074
THURSTON M O CONTRACT NR. AF 49<638>-424
PROJ/TASK NR. 9760-37601

AFOSR TN 60-792
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
DISTRIBUTION OF ELECTRONS IN CADMIUM SULFIDE CRYSTALS
PHYS REV 120 1224-1225 NOV 1960
BY MCMARTY G P DDC NR. 240818
AZAROFF L V CONTRACT NR. AF 49<638>-425
PROJ/TASK NR. 9763-37831

AFOSR TN 60-793
CATHOLIC UNIV OF AMERICA, WASH DC
NOTE ON THE BEHAVIOR OF A VAPOR-LIQUID SYSTEM ABOVE AND BELOW THE CRITICAL POINT
BY MEIJER, P. H. E. DDC NR. 288110
CONTRACT NR. AF 49<638>-452
PROJ/TASK NR. 9751-37511

AFOSR TN 60-794
NORTHWESTERN UNIV EVANSTON ILL
TRANSFORMATION STUDIES OF GRAY TIN SINGLE CRYSTALS
J APPL PHYS 31 1973-1977 NOV 1960
BY WOLFSON R G DDC NR. 241290
FINE M E CONTRACT NR. AF 49<638>-524
EWALD A W PROJ/TASK NR. 9760-37601

AFOSR TN 60-795
ILLINOIS UNIV OF URBANA
HALL MOBILITY OF HOLES IN SILVER BROMIDE JUN 1960
BY HARSON R C DDC NR. 240108
BROWN F C CONTRACT NR. AF 49<638>-579
PROJ/TASK NR. 9760-37601

AFOSR TN 60-796
DUKE UNIV DURHAM NO CAR
CATECHOL AMINES IN PSYCHOPHYSIOLOGICAL STUDIES
BY SILVERMAN A J DDC NR.
COHEN S I CONTRACT NR. AF 49<638>-354
SHMAVONIAN B M PROJ/TASK NR. 9778-37709
KIRSHNER N M

AFOSR TN 60-797
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF RU11B8 AUG 1960
ACTA CHEM SCAND 14 2169-2176 1961
BY ASELIUS J DDC NR. 244642
HAGG G CONTRACT NR. AF 61<052>-40
PROJ/TASK NR. 9762-37621

AFOSR TN 60-799
WASHINGTON UNIV ST LOUIS, MO
SPIN DENSITY IN PYRENE NEGATIVE ION
J CHEM PHYS 34 507-508 FEB 1961
BY TOWNSEND, J. L. DDC NR. 257908
WEISSMAN, S. I. CONTRACT NR. AF 49<638>-464
MOLTIME G. J. PROJ/TASK NR. 9751-37511
NORBERG R <PI>

AFOSR TN 60-801
HEBREW UNIV
PARAMAGNETIC RESONANCE AND OPTICAL SPECTRA OF DIVALENT IRON IN CUBIC FIELDS I THEORY II EXPERIMENTAL RESULTS
PHYS REV 118 1119-1136 JUN 1960
BY LOW W DDC NR. 241991
WEGER M CONTRACT NR. AF 61<052>-59
PROJ/TASK NR. 9763-37631

AFOSR TN 60-802
WEIZMANN INST OF SCI REHOVOTH ISRAEL
MANY BODY PERTURBATION METHODS IN A SOLUBLE MODEL MAR 1960
BY KATZ A DDC NR. 241486
DE SHALIT A CONTRACT NR. AF 61<052>-337
LIPKIN H J PROJ/TASK NR. 9750-37500

AFOSR TN 60-804
MARYLAND UNIV OF COLLEGE PARK
ON THE ANALYTIC PROPERTIES OF THE 4-POINT FUNCTIONS IN PERTURBATION THEORY JUL 1960
BY CHI-TAI WU, A. DDC NR. 240149
TOLL J S <PI> CONTRACT NR. AF 49<638>-24
PROJ/TASK NR. 9751-37512

AFOSR TN 60-805
STANFORD UNIV CALIF
BANACH ALGEBRAS WITH SCATTERED STRUCTURE SPACES AUG 1960
BY GLICKSBERG, I. DDC NR. 241395
LEEUW R DE <PI> CONTRACT NR. AF 49<638>-294
PROJ/TASK NR. 9769-37658

AFOSR TN 60-806
CALIFORNIA UNIV OF, BERKELEY
1960 LOWER BOUNDS FOR THE FIRST EIGENVALUE OF ELLIPTIC EQUATIONS OF ORDERS TWO AND FOUR AUG 1960
BY HOOKER W. DDC NR. 241793
PROTTER M. H. <P.I.> CONTRACT NR. AF 49<638>-398
PROJ/TASK NR. 9783-37727

AFOSR TN 60-807
ILLINOIS UNIV OF, URBANA, ILL
ON WEIERSTRASS PRODUCTS OF ZERO TYPE ON THE REAL AXIS JUL 1960
BY KAHANE, J. P. DDC NR. 245673
RUBEL, L. A. CONTRACT NR. AF 49<638>-517
PROJ/TASK NR. 9783-37727

AFOSR TN 60-808
AMERICAN INST FOR RSCH PITTSBURGH PA
PROMPTED PLUS UNPROMPTED TRIALS VERSUS PROMPTED TRIALS ALONE IN PAIRED-ASSOCIATE LEARNING OCT 1960
BY ANGELL D DDC NR. 247638
LUMSDAINE A A CONTRACT NR. AF 49<638>-681
PROJ/TASK NR. 9778-37706

AFOSR TN 60-809
WASHINGTON UNIV ST LOUIS, MO
SPIN DISTRIBUTION IN ALIPHATIC KETYLS
J AMER CHEM 82 4424-4425 AUG 1960
BY HIROTA, N. DDC NR. 257508
WEISSMAN, S. I. CONTRACT NR. AF 49<638>-464
NORBERG R <PI> PROJ/TASK NR. 9751-37511

AFOSR TN 60-810
MISSOURI UNIV OF COLUMBIA
PROPERTIES OF THE SOLUTIONS OF U & G<T>U2N-1-0 JUL 1960
BY UTZ, W. R. DDC NR. 241416
CONTRACT NR. AF 49<638>-754
PROJ/TASK NR. 9783-37727

AFOSR TN 60-812
CALIFORNIA UNIV OF LOS ANGELES
ASTRODYNAMICAL REPORT NO. 9 VARIATION OF PARAMETERS JUL 1960
BY HERRICK S. DDC NR. 250759
CONTRACT NR. AF 49<638>-498
PROJ/TASK NR. 9783-37726

AFOSR TN 60-813
YESHIVA UNIV NEW YORK NY
ASYMPTOTIC FORM OF EQUILIBRIUM DISTRIBUTION FUNCTIONS IN A FLUID AND PROPERTIES OF LOCAL-EQUILIBRIUM ENSEMBLES
BY LEBOWITZ, J. L. DDC NR. 252730
PERCUS, J. K. CONTRACT NR. AF 49<638>-753
PROJ/TASK NR. 9751-37511

AFOSR TN 60-815
GENERAL ELECTRIC CO, PHILADELPHIA PA
EQUATIONS FOR THRUST PROGRAMS JUN 1960
PROC XUTH INTERNAT ASTRONAUTICAL CONG V.1 PAPER 44 431-443 STOCKHOLM 1960
BY SZEBEHELY V. G. DDC NR.
CONTRACT NR. AF 49<638>-814
PROJ/TASK NR. 9783-37726

AFOSR TN 60-816
CALIFORNIA UNIV OF LOS ANGELES
ASTRODYNAMICAL REPORT NO. 8 ORBITS FROM POSITION AND VELOCITY JUL 1960
BY HERRICK S DDC NR. 250758
CONTRACT NR. AF 49<638>-498
PROJ/TASK NR. 9783-37726

AFOSR TN 60-817
WASHINGTON UNIV OF SEATTLE
PREPARATION AND REACTIONS OF POTASSIUM SILYL
JACS 83 802-805 FEB 1961
BY KING M A DDC NR.
RITTER D M CONTRACT NR. AF 18<600>-1541
PROJ/TASK NR. 9762-37620

AFOSR TN 60-818
MARYLAND UNIV OF COLLEGE PARK
STRICT LOCALIZATION IN QUANTUM FIELD THEORY JUL 1960
BY KNIGHT, J. K. DDC NR. 240706
TOLL J S <PI> CONTRACT NR. AF 49<638>-24
PROJ/TASK NR. 9751-37512

AFOSR TN 60-819
MARYLAND UNIV OF COLLEGE PARK
K-MESON CAPTURE BY HELIUM JUL 1960
BY DAY, T. B. DDC NR. 241466
TOLL J S <PI> CONTRACT NR. AF 49(638)-24
PROJ/TASK NR. 9751-37512

AFOSR TN 60-820
AEROJET-GENERAL CORP, AZUSA, CALIF
ION ENGINE DEVELOPMENT I. DIFFUSION TYPE ION SOURCES
BY SUNDERLAND, R. J. DDC NR.
RADBILL, J. R. CONTRACT NR. AF 49(638)-214
GIKPIN, R. D. PROJ/TASK NR. 9751-37510

AFOSR TN 60-821
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
BLACK SOAP FILMS
J PHYS CHEM 64 1178-1183 1960
BY OVERBEEK J TH G DDC NR. 247463
MYSELS, K J<P.I.> CONTRACT NR. AF 49(638)-309
PROJ/TASK NR. 9761-37610

AFOSR TN 60-823
STANFORD UNIV CALIF
HIGH-FREQUENCY REGION OF THE BREMSSTRAHLUNG
SPECTRUM JUL 1960
PHYS REV 120 1717-1722 DEC 1960
BY PRATT R H DDC NR. 240903
SCHIFF, L I<P.I.> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-824
SYRACUSE UNIV N Y
A STATIONARY GIBBSIAN ENSEMBLE JUL 1960
BY SADOWSKI W L DDC NR. 240733
BERGMAN, P G<P.I.> CONTRACT NR. AF 49(638)-461
PROJ/TASK NR. 9751-37511

AFOSR TN 60-826
MELLON INST PITTSBURGH PA
AN APPROXIMATION THEOREM FOR FUNCTIONALS, WITH APPLICATIONS
IN CONTINUUM MECHANICS
ARCH RAT MECH ANAL 6 355-370 1960
BY COLEMAN B D DDC NR. 240815
NOLL W CONTRACT NR. AF 49(638)-541
PROJ/TASK NR. 9760-37600

AFOSR TN 60-827
TECHNICAL RSCH GROUP INC SYOSSET NY
RESEARCH ON PROPERTIES OF LASER CEVICESJUL 1960
BY NEWSTEIN M C DDC NR. 320277
SOLIMENE N CONTRACT NR. AF 49(638)-673
PROJ/TASK NR. 4766-12

AFOSR TN 60-828
YALE UNIV NEW HAVEN CONN
CROSS SECTION AND POLARIZATION IN THE PHOTODISINTEGRATION
OF THE DEUTERON
PHYS REV 120 1881-1897 DEC 60 ERRATA IBID 121 1864
BY RUSTGI M L DDC NR. 254218
ZERNIK W CONTRACT NR. AF 49(638)-752
BREIT G PROJ/TASK NR. 9750-37500
ANDREWS D J

AFOSR TN 60-829
PRINCETON UNIV N J
THEORY OF LOW ENERGY NUCLEI
PHYS REV 120 2250-2276 DEC 1960
BY GOLDBERGER M L DDC NR.
GRISARU M T CONTRACT NR. AF 49(638)-304
MACDOWELL S W PROJ/TASK NR. 9750-37500

AFOSR TN 60-830
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
DEC 1959. THE LAMINAR DIFFUSION BOUNDARY LAYER WITH EXTERNAL
FLOW FIELD PRESSURE GRADIENTS <MISPRINTED AFOSR TN 59-1268>
BY BARON J. R. DDC NR. 241470
SCOTT P. B. CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR TN 60-831
MASSACHUSETTS IN ST OF TECHNOLOGY
SNAPPING OF SHALLOW SPHERICAL SHELLS UNDER STATIC AND
DYNAMIC LOADING JUN 1960
BY SUMARA J. DDC NR. 242208
CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-37718

AFOSR TN 60-833
STANFORD UNIV CALIF
DAMPING OF THE VIBRATIONS OF A COILED SPRING DUE TO CREEP
JUN 1960
BY HOFF, N. J. DDC NR. 259374
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9782-37718

AFOSR TN 60-834
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
APPLICATION OF COVERT-S APPROXIMATIONS FOR THE BINARY
BOUNDARY-LAYER TO A POROUS CONE WITH A SOLID TIP JUN 1960
BY MORAN J. P. DDC NR. 247915
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR TN 60-835
TORONTO UNIV OF CAN
MEASUREMENT OF TWO-POINT CORRELATIONS OF VELOCITY NEAR A
CYLINDER SHEDDING A KARMAN VORTEX STREET JAN 1960
BY BAROUDI, M. Y. EL DDC NR. 247495
RIBNER H S <PI> CONTRACT NR. AF 49(638)-249
PROJ/TASK NR. 9781-37712

AFOSR TN 60-836
POLYTECHNIC INST OF BROOKLYN NY
ON THE CREEP-STRESS ANALYSIS OF SOME STRUCTURES JUN 1960
COLLOQUIUM ON CREEP IN STRUCTURE INT UNION THEOR & APP MECH
STANFORD U 11-16 JULY 1960
BY PATEL, S. A. DDC NR. 242414
VENKATRAMAN, B. CONTRACT NR. AF 49(638)-302
KENPNER J <PI> PROJ/TASK NR. 9782-37717

AFOSR TN 60-837
STANFORD UNIV CALIF
GROUND STATES OF ODD-ODD NUCLEI
PHYS REV 120 1790-1792 DEC 1960
BY DESHALIT A DDC NR. 240904
WALECKA J D CONTRACT NR. AF 49(638)-388
SCHIFF, L I<P.I.> PROJ/TASK NR. 9750-37500

AFOSR TN 60-838
JOHNS HOPKINS UNIV BALTIMORE, MD
A STUDY OF INITIAL CONDITIONS IN CONSTANT VELOCITY IMPACT
J APPL PHYS 31 2188-2195 DEC 1960
BY BELL J. F. DDC NR.
CONTRACT NR. AF 49(638)-423
PROJ/TASK NR. 9763-37631

AFOSR TN 60-840
GENERAL DYNAMICS CORP, CONVAIR DEV, POMONA, CALIF
THERMAL STRESSES IN A PERFORATED SQUARE PLATE
BY SUTHERLAND R. D. DDC NR. 242797
MANVILLE S. M. CONTRACT NR. AF 49(638)-592
PROJ/TASK NR. 9782-37717

AFOSR TN 60-841
LITTON, INDUS, BEVERLY HILLS, CALIF
PARTICLE MOTION IN AN AXIALLY SYMMETRIC MAGNETIC FIELD MAY
60
BY PENFOLD, A. S. DDC NR. 246639
CONTRACT NR. AF 49(638)-759
PROJ/TASK NR. 9752-37521

AFOSR TN 60-842
LITTON INDUS, BEVERLY HILLS, CALIF
DETERMINING AXIALLY SYMMETRIC MAGNETIC FIELD PATTERNS
MAY 60
BY PENFOLD, A. S. DDC NR. 246637
CONTRACT NR. AF 49(638)-759
PROJ/TASX NR. 9752-37521

AFOSR TN 60-843
ALLIED RSCH ASSOCIATES INC, BOSTON, MASS
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BY GOODMAN T. R. DDC NR. 242475
CONTRACT NR. AF 49(638)-839
PROJ/TASK NR. 9782-37718

AFOSR TN 60-844
CALIFORNIA UNIV OF BERKELEY
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BY JAMES I. M. DDC NR. 259877
THOMAS E. CONTRACT NR. AF 49(638)-79
KOSTANT B. <P.I.> PROJ/TASK NR. 9769-37650

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PENNSYLVANIA UNIV OF PHILADELPHIA
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A MASS TRANSFER FINITE DIFFERENCE FORMULATION EMPLOYING
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BY MORAN J. P. DDC NR. 247913
SCOTT P. B. CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

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BY TALEISNIK S DDC NR. 253070
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PROJ/TASK NR. 9777-37701

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MALING J E CONTRACT NR. AF 18(600)-1511
PROJ/TASK NR. 9777-37702

AFOSR TN 60-850
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BY EPSZTEIN, B. DDC NR. 242929
WEBER E <PI> CONTRACT NR. AF 18(600)-1505
MARCUVITZ N PROJ/TASK NR. 4791
TRUXAL J G <PI>

AFOSR TN 60-851
UTAH UNIV OF SALT LAKE CITY
FRAMING CAMERA OBSERVATIONS OF ULTRA-HIGH VELOCITY
PENETRATION IN TRANSPARENT TARGETS AND A MECHANISM FOR
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BY BARTLETT, R. W. DDC NR. 241898
KEYES, R. T. CONTRACT NR. AF 18(603)-100
PROJ/TASK NR. 9791-37511

AFOSR TN 60-852
WASHINGTON UNIV ST LOUIS MO
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BY DAEHNICK W W DDC NR. 247297
CONDON, E U<P.I.> CONTRACT NR. AF 18(603)-108
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BY SUCHER, J. DDC NR. 241667
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KENTUCKY UNIV OF LEXINGTON
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BY SMITH JR W T DDC NR. 246989
PLUCKNETT W K CONTRACT NR. AF 49(638)-49
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CALIFORNIA, UNIV OF LOS ANGELES
NR 10 REPROT ASTRODYNAMICAL NOTATION AND USAGE 1960 JUL
BY HERRICK S. DDC NR. 250760
MAKEMSON M. W. CONTRACT NR. AF 49(638)-498
FRANCIS M. P. PROJ/TASK NR. 9783-37726

AFOSR TN 60-857
PURDUE UNIV, LAFAYETTE, IND
INTEGRATION WITH RESPECT TO OPERATOR-VALUED FUNCTIONS
AUG 1960
ACTA SCI MATH 22 301-319 1961
BY KRABBE, G. L. DDC NR. 254761
CONTRACT NR. AF 49(638)-505
PROJ/TASK NR. 9769-37658

AFOSR TN 60-858
COLUMBIA UNIV NY
THE ALKALI-IRON GROUP-HALOGEN COMPLEXES. DISSOCIATION
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J CHEM PHYS 34 832 836 MAR 1961
BY RAO, V. S. DDC NR. 256231
KUSCH, P. CONTRACT NR. AF 49(638)-557
PROJ/TASK NR. 9767

AFOSR TN 60-859
MILAN UNIV OF ITALY
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BY BIANCHI G DDC NR. 252953
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BY SINGER, J. DDC NR. 258356
CONTRACT NR. AF 61(052)-339
PROJ/TASK NR. 9782-37717

AFOSR TN 60-861
STANFORD UNIV CALIF
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IONOSPHERE JUL 1960
BY SMITH, R. L. DDC NR. 240305
HELLIWELL R A<PI> CONTRACT NR. AF 18(603)-126
PROJ/TASK NR. 9768-37650

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STANFORD UNIV CALIF
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BY ANDERSON M E DDC NR.
PAKE G E CONTRACT NR. AF 49(638)-482
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COLUMBIA UNIV N Y
ANOMALOUS RELAXATION OF HYPERFINE COMPONENTS IN
ELECTRON SPIN RESONANCE--II AUG 1960
BY SCHREURS G W H DDC NR. 242504
FRAENKEL G K CONTRACT NR. AF 49(638)-520
PROJ/TASK NR. 9763-37630

AFOSR TN 60-864
MARYLAND UNIV OF COLLEGE PARK
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J MATH PHYS 1 97-106 MAR APR 1960
BY GARCIA-COLIN, L. S. DDC NR. 253070
PERETTI, J. CONTRACT NR. AF 18(600)-1315
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AFOSR TN 60-865
GEORGIA INST OF TECHNOLOGY ATLANTA
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BY MCDANIEL F. W. DDC NR. 242566
CONTRACT NR. AF 18(600)-1524
PROJ/TASK NR. 9767

AFOSR TN 60-867
WAYNE STATE UNIV, DETROIT, MICH
PROBLEMS ON CONFORMAL MAPS OF RIEMANNIAN AND KAEHLERIAN
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BY GOLDBERG, S. I. DDC NR. 244303
CONTRACT NR. AF 49(638)-14
PROJ/TASK NR. 9769-37658

AFOSR TN 60-868
KENT STATE UNIV OHIO
THE STRUCTURE OF THE WATER MOLECULE IN SOLID HYDRATED
COMPOUNDS DEC 1960
J CHEM PHYS 34 322-325 JAN 1961
BY MCGRATH, J. W. DDC NR. 252842
SILVIDI, A. A. CONTRACT NR. AF 49(638)-168
PROJ/TASK NR. 9768-37650

AFOSR TN 60-869
CALIFORNIA INST OF TECH, PASADENA
SOME PRELIMINARY EXPERIMENTS CONCERNING THE EFFECTS OF
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COMPRESSOR FINAL REPORT JUN 1960
BY MARBLE F. E. DDC NR.
HEISER W. H. PROJ/TASK NR. AF 49(638)-497

AFOSR TN 60-870
MARYLAND UNIV COLLEGE PARK
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BY SPRECHER D. A. DDC NR. 242311
DOUGLIS A<PI> CONTRACT NR. AF 49(638)-590
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AFOSR TN 60-871
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
APR 1960 REPRINTED JUNE 1962 THE REACTION OF GLASSES,
PYROLYTIC GRAPHITE, AND SELECTED REFRACTORIES WITH SODIUM
VAPOR AT ELEVATED TEMPERATURES APR 60
BY IHNAT, M. E. DDC NR. 278425
JAMES G S<PI> CONTRACT NR. AF 49(638)-659
KANTROWITZ A R PROJ/TASK NR. 9752-37521

AFOSR TN 60-872
NORTH CAROLINA UNIV OF CHAPEL HILL
PERCENTAGE ESTIMATION OF PROPORTION AS A FUNCTION OF
ELEMENT TYPE EXPOSURE TIME AND TASK
JEXPER PSYCH 61 430-436 MAY 1961
BY SHUFORD E H DDC NR.
JONES L V CONTRACT NR. AF 49(638)-729
SHUFORD E H PROJ/TASK NR. 9778-37708

AFOSR TN 60-875
DREXEL INST OF TECHNOLOGY, PHILADELPHIA, PA
EQUATION AND TABLE FOR DETERMINATION OF THE WAVE OF
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BY THORNTHWAITE, C. W. DDC NR. 241892
THORNTHWAITE, S. CONTRACT NR. 49(638)-409
PROJ/TASK NR. 9774-37665

AFOSR TN 60-876
DREXEL INST OF TECHNOLOGY, PHILADELPHIA, PA.
ANNOTATED BIBLIOGRAPHY ON PRECIPITATION CHEMISTRY
BY MATHER, J. R. DDC NR. 241893
THORNTHWAITE, C. W. CONTRACT NR. 49(638)-409
PROJ/TASK NR. 9774-37665

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BY JARMAIN, W. R. DDC NR. 247906
MICHOLLS R W<PI> CONTRACT NR. AF 49(638)-640
PROJ/TASK NR. 9774-37663

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AFOSR TN 60-879
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BY MAGGIO T E DDC NR. 241437
ENGLISH JR J CONTRACT NR. AF 49(638)-37
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AFOSR TN 60-880
IOWA STATE UNIV AMES
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BY RUSSELL G A DDC NR.
HENDRY D G CONTRACT NR. AF 49(638)-678
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AFOSR TN 60-882
RICE INST HOUSTON TEX
STACKING FAULTS IN PLATINUM JUL 1960
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BY TARANTO J DDC NR. 243291
BROTZEN F R CONTRACT NR. AF 49(638)-78
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ILLINOIS UNIV OF URBANA
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J APPL PHYS 32 267-273 FRB 1961
BY STANLEY J DDC NR. 243916
WERT C CONTRACT NR. AF 49(638)-672
PROJ/TASK NR. 9760-37601

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ALFRED UNIV N Y
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TRAINING CENTER EXPERIMENTAL AERODYNAMICS BRUSSELS BELGIUM
APR 1960. THE EXISTENCE OF THREE-DIMENSIONAL PERTURBATIONS IN THE REATTACHMENT OF A TWO-DIMENSIONAL SUPERSONIC BOUNDARY LAYER AFTER SEPARATION
BY GINOUX J. J. — DDC NR. 260501 — CONTRACT NR. AF 61(514)-999 — PROJ/TASK NR. 9701-37712

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SUNDSTRAND CORP, ROCKFORD, ILL
ANALYSIS AND MEASUREMENT OF CHEMICAL CONVERSION TIME IN A LIQUID FUEL ROCKET ENGINE WITH DISTRIBUTED COMBUSTION JUL 1960
BY BIXSON, L. L. — DDC NR. 260895 — CONTRACT NR. AF 18(603)-107 — PROJ/TASK NR. 9751-37510

AFOSR TN 60-887
AEROCHEM RSCH LABORATORIES, INC, PRINCETON, NJ
DIFFUSION AND CHEMICAL SURFACE CATALYSIS IN FLOW SYSTEM ACS-I/EC SYMP MECHANICS OF INTERFACIAL REACTIONS JOHNS HOPKINS U DEC 28-29 1959
BY ROSNER, D. E. — CALCOTE, H. F. (P.I.) — DDC NR. 250996 — CONTRACT NR. AF 49(638)-300 — PROJ/TASK NR. 9752-37520

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AEROCHEM RSCH LABORATORIES INC, PRINCETON, N J
CALCULATION OF EQUILIBRIA IN THERMALLY IONIZED GASEOUS MIXTURES - THE SAHA EQUATION SEP 1958
BY ROSNER, D. E. — CALCOTE, H. F. (P.I.) — DDC NR. — CONTRACT NR. AF 49(638)-300 — PROJ/TASK NR. 9752-37520

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PENNSYLVANIA UNIV OF PHILADELPHIA
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BY HALPERN J(PI) — DDC NR. 239360 — CONTRACT NR. AF 49(638)-654 — PROJ/TASK NR. 9750-37500

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LIEGE UNIV, BELGIUM
PROBLEMS AND METHODS IN PARTIAL DIFFERENTIAL EQUATIONS PART II. THE METHOD OF SINGULARITIES JUN 1960
BY BUREAU, F. J. — DDC NR. 260981 — CONTRACT NR. AF 61(052)-86 — PROJ/TASK NR. 9769-37658

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CALIFORNIA UNIV OF, BERKELEY
THEORY OF THE LOW-ENERGY PION-PION INTERACTION, PART II MAR 60
ILNUOVO CIM SER X 16 752-776 FEB 1961
BY CHEW, G. F. — MANDELSTAM, S. — KARPLUS R(PI) — DDC NR. 258896 — CONTRACT NR. AF 49(638)-327 — PROJ/TASK NR. 9750-37500

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SOME EFFECTS OF HOLE-HOLE INTERACTIONS IN SYSTEMS OF FERMIONS 1960
BY SAWICKI, J. — KARPLUS, R.(P.I.) — DDC NR. 263996 — CONTRACT NR. AF 49(638)-327 — PROJ/TASK NR. 9750-37500

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SELF-SIMILAR FLUIDS JUL 1960
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AFOSR TN 60-894
TEXAS A & M, COLLEGE STATION
CONCENTRATION DEPENDENCE OF NMR SPIN-LATTICE RELAXATION TIMES IN SOLUTIONS
J CHEM PHYS 34 651-654 FEB 1961
BY MITCHELL, R. W. — EISNER, M. — DDC NR. 256735 — CONTRACT NR. AF 18(600)-1300 — PROJ/TASK NR. 9751-37511

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CALIFORNIA INST OF TECHNOLOGY PASADENA
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ASTROPHYS J 133 940-949 JAN 1961
BY ROMSACK, W. P. — DDC NR. 259751 — CONTRACT NR. AF 49(638)-21 — PROJ/TASK NR. 9776-37669

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CALIFORNIA INST OF TECHNOLOGY PASADENA
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BY ROMSACK, W. P. — GREENSTEIN J L(PI) — DDC NR. 261991 — CONTRACT NR. AF 49(638)-21 — PROJ/TASK NR. 9776-37669

AFOSR TN 60-898
MARYLAND UNIV OF COLLEGE PARK
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BY CATANIELLO, F. R. — OKURO, S. — TOLL J S(PI) — DDC NR. 262696 — CONTRACT NR. AF 49(638)-24 — PROJ/TASK NR. 9751-37512

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REV SCI INST 32 970-971 1961
BY ST. JOHN, R. M. — DDC NR. 261316 — CONTRACT NR. AF 49(638)-61 — PROJ/TASK NR. 9767

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OKLAHOMA UNIV OF NORMAN
NEW PROCESS OF EXCITATION TRANSFER IN HELIUM
PHY REV 122 1819-1820 1961
BY ST. JOHN, R. M. — FOWLER, R. G. — DDC NR. 261317 — CONTRACT NR. AF 49(638)-61 — PROJ/TASK NR. 9767

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BY LIN, C. C. — FOWLER, R. G. — ST JOHN R M(PI) — DDC NR. — CONTRACT NR. AF 49(638)-61 — PROJ/TASK NR. 9767

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VIRGINIA UNIV OF CHARLOTTESVILLE
NON-OBSTRUCTING SETS AND RELATED MAPPINGS AUG 1960
BY WHYBURN, G. T. — DDC NR. 256045 — CONTRACT NR. AF 49(638)-72 — PROJ/TASK NR. 9783-37727

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MARYLAND UNIV OF COLLEGE PARK
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BY BRAMBLE J H — PAYNE L E — WEINSTEIN A — DDC NR. 261211 — CONTRACT NR. AF 49(638)-228 — PROJ/TASK NR. 9783-37727

AFOSR TN 60-904
STANFORD UNIV CALIF
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BY TUTTLE JR T R — DDC NR. 262738 — CONTRACT NR. AF 49(638)-482 — CONTRACT NR. AF 18(603)-131 — PROJ/TASK NR. 9760-37600

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BOSTON UNIV MASS
A NEW EXPANSION OF THE DIFFERENTIAL OPERATOR FOR THE TIME DEVELOPMENT OF FLUCTUATION DISTRIBUTIONS
2D INT SYMP RARIFIED GAS DYN 1960 PP 261-279
BY SIEGEL, A. — DDC NR. — CONTRACT NR. AF 49(638)-675 — PROJ/TASK NR. 9791-37511

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LABORATOIRE MEDITERRANEEN DE RECH THERMODYN, NICE, FR
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JULY 1960. RESEARCHES ON THE PHENOMENA OBSERVED WHEN A BODY IS MOVING IN AN IONIZED ATMOSPHERE BY THE METHOD OF THE REVOLVING ARM
BY DEVIENNE, F. M. — ROUSTAN A. — DDC NR. 262183 — CONTRACT NR. AF 61(052)-174 — PROJ/TASK NR. 9781-37712

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CALIFORNIA UNIV OF, BERKELEY
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BY MAURER D. — KOSTANT B. (P.I.) — DDC NR. 252644 — CONTRACT NR. AF 49(638)-79 — PROJ/TASK NR. 9769-37658

AFOSR TN 60-909
COLORADO UNIV OF, BOULDER
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BY SCHUSEE G. — THRON W. J. — DDC NR. 261682 — CONTRACT NR. AF 49 (638)-100 — PROJ/TASK NR. 9783-37727

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ILLINOIS UNIV OF URBANA, ILL
THE ZEROS OF ENTIRE FUNCTIONS OF EXPONENTIAL TYPE AUG 1960
BY MALLIAVIN, P. — RUBEL, L. A. — DDC NR. 263162 — CONTRACT NR. AF 49(638)-917 — PROJ/TASK NR. 9783-37727

AFOSR TN 60-911
HARVARD UNIV CAMBRIDGE, MASS
BEST APPROXIMATORS WITHIN A LINEAR FAMILY ON AN INTERVAL
PROC NAS 46 1224-1229 SEP 1960
BY WALSH, J. L. — MOTZKIN, T. S. — DDC NR. 264395 — CONTRACT NR. AF 49(638)-576 — PROJ/TASK NR. 9769-37658

AFOSR TN 60-912
HARVARD UNIV, CAMBRIDGE, MASS
SERIES EXPANSIONS OF SOLUTIONS OF THE HEAT EQUATION IN N DIMENSIONS AUG 1960
BY WIDDER, D. V. — WALSH, J. (P.I.) — DDC NR. 264396 — CONTRACT NR. AF 49(638)-576 — PROJ/TASK NR. 9769-37658

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CAMBRIDGE UNIV OF ENGLAND
STIMULATION OF FRONTAL CORTEX AND DELAYED ALTERNATION PERFORMANCE IN THE MONKEY DEC 1959
BY WEISKRANTZ, L — DDC NR. 264024 — CONTRACT NR. AF 61(052)-189 — PROJ/TASK NR. 9777-37700

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POLITECNICO DI TORINO ITALY
ON THE INTERACTION BETWEEN STREAM AND BODY IN A FREE MOLECULE FLOW. PART I ENERGY EXCHANGES PART II MOMENTUM EXCHANGES 1960
RARFFIED GAS DYNAMICS ACADEMIC PRESS PP 189-200
BY ROCILLA S — DOC NR. 262629
FERRARI C<P.I.> — CONTRACT NR. AF 61(052)-200
PROJ/TASK NR. 9781-97719

AFOSR TN 60-914
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BY ROCILLA S — DOC NR. 252892
CONTRACT NR. AF 61(052)-200
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POLITECNICO DI TORINO ITALY
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BY JARRE G — DOC NR. 262626
FERRARI, C<P.I.> — CONTRACT NR. AF 61(052)-200
PROJ/TASK NR. 9781-97719

AFOSR TN 60-916
FREE UNIV OF WEST BERLIN GERM
REMARKS ON THE VALIDITY OF A TEST FOR EVOLUTION MAY 1960
BY JUST E — DOC NR. 261913
WIELER R — CONTRACT NR. AF 61(052)-335
PROJ/TASK NR. 9776-97669

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PARIS UNIV OF FRANCE
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LEVY M — PROJ/TASK NR. 9750-97500

AFOSR TN 60-918
HARVARD UNIV CAMBRIDGE, MASS
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BY SCHWINGER, J. — DOC NR. 263572
GLAUBER R J<P.I> — CONTRACT NR. AF 49(638)-989
PROJ/TASK NR. 9776-97669

AFOSR TN 60-919
COLUMBIA UNIV N Y
NOTE ON THE CALCULATION OF SATURATION EFFECTS IN MAGNETIC RESONANCE AUG 1960
BY STEPHEN M J — DOC NR. 262906
FRAENKEL G K — CONTRACT NR. AF 49(638)-920
PROJ/TASK NR. 9769-97630

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COLUMBIA UNIV N Y
MOLECULAR ORBITAL THEORY AND HYPERFINE SPLITTING IN ELECTRON SPIN RESONANCE SPECTRA OF SEMICONDUCTORS AUG 1960
BY FRAENKEL, G K — DOC NR. 262905
CONTRACT NR. AF 49(638)-920
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AFOSR TN 60-921
PRINCETON UNIV., PRINCETON, N.J.
OBSTRUCTIONS TO IMPOSING DIFFERENTIABLE STRUCTURES JUL 1960
BY MILNORS, J. — DOC NR.
MOORE, J. C.<P.I.> — CONTRACT NR. AF 49(638)-491
PROJ/TASK NR. 9760-97658

AFOSR TN 60-922
NORTH CAROLINA UNIV OF CHAPEL HILL
A RATIONAL ORIGIN OBTAINED BY THE METHOD OF CONTINGENT PAIRED COMPARISONS
PSYCHOMETRIKA 25 383-396 DEC 1960
BY SHUFORD E H — DOC NR. 250702
JONES L V — CONTRACT NR. AF 49(638)-729
BOCK R D — PROJ/TASK NR. 9778-97708

AFOSR TN 60-923
ILLINOIS UNIV OF URBANA
DRAG ON A MOVING DISLOCATION IN THE FRENKEL-KONTOROVA MODEL JUN 1960
BY MOBART R — DOC NR. 251827
READ T A — CONTRACT NR. AF 49(638)-620
PROJ/TASK NR. 9760-97601

AFOSR TN 60-924
IOWA STATE UNIV AMES
SOUND DISPERSION IN ETHANE-ETHYLENE MIXTURES AND IN HALO-ETHANE GASES
J CHEM PHYS 33 481-485 JAN 1962
BY VALLEY, L. M. — DOC NR.
LEGVOLD, S. — CONTRACT NR. AF 18 600>-1496
PROJ/TASK NR. 9791-97911

AFOSR TN 60-925
IOWA STATE UNIV AMES
VIBRATIONAL RELAXATION TIMES FOR GAS MIXTURES
PHYS FLUIDS 3 891 SEP-OCT 1960
BY VALLEY, L. M. — DOC NR.
LEGVOLD, S. — CONTRACT NR. AF 18(600)1496
PROJ/TASK NR. 9791-97911

AFOSR TN 60-926
OKLAHOMA UNIV OF NORMAN
THE WIGNER RULE AND MULTIPLE STATE TRANSFER OF EXCITATION IN HELIUM
BY ST. JOHN, R. M. — DOC NR.
FOWLER, R. G. — CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9767

AFOSR TN 60-927
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
MICROWAVE MEASUREMENT OF ELECTRON DENSITY DISTRIBUTIONS IN PLASMA COLUMNS JUL 1960
BY STEWART, G. E. — DOC NR. 263930
KAPRIELIAN, Z. A. — CONTRACT NR. AF 49(638)-922
PROJ/TASK NR. 9760-97658

AFOSR TN 60-929
MINNESOTA UNIV OF MINNEAPOLIS
CARBON-13 HYPERFINE SPLITTINGS IN SEMICONDUCTORS
J CHEM PHYS 33 1080-1081 DEC 1960
BY REITZ D C — DOC NR. 261919
DRAVNIEKS F — CONTRACT NR. AF 18(603)-17
WERTZ J E — PROJ/TASK NR. 9777-97702

AFOSR TN 60-930
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF SBCL3 PO CH3 SEP 1960
BY BRANDEN C I — DOC NR. 267020
LINDQVIST I — CONTRACT NR. AF 61(052)-41
PROJ/TASK NR. 9760-97600

AFOSR TN 60-931
STANFORD UNIV CALIF
TRAVELING-WAVE AMPLIFICATION OF WHISTLERS AUG 1960
BY BRICE, N. M. — DOC NR. 263801
HELLIWELL R A — CONTRACT NR. AF 18(603)-126
PROJ/TASK NR. 9760-97650

AFOSR TN 60-932
CALIFORNIA UNIV OF BERKELEY, CALIF
PHOTOGRAPHIC OBSERVATION OF ACCELERATING PLASMA JUL 1960
BY BAUMANN, W. — DOC NR. 24-280
URTIEN, P. A. — CONTRACT NR. AF 49(638)-166
OPPENHEIM, A. K. — PROJ/TASK NR. 9791-97910

AFOSR TN 60-933
RIAS INC BALTIMORE MD
SIMPLE CURVES ON COMPACT SURFACES
PROC NAS 46 1242-1245 SEP 1960
BY REINHART A L — DOC NR. 267208
LEFSCHETZ S — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-97726

AFOSR TN 60-934
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
ANALYSIS OF CONSTANT VELOCITY PULSED PLASMA ACCELERATOR JUL 1960
BY STEELY, J. L. JR. — DOC NR. 263359
JAMES G JR<P.I> — CONTRACT NR. AF 49(638)-699
KANTROWITZ A R — PROJ/TASK NR. 9792-97521

AFOSR TN 60-936
UNIVERSITY COLLEGE CORK IRELAND
PLASTIC BEAM THEORY FOR THE ELECTRONIC COMPUTER - A RECURRENCE APPROACH JUNE 1960
BY QUINLAN P M — DOC NR. 262326
CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9781-97797

AFOSR TN 60-937
UPPSALA UNIV SWEDEN
ANTIPROTON ANNIHILATIONS IN COMPLEX NUCLEI 1960
BY ERSPONG A G — DOC NR. 262633
FRISK A — CONTRACT NR. AF 61(052)-19
NILSSON S — PROJ/TASK NR. 9750-97500
ROMMF R F
SIEGBAHN K

AFOSR TN 60-938
CORNELL AERONAUTICAL LABORATORY, INC, BUFFALO, NY
HEAT TRANSFER TO SHARP AND BLUNT YAWED PLATES IN HYPERSONIC AIRFLOW 18 SEP 1960
BY HALL J. G. — DOC NR. 263931
GOLIAN T. C. — CONTRACT NR. AF 18(603)-10
HERTZBERG A. <P.I.> — PROJ/TASK NR. 9783-97725

AFOSR TN 60-939
OSLO UNIV NORWAY
ON THE DYNAMICS OF PROMINENCES AND CORONAL CONDENSATIONS 1960
BY JENSER E — DOC NR. 264350
CONTRACT NR. AF 61(052)-49
PROJ/TASK NR. 9776-97661

AFOSR TN 60-940
OSLO UNIV NORWAY
ON THE EFFECT OF A MAGNETIC FIELD UPON EXTREMELY LOW FREQUENCY ELF WAVE PACKETS 1960
BY MOLTER O — DOC NR. 264351
JENSEN, E. <P.I.> — CONTRACT NR. AF 61(052)-49
PROJ/TASK NR. 9776-97661

AFOSR TN 60-941
PARIS UNIV OF FRANCE
MODEL FOR THE CALCULATION OF THE OPTICAL POTENTIAL IN SOMF FINITE NUCLEI 1960
NUC PHYS 21 296
BY JANCOVICI B — DOC NR. 262269
LEVY M — CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9750-97500

AFOSR TN 60-942
VIENNA UNIV OF AUSTRIA
THE TWO-BODY PROBLEM IN THE EXTREME RELATIVISTIC LIMIT JUN 1960
BY THIRRING W F — DOC NR. 262631
BAUMANN K — CONTRACT NR. AF 61(052)-265
PROJ/TASK NR. 9791-97912

AFOSR TN 60-944
WASHINGTON UNIV ST LOUIS, MO
STATISTICAL MECHANICS OF MOLECULAR IONS
J CHEM PHYS 33 1709-1711 DEC 60
BY VARNEY, R. N. — DOC NR.
CONTRACT NR. AF 18(600)-1917
PROJ/TASK NR. 9767

AFOSR TN 60-949
GEORGIA INST OF TECHNOLOGY ATLANTA
THE TRANSPORT PROPERTIES OF A FULLY IONIZED GAS I. A QUANTAL STUDY OF DIFFUSION AND VISCOSITY CROSS SECTION FOR A SCREENED COULOMB POTENTIAL SEP 1960
BY MCDOWELL, M. R. C. — DDC NR., 249157
PEACH, G. — CONTRACT NR., AF 18<600>-1524
MCDANIEL E W<PI> — PROJ/TASK NR., 9767

AFOSR TN 60-966
CORNELL UNIV ITHACA N Y
STABILITIES OF GASEOUS MOLECULES IN THE PB SE AND PB TE SYSTMES
J CHEM PHYS 34 983-987 FEB 1961
BY PORTER R F — DDC NR., CONTRACT NR., AF 18<603>-1, PROJ/TASK NR., 9769-37610

AFOSR TN 60-967
AEROJET-GENERAL CORP., AZUSA, CALIF
IRRADIATION YIELDS OF RADICALS IN GAMMA IRRADIATED ICE AT 4.2° AND 77°K JAN 1961
BY SIEGEL, S. — DDC NR., 250131
FLOURNOY, J. M. — CONTRACT NR., AF 18<603>-110
BAUM, L. M. — PROJ/TASK NR., 9752-37501
MOE, G. <P.I.>

AFOSR TN 60-968
MARYLAND UNIV OF COLLEGE PARK
RELATIVISTIC QUANTUM MECHANICS AND QUANTUM FIELD THEORY LECTURES SEP 1960
BY SUCHER, J. — DDC NR., 249836
TOLL J S<PI> — CONTRACT NR., AF 49<638>-26, PROJ/TASK NR., 9751-37512

AFOSR TN 60-969
PUERTO RICO UNIV MAYAGUEZ
PECULIARITIES AND SEASONAL VARIATIONS OF TRANSEQUATORIAL BACKSCATTER ECHOES AS OBSERVED AT MAYAGUEZ, PUERTO RICO J GEOPHYS RSCH 65 1691-1698 JUN 1960
BY DUERO, A — DDC NR., 249918, CONTRACT NR., AF 49<638>-172, PROJ/TASK NR., 9768-37650

AFOSR TN 60-990
TORONTO UNIV OF CAN
A THEORY OF THE SOUND FROM JETS AND OTHER FLOWS IN TERMS OF SIMPLE SOURCES JUL 1960
BY RIBNER, H. S. — DDC NR., 247663, CONTRACT NR., AF 49<638>-249, PROJ/TASK NR., 9781-37712

AFOSR TN 60-991
NEW YORK UNIV NY
COMPARISON OF THE SENSITIVITIES OF THE BEAM MASER AND CAVITY ABSORPTION SPECTROMETERS <MISPRINTED AFOSR-TN-58-871> REV SCI INSTR 32 23-27 JAN 1961
BY BEERS, Y. — DDC NR., 254849, CONTRACT NR., AF 49<638>-259, PROJ/TASK NR., 9768-37650

AFOSR TN 60-992
UNIV MAYOR DE SAN ANDRES LA PAZ BOLIVIA
VARIACIONES CON EL TIEMPO DE LA INTENSIDAD DE LA RADIACION COSMICA VARIATION OF COSMIC RAY INTENSITY WITH TIME CONF OF LAT AMERICAN COSMIC RAY COUNCIL RIO DE JANEIRO JUN 1960 SPONSORED BY UNESCO
BY BERRUEAD N — DDC NR., CONTRACT NR., AF 49<638>-230, PROJ/TASK NR., 9776-37605
LAZO R A A
MALDONADO E
ESCOBAR I V <P.I.>

AFOSR TN 60-993
POLYTECHNIC INST OF BROOKLYN NY
FLEXURAL VIBRATIONS OF RECTANGULAR SANDWICH PLATES AUG 1960
BY YU, Y. Y. — DDC NR., 248073, CONTRACT NR., AF 49<638>-653, PROJ/TASK NR., 9782-37717

AFOSR TN 60-994
UNIV OF TEXAS AUSTIN
THE INTERACTION OF A TRIPLET AND A NORMAL HELIUM ATOM JAN 1961
BY BRIGMAN, G. H. — DDC NR., 249257
BRIENT, S. J. — CONTRACT NR., AF 49<638>-560
MATSEN, F. A. — PROJ/TASK NR., 4759-02

AFOSR TN 60-995
AVCO-EVERETT RSCH LABORATORY EVERETT, MASS
MAGNETOHYDRODYNAMIC PROPULSION AUG 1960
BY JAHN, G. S. — DDC NR., 249117
KANTROWITZ A R<PI> — CONTRACT NR., AF 49<638>-659, PROJ/TASK NR., 9752-37521

AFOSR TN 60-996
RENSSELAER POLYTECHNIC INST TROY NY
SEP 1960 EFFECT OF SURFACE MASS-TRANSFER ON THE IMPULSIVE MOTION OF AN INFINITE PLATE AT HYPERSONIC SPEEDS IN A VISCOUS COMPRESSIBLE FLUID
ARS MTG LOS ANGELES, CALIF MAY 9-12, 1960
BY LI, T. Y. — DDC NR., 246621, CONTRACT NR., AF 18<600-1591, PROJ/TASK NR., 9781-37713

AFOSR TN 60-997
RESSELAER POLYTECHNIC INST TROY NY
RECENT ADVANCES IN NONEQUILIBRIUM FLOW IN GAS DYNAMICS MAY 1960
BY LI, T. Y. — DDC NR., 246644, CONTRACT NR., AF 18<600>-1591, PROJ/TASK NR., 9781-37713

AFOSR TN 60-999
INDIANA UNIV BLOOMINGTON
FIRST EXCITED STATE OF H2 A SOUBLE MINIMUM PROBLEM
J CHEM PHY 33 1577 NOV 60
BY SHULL H — DDC NR., CONTRACT NR., AF 49<638>-318, PROJ/TASK NR., 9760-37600

AFOSR TN 60-960
CALIFORNIA UNIV OF
EXTENSIONS IN THE SYNTHESIS OF TIME OPTIMAL OR BANG-BANG NONLINEAR CONTROL SYSTEMS PART2 THE SYNTHESIS F NONLINEAR CONTROL SYSTEMS PART I THE SYNTHESIS OF QUASI-STATIONARY OPTIMUM NONLINEAR CONTROL SYSTEMS PART II SYNTHESIS AND ANALYTIC STUDIES OF OPTIMUM TYPE II NONLINEAR CONTROL SYSTEMS PART III SYNTHESIS AND ANALYTIC STUDIES OF OPTIMUM TYPE II NONLINEAR CONTROL SYSTEMS WITH COMPLEX ROOTS
BY CHANDAKET P — DDC NR., 247623
BY — DDC NR., 247624
BY — DDC NR., 246959
LEONDES C T — CONTRACT NR., AF 49<638>-448
ESTRIN E — PROJ/TASK NR., 9783-37726

AFOSR TN 60-961
LITTON, INDUS, BEVERLY HILLS, CALIF
A MODEL FOR THE MOTION OF A RAREFIED PLASMA IN AN AXIALLY SYMMETRIC MAGNETIC FIELD JUL 1960
BY PENFOLD, A. S. — DDC NR., 246638, CONTRACT NR., AF 49<638>-759, PROJ/TASK NR., 9752-37521

AFOSR TN 60-962
VIENNA UNIV AUSTRIA
ON THE FERMI-YANG THEORY OF THE PION JUN 1960
BY THIRRING W F — DDC NR., 247019
BAUMANN K — CONTRACT NR., AF 61<052>-265
FREUND P G O — PROJ/TASK NR., 9751-37512

AFOSR TN 60-963
SOUTHERN CALIFORNIA UNIV LOS ANGELES
MOMENT EQUATIONS AND BOUNDARY CONDITIONS FOR MAGNETO-GAS DYNAMICS JUL 1960
BY HSUN-TIAO YANG — DDC NR., 246124
CHUAN R L<PI> — CONTRACT NR., AF 18 <603>-95, PROJ/TASK NR., 9783-37725

AFOSR TN 60-964
WASHINGTON UNIV ST LOUIS MO
STRUCTURE OF THE S-MATRIX IN THE PRESENCE OF A BOUND STATE PHYS REV 121 946-949 JAN 1961
BY TANI S — DDC NR., CONTRACT NR., AF 18<603>-108, PROJ/TASK NR., 9751-37512
CONDON, E U<P.I.>

AFOSR TN 60-965
NEW YORK UNIV NY
THE SOLUTION OF THE FUNCTIONAL DIFFERENTIAL EQUATION FOR THE STATISTICAL EQUILIBRIUM OF A CRYSTAL AUG 1960
BY LEWIS, R. M. — DDC NR., 249399
KELLER, J. B. — CONTRACT NR., AF 49<638>-341, PROJ/TASK NR., 9768-37650
KLINE M<PI>
KRAICHNAN R H

AFOSR TN 60-966
GENERAL ELECTRIC RSCH LABORATORY SCHENECTADY N Y
OBSERVATION OF ADSORPTION ON AN ATOMIC SCALE
J CHEM PHY 33 1293-1296 OCT 1960
BY EHRLICH G — DDC NR., CONTRACT NR., AF 49<638>-791, PROJ/TASK NR., 9761-37610
HUDDA F G

AFOSR TN 60-967
MICHIGAN UNIV OF ANN ARBOR
BEHAVIORAL DECISION THEORY
ANN REV PSYCH 12 473-498 1961
BY EDWARDS W — DDC NR., 252902, CONTRACT NR., AF 49<638>-769, PROJ/TASK NR., 9778-37708

AFOSR TN 60-969
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROVISIONAL LITERATURE IMAGE 90L OF DONNAY AND DONNAY CRYSTAL DATA PART II NEW EDITION TETRAGONAL CRYSTALS SECTION 1 JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR., AF 49<638>-416, PROJ/TASK NR., 9700-37601

AFOSR TN 60-970
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROVISIONAL LITERATURE IMAGE 91L OF DONNAY AND DONNAY CRYSTAL DATA PART II NEW EDITION TETRAGONAL CRYSTALS SECTION 2 JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR., AF 49<638>-416, PROJ/TASK NR., 9700-37601

AFOSR TN 60-971
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROVISIONAL LITERATURE IMAGE 92L OF DONNAY AND DONNAY CRYSTAL DATA PART II NEW EDITION TETRAGONAL CRYSTALS SECTION 3 JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR., AF 49<638>-416, PROJ/TASK NR., 9700-37601

AFOSR TN 60-972
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
TABULATION OF PART II DETERMINATIVE TABLES OF CRYSTAL DATA TETRAGONAL CRYSTAL SYSTEM SECTION 1 JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR., AF 49<638>-416, PROJ/TASK NR., 9700-37601

AFOSR TN 60-973
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROVISIONAL PROPERTY SORT 90S CORRESPONDING TO LITERATURE IMAGE 90L FROM DONNAY AND DONNAY NEW EDITION TETRAGONAL CRYSTALS SECTION 1 JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR., AF 49<638>-416, PROJ/TASK NR., 9700-37601

AFOSR TN 60-974
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SAMPLE FROM EXTRACTORS MANUAL FOR THE GROTH INSTITUTE
SECOND REVISED EDITION PART 1 GENERAL DISCUSSIONS
AND DIRECTIONS JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR. AF 49(638)-416, PROJ/TASK NR. 9700-37601

AFOSR TN 60-975
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
ON CRYSTALLOGRAPHIC DATA EXTRACTION AT THE SOURCE A
PROPOSAL TO THE INTERNATIONAL UNION OF
CRYSTALLOGRAPHY JUL 1960
BY PEPINSKY R — DDC NR., CONTRACT NR. AF 49(638)-416, PROJ/TASK NR. 9700-37601

AFOSR TN 60-976
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
NEW SYSTEM OF TABULATED REPORT PAGE IDENTIFICATION
IN THE GROTH INSTITUTE AUG 1960
BY PEPINSKY R — DDC NR. 279809, CONTRACT NR. AF 49(638)-416, PROJ/TASK NR. 9700-37601

AFOSR TN 60-977
COLUMBIA UNIV N Y
MICROCRACKS IN MILD STEEL JUN 1960
BY BESHERS D N; OHRING M; SCHNABEL W F; GENSAMER M — DDC NR. 247554, CONTRACT NR. AF 49(638)-408, PROJ/TASK NR. 9760-37601

AFOSR TN 60-978
PENNSYLVANIA UNIV OF PHILADELPHIA
THE FRICTIONAL STRESS ACTING ON A MOVING DISLOCATION
IN AN OTHERWISE PERFECT CRYSTAL
PHY REV 120 773-781 NOV 1960
BY KUHLMANN-WILSDORF D; MADDIN R — DDC NR. 243204, CONTRACT NR. AF 49(638)-435, PROJ/TASK NR. 9760-37601

AFOSR TN 60-979
CALIFORNIA UNIV OF BERKELEY
VACANCY CLUSTERS IN ALKALI HALIDE CRYSTALS AUG 1960
BY JOHNSON C A; PARKER E R — DDC NR. 243935, CONTRACT NR. AF 49(638)-601, PROJ/TASK NR. 4759

AFOSR TN 60-982
DUKE UNIV DURHAM NO CAR
NUMERICAL VALUES OF SOME INTEGRALS INVOLVING BESSEL
FUNCTIONS JUL 1960
PROC EDINBURGH MATH SOC 13 SER II 87-113 JUN 1962
BY GEORGE D L; GERGEN J J — DDC NR. 243143, CONTRACT NR. AF 18(600)-1341, PROJ/TASK NR. 9783-37727

AFOSR TN 60-983
DUKE UNIV DURHAM NO CAR
THE PERTURBATION OF GROUP REPRESENTATIONS
DUKE MATH J 28 325-334 SEP 1961
BY HARRIS JR R T; GERGEN J J — DDC NR. 243144, CONTRACT NR. AF 18(600)-1341, PROJ/TASK NR. 9783-37727

AFOSR TN 60-984
NORTH CAROLINA UNIV OF CHAPEL HILL
AUG. 1960 ON CERTAIN ALTERNATIVE HYPOTHESIS ON DISPERSION
MATRICES
BY ROY, S. N.; GNANADESIKAN, R.; BOSE, R. C.(P.I.) — DDC NR. 248657, CONTRACT NR. AF 49(638)-213, PROJ/TASK NR. 9769-37658

AFOSR TN 60-985
NORTH CAROLINA UNIV OF CHAPEL HILL
ON A NEW DERIVATION OF A WELL KNOWN DISTRIBUTION, APR 1960
BY ROY, S. N.; BOSE, R. C.(P.I.) — DDC NR., CONTRACT NR. AF 49(638)-213, PROJ/TASK NR. 9769-37658

AFOSR TN 60-986
POLYTECHNIC INST OF BROOKLYN NY
ON THREE-DIMENSIONAL FREE-MIXING AUG 1960
BY BLOOM, M. H.; FERRI A(P.I.) — DDC NR. 244103, CONTRACT NR. AF 49(638)-217, PROJ/TASK NR. 9781-37712

AFOSR TN 60-987
NORTH CAROLINA UNIV OF CHAPEL HILL
ON SEQUENCES OF SUMS OF INDEPENDENT RANDOM VECTORS MAY 1960
BY HOEFFDING, W. — DDC NR. 248655, CONTRACT NR. AF 49(638)-261, PROJ/TASK NR. 9752-37522

AFOSR TN 60-988
NORTHWESTERN UNIV EVANSTON ILL
SYNTHESIS AND CHARACTERIZATION OF CIS AND
TRANS-DICHLORO-BIS ETHYLENEDIAMINE RHODIUM III SALTS
JACS 82 4423-4424 AUG 1960
BY ANDERSON S; BASOLO F — DDC NR., CONTRACT NR. AF 49(638)-315, PROJ/TASK NR. 9760-37600

AFOSR TN 60-989
UTAH UNIV OF SALT LAKE CITY
VELOCITY AND SIZE DISTRIBUTION OF IMPACT SPRAY PARTICLES
MAY 1960
BY BLAKE, R. E.; GROW, R. W.; PALMER, E. P. — DDC NR. 245112, CONTRACT NR. AF 49(638)-462, PROJ/TASK NR. 9751-37511

AFOSR TN 60-990
UTAH UNIV OF SALT LAKE CITY
HYPERVELOCITY IMPACT SPRAY PARTICLES MAY 1960
BY CLARK, W. H.; KADESCH, R. R.; GROW, R. W. — DDC NR. 245113, CONTRACT NR. AF 49(638)-462, PROJ/TASK NR. 9751-37511

AFOSR TN 60-991
MICHIGAN UNIV OF ANN ARBOR
SPECTROSCOPIC EVIDENCE FOR GASEOUS BENZYNE
JACS 82 5240-5241 OCT 1960
BY BERRY R S; SPOKES G W; STILES R M — DDC NR. 246841, CONTRACT NR. AF 49(638)-538, PROJ/TASK NR. 9760-37600

AFOSR TN 60-992
MICHIGAN UNIV OF ANN ARBOR
ASYMMETRIC PRIME ENDS OCT 1960
BY PIRANIAN, G.; COLLINGWOOD, E. F. — DDC NR. 246373, CONTRACT NR. AF 49(638)-633, PROJ/TASK NR. 9752-37522

AFOSR TN 60-993
TILTMAN LANGLEY LTD SURREY, ENGLAND
NOV 1959. AN ITERATIVE ANALOGUE COMPUTOR FOR, A STUDY OF
THE TURBULENT FLAME PROPERTIES OF ELEMENTARY COMBUSTION
CHAMBERS
BY COOPER, A. J.; HUTCHEON, I. C.; CAPELLA, A.(P.I.) — DDC NR. 242429, CONTRACT NR. AF 61(514)-1213, PROJ/TASK NR. 9751-37510

AFOSR TN 60-994
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE AND OPTICAL SPECTRUM OF IRON IN
BERYL
PHYS REV 119 1587-1591 SEP 1960
BY DVIR M; LOW W — DDC NR. 242258, CONTRACT NR. AF 61(052)-59, PROJ/TASK NR. 9763-37631

AFOSR TN 60-995
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRUM OF MN2 IN ZNSIF6 6H20
1 TRANSITION
PHYS REV 120 408-410 OCT 1960
BY FRIEDMAN E; LOW W; BERKS, S. (P.I.) — DDC NR. 242259, CONTRACT NR. A6 61(052)-59, PROJ/TASK NR. 9763-37631

AFOSR TN 60-996
TECHNION RSCH AND DEVEL HAIF, ISRAEL
FEB 1960. RESEARCH ON CROSS-STRESSES IN THE FLOW OF LIQUIDS
SUMMARY OF THE RESEARCH 1 MAR 1959 TO 29 FEB 1960 PT 1
CROSS-STRESSES IN THE LAMINAR FLOW OF LIQUIDS PT 2
CENTRIPETAL AIR-PUMP OPERATED ELECTROMAGNETICALLY B POPPER
M REINER
PT 1 PHYS FLUIDS 3 427-432 MAY-JUN 1960
PT 2 BR J APPL PHYS 10 54-55 JAN 1959
BY REINER, M. — DDC NR. 242271, CONTRACT NR. AF 61(052)-223, PROJ/TASK NR. 9781-37712

AFOSR TN 60-997
RADIO CORP OF AMERICA, PRINCETON, NJ
PLASMA ACCELERATION BY A QUASI-STATIC RF ELECTRIC FIELD
GRADIENT ARS MEETING 3-4 NOV 60
BY RFBOUL, T. T.; GORDON, G. D.; SCHWARTZ, G. A.; HUTTER, E. C.(P.I.) — DDC NR. 255041, CONTRACT NR. AF 49(638)-658, PROJ/TASK NR. 9752-37521

AFOSR TN 60-998
CHICAGO UNIV OF, ILL
EXPERIMENTS ON THE ELEVEN YEAR CHANGES OF COSMIC RAY
INTENSITY USING A SPACE PROBE AUG 60
PHYS REV LTRS 5 272-274 SEP 1960
BY FAN, C. Y.; MEYER, P.; SIMPSON, J. A. — DDC NR. 247967, CONTRACT NR. AF 18(600)-666, PROJ/TASK NR. 9774-37665

AFOSR TN 60-999
CHICAGO UNIV OF ILL
THE RAPID REDUCTION OF COSMIC RADIATION INTENSITY MEASURED
IN INTERPLANETARY SPACE
PHYS REV LTRS 5 269-271 SEP 1960
BY FAN, C. Y.; MEYER, P.; SIMPSON, J. A. — DDC NR. 247969, CONTRACT NR. AF 18(600)-666, PROJ/TASK NR. 9774-37665

AFOSR TN 60-1000
CALIFORNIA INST OF TECHNOLOGY PASADENA
ABUNDANCES IN G DWARFS V,M THE METAL-RICH STAR 20 LEO
MINORIS AND TWO COMPARISON STARS
ASTROPHYS J 133 562-565 1961
BY WALLERSTEIN, G.; HELFER, H. L.; GREENSTEIN J L(PI) — DDC NR. 261990, CONTRACT NR. AF 49 (638)-21, PROJ/TASK NR. 9774-37663

AFOSR TN 60-1001
CALIFORNIA INST OF TECHNOLOGY PASADENA
OSCILLATOR STRENGTHS OF LEAD AND THE LEAD ABUNDANCE IN THE
SUN
ASTROPHYS J 133 566-571 1961
BY HELLIWELL, T. M.; GREENSTEIN J L(PI) — DDC NR. 261993, CONTRACT NR. AF 49(638)-21, PROJ/TASK NR. 9774-37663

AFOSR TN 60-1002
SOUTHERN CALIFORNIA UNIV LOS ANGELES
LOW-SPEED PLANE COUETTE FLOW OF A RAREFIED CONDUCTING GAS
IN A UNIFORM TRANSVERSE MAGNETIC FIELD AUG 1960
BY YANG, H. T.; CHUAN R L — DDC NR. 244123, CONTRACT NR. AF 18(603)-95, PROJ/TASK NR. 9783-37725

AFOSR TN 60-1003
VIENNA UNIV OF AUSTRIA
CONFORMAL INVARIANCE IN QUANTUM FIELD THEORY JUN 1960
BY WESS J; THURRING W E — DDC NR. 242432, CONTRACT NR. AF 61(052)-265, PROJ/TASK NR. 9751-37512

AFOSR TN 60-1004
TILTMAN LANGLEY LTD SURREY, ENGLAND
NOV 1959. TRACER STUDIES OF MIXING IN THE WAKE OF FLAME HOLDERS
BY STAFF — DDC NR. 242428
SPALDING, D. B. — CONTRACT NR. AF 61<514>-1213
CAPELLA, A.<P.I.> — PROJ/TASK NR. 9751-37510

AFOSR TN 60-1005
HEBREW UNIV JERUSALEM ISRAEL
SOME CORRELATES OF THE EMPATHY OF THE WORKERS WITH THE FOREMAN
J APPL PSYCH 6-10 1960
BY FOA U G — DDC NR. 242272
GUTTMAN L — CONTRACT NR. AF 61<052>-121
9778-37707

AFOSR TN 60-1006
HEBREW UNIV JERUSALEN ISRAEL
A CONSTRUCTIVE FORMULA FOR COMMUNALITIES FEB 1960
BY GUTTMAN L — DDC NR. 242268
CONTRACT NR. AF 61<052>-121
PROJ/TASK NR. 9778-37707

AFOSR TN 60-1007
HEBREW UNIV JERUSALEN ISRAEL
A STRUCTURAL THEORY FOR INTERGROUP BELIEFS AND ACTION
AMER SOCIOL REV 24 318-328 JUN 1959
BY GUTTMAN L — DDC NR. 242273
CONTRACT NR. AF 61<052>-121
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1008
HEBREW UNIV JERUSALEN ISRAEL
TECHNICAL SUMMARY REPORT FOR THE PERIOD JUN 1 1958 - MAY 1960
BY FOA U G — DDC NR. 242581
GUTTMAN L — CONTRACT NR. AF 61<052>-121
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1009
IST NAZIONALE DI OTTICA ITALY
SOME COMPARISONS BETWEEN THE RECOVERY AFTER GREEN PRE-ADAPTATION AND THE RECOVERY AFTER BLUE-GREEN PRE-ADAPTATION
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XV 85-89 JAN-FEB 1960
BY VENTURI G — DDC NR. 242274
SALVI G — CONTRACT NR. AF 61<052>-80
TORALDO DI FRANCIA G — PROJ/TASK NR. 9777-37701

AFOSR TN 60-1010
IST NAZIONALE DI OTTICA ITALY
ON A POSSIBLE IMPROVEMENT OF CONTRAST PERCEPTION BY MEANS OF A SYSTEM WHICH CORRECTS THE CHROMATIC ABERRATION OF THE EYE
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XIV 619-626 NOV DEC 1959
BY RONCHI L — DDC NR. 242275
TORALDO DI FRANCIA G — CONTRACT NR. AF 61<052>-80
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1011
IST NAZIONALE DI OTTICA ITALY
SPEED OF READING AS A FUNCTION OF THE ORIENTATION OF THE TEST 2 SUPRATHRESHOLD CONDITIONS FOR SIZE AND ILLUMINATION
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XV 46-52 JAN-FEB 1960
BY RONCHI L — DDC NR. 242276
FERRARA NORI G — CONTRACT NR. AF 61<052>-80
TORALDO DI FRANCIA G — PROJ/TASK NR. 9777-37701

AFOSR TN 60-1012
IST NAZIONALE DE OTTICA ITALY
ENHANCED CONTRAST OF AN INDEFINITELY CONTOURED OBJECT BY MOVEMENT OR INTERMITTENT ILLUMINATION
ATTI DELLA FONDAZIONE GIORGIO RONCHI
ANNO XV 62-84 JAN-FEB 1960
BY BITTINI M — DDC NR. 242277
ERCOLES A M — CONTRACT NR. AF 61<052>-80
FIORENTINI A — PROJ/TASK NR. 9777-37701
RONCHI L
TORALDO DI FRANCIA G

AFOSR TN 60-1013
IST NAZIONALE DI OTTICA ITALY
GREEN AND BLUE ELECTRORETINOGRAMS AT LOW LUMINANCES
ATTI DELLA FONDAZIONE GIORGIO RONCHU ANNO
3-11 JAN-FEB 1960
BY BITTINI M — DDC NR. 242278
RONCHI L — CONTRACT NR. AF 61<052>-80
TORALDO DI FRANCIA G — PROJ/TASK NR. 9777-37701

AFOSR TN 60-1014
IST NAZIONALE DI OTTICA ITALY
A METHOD FOR INCREASING THE EFFECTIVENESS OF BRIEF SIGNALS BRIGHTER THAN THE BACKGROUND
ATTI DELLA FONDAZIONE GIORGIO RONCHI ANNO XIV 611-618 NOV-DEC 1959
BY BITTINI M — DDC NR. 242279
TORALDO DI FRANCIA G — CONTRACT NR. AF 61<052>-80
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1015
COMPAGNIE DE RECH ET D-ETUDES AERONAUTIQUES PARIS, FR
MAY 1960. CONTROL OF CIRCULATION AROUND A CIRCULAR CYLINDER
BY BROCARD J. — DDC NR. 242537
CONTRACT NR. AF 61<052>-333
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1016
OXFORD UNIV OF ENGLAND
RECOMBINATION OF OXYGEN ATOMS IN THE GAS PHASE DEC 1960
BY DICKENS, P. G. — DDC NR. 254360
GOULD, R. D. — CONTRACT NR. AF 61<514>-1117
LINNETT, J. W. — PROJ/TASK NR. 9751-37510
RICHMOND, A.

AFOSR TN 60-1017
OXFORD UNIV OF, ENGLAND
EMISSION SPECTRA OF FLAMES SUPPORTED BY ACTIVE NITROGEN
BY JENNINGS, K. R. — DDC NR. 254361
LINNETT, J. W. — CONTRACT NR. AF 61<514>-1117
PROJ/TASK NR. 9751-37510

AFOSR TN 60-1018
CALIFORNIA UNIV OF BERKELEY
THE LIGHT-INDUCED CIS-TRANS ISOMERIZATION OF NITROUS ACID FORMED BY PHOTOLYSIS OF HYDRAZOIC ACID AND OXYGEN IN SOLID NITROGEN
J CHEM PHYS 33 1008-1015 OCT 1960
BY RALDESCHWIFLER J D — DDC NR. 246358
PIMENTEL G — CONTRACT NR. AF 49<638>-1
PROJ/TASK NR. 9763-37630

AFOSR TN 60-1019
NORTH CAROLINA UNIV CHAPEL HILL
ON SOME METHODS OF CONSTRUCTION OF PARTIALLY BALANCED ARRAY
BY CHAKRAVARTI I M — DDC NR. 248656
BOSE, R.C.<P.I.> — CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1020
WISCONSIN UNIV OF MADISON
THE EFFECT OF SOLVENT ON SPECTRA V THE LOW INTENSITY
JACS 83 3142-3147 JUL 1961
BY KOSOWER E M — DDC NR. 243816
WU G — CONTRACT NR. AF 49<638>-282
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1021
WISCONSIN UNIV OF MADISON
EFFECT OF SOLVENT ON SPECTRA VI DETECTION OF THE SOLVENT EFFECT ON MOLECULAR CONFORMATION OR SHAPE THROUGH Z-VALUES
OCT 1960
BY KOSOWER E M — DDC NR. 244116
CONTRACT NR. AF 49<638>-282
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1022
RIAS INC BALTIMORE MD
CONDITIONS OFR THE STABILITY OF NONAUTONOMOUS DIFFERENTIAL EQUATIONS
J MATH ANAL & APPL 3 50-69 AUG 1961
BY HALE J K — DDC NR.
STOKES A P — CONTRACT NR. AF 49<638>-382
LEFSCHETZ S — PROJ/TASK NR. 9783-37726

AFOSR TN 60-1023
RENSSELAER POLYTECHNIC INST TROY NY
A STUDY OF SOME FLUID MIXING PROBLEMS AUG 1960
BY TOBA, K. — DDC NR. 243859
BRESLAU, M. — CONTRACT NR. AF 49<638>-23
YEN, K. T. — PROJ/TASK NR. 9781-37712

AFOSR TN 60-1024
ILLINOIS UNIV OF URBANA
TRANSFER FUNCTION SYNTHESIS BASED ON CASCADED RC AND RL NETWORKS SEP 1960
BY CALAHAN, D. A. — DDC NR. 244368
VAN VALKENBURG ME<PI — CONTRACT NR. AF 49<638>-63
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1025
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE THERMAL DECOMPOSITION AND HYDROGENATION OF DIBORON TETRACHLORIDE AND DIBORON TETRAFLUORIDE
BY BARR J — DDC NR. 241941
WARTIK T — CONTRACT NR. AF 49<638>-86
PROJ/TASK NR. 9762-37620

AFOSR TN 60-1026
CALIFORNIA UNIV OF BERKELEY
ON DIFFERENCE METHODS FOR THE SOLUTION OF PARTIAL DIFFERENTI EQUATIONS OF MIXED TYPE 3 PTS PT 1 BD SEP, PTS 2-3 BD TOGETHER OCT 1960
BY OGAWA H. — DDC NR. 245313
PROTTER M. H. <P.I.> — CONTRACT NR. AF 49<638>-398
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1027
BELL AIRCRAFT CORP BUFFALO, NY
A NEW APPROACH TO SAFE FLIGHT FLUTTER TESTING SEP 1960
BY ZISFEIN M. B. — DDC NR. 292018
D-EWART B. B. — CONTRACT NR. AF 49<638>-749
PROJ/TASK NR. 9782-37718

AFOSR TN 60-1028
KENTUCKY UNIV OF LEXINGTON
SOME SEMICONDUCTING PROPERTIES OF BISMUTH TRISULFHIDE AND BISMUTH TRIOXIDE JUL 1960
BY GILDART L — DDC NR. 243169
CONTRACT NR. AF 49<638>-90
PROJ/TASK NR. 9762-37621

AFOSR TN 60-1029
GEORGETOWN UNIV WASH D C
RECORDING OF BIOLECTRONIC SIGNALS FOR DIGITAL COMPUTER ANALYSIS OCT 1960
13 ANNUAL CONF ON ELECTRICAL TECHNIQUES IN MED & BIOL WASH D C
BY ZIMMER H — DDC NR. 243629
CONTRACT NR. AF 49<638>-487
PROJ/TASK NR. 9779-37732

AFOSR TN 60-1030
AF OFFICE OF SCIENTIFIC RESEARCH
PLASMA ACCELERATORS
PROF GROUP ON SPACE ELECTRONIC AND TELEMETRY IRE TRANS, FIFTH NATIONAL SYMP ON SPACE ELECTRONICS AND TELEMETRY 19 SEPT 1960 WASH., D.C.
BY SLAWSKY, M.M. — DDC NR. 243347
CONTRACT NR.
OJ/TASK NR.

AFOSR TN 60-1031
WASHINGTON UNIV OF SEATTLE
CRYSTAL STRUCTURE OF POTASSIUM SILYL
J PHYS CHEM 65 182 1961
BY SIPS R A — DDC NR. 260135
RITTER D M — CONTRACT NR. AF 18(600)-1541
PROJ/TASK NR. 9762-37620

AFOSR TN 60-1032
NORTH CAROLINA UNIV OF CHAPEL HILL
ON THE CHARACTERISTIC ROOTS OF POWER-POSITIVE
MATRICES OCT 1960
DUKE MATH J 28 439-446 SEP 1961
BY BRAUER A T — DDC NR. 256219
CONTRACT NR. AF 18(603)-38
PROJ/TASK NR. 9769-37650

AFOSR TN 60-1033
INDIANA UNIV BLOOMINGTON
ELECTRONIC COMMUTATION METHOD FOR DETERMING E OF
FORMATION OF FIXED HALIDES
J ELECTROCHEM SOC 108 1059-1063 NOV 1961
BY WILDE A F — DDC NR. 260113
SEIFERT R L — CONTRACT NR. AF 49(638)-313
PROJ/TASK NR. 9763-37630

AFOSR TN 60-1034
INDIANA UNIV BLOOMINGTON
COMPARISON OF THEORETICAL CALCULATIONS ON DIATOMIC
MOLECULES WITH EXPERIMENT
J CHEM PHYS 34 1760-1762 APR 1961
BY SHULL, H — DDC NR.
CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9780-37600

AFOSR TN 60-1035
RIAS INC BALTIMORE MD
REVERSIBLE TRANSFORMATIONS SEP 1960
BY LEWIS JR D C — DDC NR. 247231
LEFSCHETZ S — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-1036
NORTHWESTERN UNIV EVANSTON, ILL
FLUCTUATION THEORY FOR INTEGER-VALUED RANDOM VARIABLES
SEP 1960
BY DWASS, M. — DDC NR. 263196
CONTRACT NR. AF 49(638)-877
PROJ/TASK NR. 9752-37522

AFOSR TN 60-1038
JOHNS HOPKINS UNIV BALTIMORE, MD
DIRECT DETERMINATION OF LINE SHAPES OF ROTATIONAL SPECTRA
FROM INTERFEROMETRIC MEASUREMENTS
J OPT SOC AMER 50 1159-1162 DEC 1960
BY WILLIAMS, T. — DDC NR.
STRONG J<PI> — CONTRACT NR. AF 18(600)-1907
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1039
RIAS INC BALTIMORE MD
CLOSED METRIC FOLIATIONS SEP 1960
BY REINHART B L — DDC NR. 247232
LEFSCHETZ S — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-1041
HEBREW UNIV JERUSALEM ISRAEL
NUCLEAR RESONANCE ABSORPTION IN DY161 SITUATED IN DY203
AND DYSPROSIUM IRON GARNET
PHYS REV 120 606-608 OCT 1960
BY OFER S — DDC NR. 266381
AVIVI P — CONTRACT NR. AF 61(052)-347
BAUMINGER R — PROJ/TASK NR. 9761-37691
MARINOV A
COMEN, S ACP.I.>

AFOSR TN 60-1042
OXFORD UNIV OF ENGLAND
ELECTRO-MAGNETIC RADIATION IN ANISOTROPIC
MEDIA JUN 1960
BY KOGELNIK H — DDC NR. 266283
MOTZ, H <P.I.> — CONTRACT NR. AF 61(514)-1189
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1043
OXFORD UNIV OF ENGLAND
UNDULATOR EXPERIMENTS AND HARMONICS FROM A MICROWAVE GAS
DISCHARGE JUN 1960
BY MOTZ H — DDC NR. 266282
WALSH D — CONTRACT NR. AF 61(514)-1189
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1044
WISCONSIN UNIV OF MADISON
PHASE CONTROL OF ACTIVITY IN A ROOFRT
COLD SPRING HARBOR SYMP ON QUANTITATIVE BIOL
25 49-96 1960
BY DECOURSEY P J — DDC NR.
CONTRACT NR. AF 49(638)-691
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1045
WISCONSIN UNIV OF MADISON
EFFECT OF LIGHT ON THE CIRCADIAN ACTIVITY RHYTHM OF THE
FLYING SQUIRREL GLAUCOMYS VOLANS DEC 1960
ZEIT FUR VERGLEICHENDE PHYSIOL 44 331-354 1961
BY DECOURSEY P J — DDC NR.
CONTRACT NR. AF 49(638)-691
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1046
DUKE UNIV DURHAM NO CAR
A CLASS OF SOLUTIONS OF THE EQUATIONS OF
A CLASS OF SOLUTIONS OF THE EQUATIONS OF THERMOELASTIC
EQUILIBRIUM AUG 1960
BY SNEDDON I N — DDC NR. 263176
GERGEN J J — CONTRACT NR. AF 18(600)-1941
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1047
DUKE UNIV DURHAM NO CAR
BOUSSINESQ-S PROBLEM FOR A HEATED PUNCH I
GENERAL THEORY AUG 1960
BY GEORGE O L — DDC NR. 263165
SNEDDON I N — CONTRACT NR. AF 18(600)-1941
GERGEN, J J<P.I.> — PROJ/TASK NR. 9783-37727

AFOSR TN 60-1048
LUND UNIV OF SWEDEN
IN-VIVO UPTAKE OF DOPAMINE AND 5-HYDROXYTRYTAMINE BY
ADRENAL MEDULLARY GRANULES
EXPERIENTIA 16 418 1960
BY BERTLER A — DDC NR. 257965
ROSENGREN A M — CONTRACT NR. AF 61(052)-267
ROSENGREN E — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1050
LUND UNIV OF SWEDEN
STORAGE OF NEWFORMED CATECHOL AMINES IN THE ADRENAL MEDULLA
EXPERIENTIA 16/6419/1960
BY BERTLER A — DDC NR. 257966
HILLARP N A — CONTRACT NR. AF 61(052)-267
ROSENGREN E — PROJ/TASK NR. 9777-3700
CARLSSON A <P.I.>

AFOSR TN 60-1051
MARYLAND UNIV OF COLLEGE PARK
STRANGE PARTICLE DECAYS AND THE NATURE OF WEAK INTERACTIONS
SEP 1960
BY PATI, J. C. — DDC NR. 266330
BY TOLL J S<PI> — DDC NR. 266331
CONTRACT NR. AF 49(638)-26
PROJ/TASK NR. 9751-37512

AFOSR TN 60-1052
OHIO STATE UNIV COLUMBUS
THE BEHAVIOR OF PRISONERS IN A PRISONERS DILEMMA GAME
J PSYCHOLO 50 133-138 1960
BY SCODEL A — DDC NR. 265695
MINAS J S — CONTRACT NR. AF 49(638)-317
PROJ/TASK NR. 9778-37707

AFOSR TN 60-1053
OHIO STATE UNIV COLUMBUS
SOME DESCRIPTIVE ASPECTS OF TWO-PERSON NON-ZERO-SUM GAME II
CONFLICT RESOLUTION 4 193-197 JUN1960
BY MINAS J S — DDC NR.
SCODEL A — CONTRACT NR. AF 49(638)-317
MARLOWE D — PROJ/TASK NR. 9778-37707
RAWSON, H.

AFOSR TN 60-1054
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE INPERCEPTION II
THE EFFECT OF DRIVE PRODUCED BY PROPRIOCEPTIVE STIMULATION
ON GENERALIZED RESPONSES TO LOUDNESS AND PITCH JUL1960
BY MATLIN A M — DDC NR. 262399
ZAJONC R B <P.I.> — CONTRACT NR. AF 49(638)-367
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1055
CALIFORNIA UNIV OF BERKELEY
BIOL MECHANISMS OF AIR ION ACTION
II NEGATIVE AIR ION EFFECTS ON THE CONCENTRATION AND
METABOLISM OF 5-HYDROXYTRYPTAMINE IN THE
MAMMALIAN RESPIRATORY TRACK
44 269-276 NOV1960
BY KRUEGER A P — DDC NR. 269334
SMITH R F — CONTRACT NR. AF 49(638)-669
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1056
VETERANS ADMINISTRATION HOSPITAL BOSTON, MASS
COLORS OF ALL HUES FROM BINOCULAR MIXING OF TWO COLORS
SCI 131 608 FEB 1960
BY GESCHWIND N — DDC NR. 261932
SEGAL J R — CONTRACT NR. ISSA 60-1
PROJ/TASK NR. 9777-37703

AFOSR TN 60-1057
WASHINGTON STATE UNIV PULLMAN
STUDIES OF SHORT TERM RETENTION.. I. RECAL OF UNRELATED
ITEMS IN A SEQUENTIAL TASK, JUN1960
BY LLOYD K E — DDC NR. 267385
CONTRACT NR. AF 49(638)-809
PROJ/TASK NR. 9778-37706

AFOSR TN 60-1059
MARYLAND UNIV OF COLLEGE PARK
ON EXISTENCE, UNIQUENESS, AND NUMERICAL EVALUATION OF
SOLUTIONS OF ORDINARY AND HYPERBOLIC DIFFERENTIAL EQUATIONS
6TH CONF OF ARSENAL MATHEMATICIANS
OOR, DURF U.S. CAR, 1-2 JUN1960
BY DIAZ J B — DDC NR. 267860
WEINSTEIN A <P.I.> — CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1060
JOHNS HOPKINS UNIV BALTIMORE, MD.
ON EXISTENCE IN THE LARGE OF SOLUTIONS OF HYPERBOLIC
PARTIAL DIFFERENTIAL EQUATIONS JUL 1960
BY SHANAHAN, J. P. — DDC NR. 251606
HARTMAN P<PI> — CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1061
CALIFORNIA UNIV OF, BERKELEY
1960 LIE ALGEBRA COHOMOLOGY AND THE GENERALIZED BOREL-WEIL
THEOREM
BY KOSTANT B. — DDC NR. 266907
CONTRACT NR. AF 49(638)-79
PROJ/TASK NR. 9760-37650

AFOSR TN 60-1062
MICHIGAN UNIV OF ANN ARBOR
EXTENSION OF LOCAL AND MEDIAL PROPERTIES TO COMPACTIFICATIONS WITH AN APPLICATION TO CECH MANIFOLDS SEP 1960
BY WILDER, R. L. — DDC NR. 246626 — CONTRACT NR. AF 49(638)-104 — PROJ/TASK NR. 9783-37727
IN MEMORIAM TO EDUARD CECH — CONTRACT NR. AF 49(638)-774

AFOSR TN 60-1063
GENERAL ATOMIC, SAN DIEGO, CALIF
PROGRAM AND ABSTRACTS OF PAPERS FOR THE FIRST AF OFFICE OF SCIENTIFIC RESEARCH CONTRACTORS- MEETING ON CHEMICAL KINETICS OF PROPULSION SEPT 6-7 1960
BY FITE, W.L.<P.I.> — DDC NR. 246176 — CONTRACT NR. AF 49(638)-301 — PROJ/TASK NR. 9750-37501

AFOSR TN 60-1064
RIAS INC BALTIMORE MD
EXISTENCE OF A BOUNDED SOLUTION AND EXISTENCE OF A PERIODIC SOLUTION OF THE DIFFERENTIAL EQUATION OF THE SECOND ORDER SEPT1960
BY YOSHIZAWA T — DDC NR. 247233 — CONTRACT NR. AF 49(638)-382 — PROJ/TASK NR. 9783-37726
LEFSCHETZ S <P.I.> — PROJ/TASK NR.

AFOSR TN 60-1065
DE PAUL UNIV CHICAGO ILL
THE REACTION OF THIOPHOSGENE WITH AZIDE ION
J ORG CHEM 26 1644-1646 MAY1961
BY LIEBER E — DDC NR.
LAWYER, R. — CONTRACT NR. AF 49(638)-474
TRIPATHI J P — PROJ/TASK NR. 9760-37600

AFOSR TN 60-1066
CONNECTICUT UNIV OF, STORRS
ON THE INTERPOLATION OF LP FUNCTIONS BY JACKSON POLYNOMIALS
ILL J MATH 5 467-473 SEP 1961
BY GOSSELIN R. P. — DDC NR. 246606 — CONTRACT NR. AF 49(638)-608 — PROJ/TASK NR. 9783-37727

AFOSR TN 60-1067
MINNESOTA UNIV OF, MINNEAPOLIS
SUMS ARISING IN THE THEORY OF MARKOV CHAINS AUG 1960
PROC AMER MATH SOC 12 847-856 DEC 1961
BY OREY, S. — DDC NR. 249767 — CONTRACT NR. AF 49(638)-617 — PROJ/TASK NR. 9752-37922

AFOSR TN 60-1068
MARYLAND UNIV OF COLLEGE PARK
SELF-INDUCED VELOCITY ON A CURVED VORTEX PHYS OF FLUIDS 4 28 92 JAN 1961
BY NUTANT J. — DDC NR. 254783 — CONTRACT NR. AF 49(638)-645 — PROJ/TASK NR. 9781-37712
MAMA F. R. —

AFOSR TN 60-1069
MARYLAND UNIV OF COLLEGE PARK
ON THE ROLLING-UP OF A VORTEX SHEET SEPT 1960
BY MAMA F. R. — DDC NR. 249734 — CONTRACT NR. AF 49(638)-645 — PROJ/TASK NR. 9781-37712
BURKE E. R. —

AFOSR TN 60-1070
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
AN INVESTIGATION OF THE MACROSCOPIC EQUATION FOR A PLASMA MAY 1960
BY LI, H. — DDC NR. 249606 — CONTRACT NR. AF 49(638)-647 — PROJ/TASK NR. 9751-37910
MATHIEU, R. D. —

AFOSR TN 60-1071
MICHIGAN UNIV OF, ANN ARBOR, MICH
A CONVERSE OF A THEOREM OF R. H. BING AND ITS GENERALIZATION
FUND MATH 50 119-122 1961
BY WILDER, R. L. — DDC NR. 246627 — CONTRACT NR. AF 49(638)-774 — PROJ/TASK NR. 9783-37727

AFOSR TN 60-1072
COPENHAGEN UNIV OF DENMARK
CORRELATION OF ELECTROENCEPHALOGRAPHIC FINDINGS WITH CRASH RATE OF MILITARY JET PILOTS
EPILEPSIA 1 366-372 1960
BY LENNOX-BUCHTHAL M — DDC NR. 253776 — CONTRACT NR. AF 61(514)-1196 — PROJ/TASK NR. 9777-37700
BUCHTHAL F —
ROSENFALCK P —

AFOSR TN 60-1073
BIRMINGHAM UNIV ENGLAND
METHODS AND ANALYSIS OF DRUG-INDUCED BEHAVIOR IN ANAMILS
NEURO-PSYCHOPHARMACOLOGY PP.11-19
BY BRADLEY P B — DDC NR. — CONTRACT NR. AF 61(514)-1184 — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1074
KAROLINSKA INST STOCKHOLM SWEDEN
OLFACTORY BULB POTENTIALS INDUCED BY ELECTRICAL STIMULATION OF THE NASAL MUCOSA IN THE FROG
ACTA PHYSIOL SCAND 47 168-172 1959
BY OTTOSON D — DDC NR.
BERNHARD, C G<P.I.> — CONTRACT NR. AF 61(052)-21 — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1075
ON THE MECHANISMS OF DARK ADAPTATION IN DAY- AND NIGHT-INSECTS
BY BERNHARD C G — DDC NR.
OTTOSON D — CONTRACT NR. AF 61(052)-21
ENGSTROM A <P.I.> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1077
MILAN UNIV OF ITALY
RHENIUM COORDINATION COMPOUNDS SECTION II. NEW RHENIUM COORDINATION COMPOUNDS WITH LOW OXIDATION STATES SEPT1960
GAZZETTA CHIMICA ITALIANA
BY MALATESTA L — DDC NR. 252356 — CONTRACT NR. AF 61(052)-83 — PROJ/TASK NR. 9762-37620
FERRI M —
VALENTI V —

AFOSR TN 60-1078
MILAN UNIV OF ITALY
SUBSTITUTION REACTIONS OF POTASSIUM PENTAIODOCARBONYLIRIDIATE (III) WITH AMMONIAL AND ALIPHATIC AMINES SEPT1960
BY MALATESTA L — DDC NR. 252355 — CONTRACT NR. AF 61(052)-83 — PROJ/TASK NR. 9762-37620
NALDINI L —

AFOSR TN 60-1079
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF BE2P OCT1960
ACTA CHEM SCAND 15 962-968 1961
BY RUNDQVIST S — DDC NR. 252921 — CONTRACT NR. AF 61(052)-60 — PROJ/TASK NR. 9762-37621
HAGG G <P.I.> —

AFOSR TN 60-1080
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF NI3S12 WITH SOME NOTES ON NI5S12 OCT1960
ACTA CHEM SCAND 15 893-902 1961
BY PILSTROM G — DDC NR. 252922 — CONTRACT NR. AF 61(052)-60 — PROJ/TASK NR. 9762-37621
HAGG G <P.I.> —

AFOSR TN 60-1081
CAMBRIDGE UNIV OF ENGLAND
JUN 1960 LOW ENERGY PION SCATTERING
BY HAMILTON, J. — DDC NR. 246245 — CONTRACT NR. AF 61(052)-233 — PROJ/TASK NR. 9750-37500
SPEARMAN, T. D. —

AFOSR TN 60-1082
CAMBRIDGE UNIV OF ENGLAND
JUN 1960 COMPLEX SINGULARITIES OF PARTIAL-WAVE AMPLITUDES IN PERTURBATION THEORY
PHYS REV 120 1506-1507 15 NOV 60
BY TAYLOR, J. G. — DDC NR. 246246 — CONTRACT NR. AF 61(052)-233 — PROJ/TASK NR. 9750-37500
BARBURTON, A. F. A. —
HAMILTON, J. <P.I.> —

AFOSR TN 60-1083
CAMBRIDGE UNIV OF ENGLAND
JUL 1960 SOME SINGULARITIES OF SCATTERING AMPLITUDES ON UNPHYSICAL SHEETS
BY GUNSON, J. — DDC NR. 246458 — CONTRACT NR. AF 61(052)233 — PROJ/TASK NR. 9750-37500
TAYLOR, J. G. —
HAMILTON, J. <P.I.> —

AFOSR TN 60-1084
CAMBRIDGE UNIV, ENGLAND
JUL 1960 UNITARITY AND THE MANDELSTAM REPRESENTATION
BY LANDSHOFF, P. V. — DDC NR. 246246 — CONTRACT NR. AF 61(052)-233 — PROJ/TASK NR. 9750-37500
HAMILTON, J. <P.I.> —

AFOSR TN 60-1085
STOCKHOLM UNIV OF SWEDEN
SIMPLE METHOD FOR FITTING PSYCHOPHYSICAL POWER FUNCTIONS MAY1960
J PSYCH 51 343-350 1961
BY EKMAN G — DDC NR. 246876 — CONTRACT NR. AF 61(052)-300 — PROJ/TASK NR. 9778-37708

AFOSR TN 60-1086
TRIESTE UNIV OF ITALY
ON THE TOTAL SPECIFIC IONIZATION JUL1960
BY RUDINI P — DDC NR. 246687 — CONTRACT NR. AF 61(052)-211 — PROJ/TASK NR. 9760-37650
TAFFARA L —
VIOLA C —

AFOSR TN 60-1087
UNIV OF SOUTHERN CALIFORNIA LOS ANGELES
K-BAND MICROWAVE INTERFEROMETER DESCRIPTION AND INITIAL EXPERIMENTS IN A PILOT-MODEL OF THE U.S.C. LOW-DENSITY WIND TUNNEL AUG 1960
BY PASS, H. R. — DDC NR. 246125 — CONTRACT NR. AF 18(603)-95 — PROJ/TASK NR. 9783-37729
CHUAN R L<P.I.> —

AFOSR TN 60-1089
MARYLAND UNIV OF COLLEGE PARK
A NEW REDUCTION TECHNIQUE IN QUANTUM FIELD THEORY AUG 1960
INTERNAT CONF HIGH ENERGY PHYSICS ROCHESTER 1960 259-269
BY TOLL, J. S. — DDC NR. 249376 — CONTRACT NR. AF 49(638)-24 — PROJ/TASK NR. 9751-37912

AFOSR TN 60-1090
ILLINOIS UNIV OF URBANA
SYNTHESIS OF RC LADDER NETWORKS WITH SPECIFIED DRIVING-POINT AND TRANSFER FUNCTIONS SEP 1960
BY YOUNG J. R. — DDC NR. 246369 — CONTRACT NR. AF 49(638)-69 — PROJ/TASK NR. 9760-37650
VAN VALKENBURG M E < — CONTRACT NR.

AFOSR TN 60-1091
COLORADO UNIV OF, BOULDER
CONVERGENCE REGIONS FOR CONTINUED FRACTIONS AND CERTAIN OTHER INFINITE PROCESSES
BY THRON W. J. — DDC NR. 249470 — CONTRACT NR. AF 49(638)-100 — PROJ/TASK NR. 9783-37727

AFOSR TN 60-1092
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
INTEGRAL REPRESENTATIONS OF AXIALLY SYMMETRIC POTENTIAL FUNCTIONS SEP 1960
BY MACCAMY R. C. — DDC NR. —
NEHARI Z. <P.I.> — CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1094
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE COMPRESSIBLE TURBULENT BOUNDARY LAYER WITH SURFACE MASS TRANSFER AUG 1960
BY CULICK F. E. C. — DDC NR. 267914
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1095
SYRACUSE UNIV NY
ITERATIONS WITH ERRORS AUG 1960
BY FRANK, P. — DDC NR. 269277
CHUNG K L<PI> — CONTRACT NR. AF 49(638)-269
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1096
SYRACUSE UNIV NY
ON THE MEASURABILITY OF FUNCTIONS IN TWO VARIABLES AUG 60
BY MAHOWALD, M. — DDC NR. 269278
CHUNG K L<PI> — CONTRACT NR. AF 49(638)-269
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1097
STANFORD UNIV CALIF
EXPONENTIAL POLYNOMIALS ON COMMUTATIVE SEMIGROUPS NOV 1960
BY STORE, J. J. — DDC NR. 268780
DE LEEUW K<PI> — CONTRACT NR. AF 49(638)-296
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1098
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
AN EXPERIMENTAL TEST OF FRANKELS LAW OF FILM THICKNESS
COLL SCI 17 136-149 FEB1962
BY MYSELS K J — DDC NR. —
COE W C — CONTRACT NR. AF 49(638)-309
PROJ/TASK NR. 9761-37610

AFOSR TN 60-1099
NORTHWESTERN UNIV EVANSTON ILL
CHLOROAMMINERHODIUM <III> SALTS
BY BASOLO F — DDC NR. —
ANDERSON, S N<P.I.> — CONTRACT NR. AF 49(638)-315
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1100
CORNELL UNIV ITHACA NY
THEORY OF LINEARIZED TIME-DEPENDENT BOUNDARY LAYERS JUL 1960
BY LAM S. H. — DDC NR. 266919
ROTT N. — CONTRACT NR. AF 49(638)-544
SEARS W. R. <P.I.> — PROJ/TASK NR. 9781-37712

AFOSR TN 60-1101
WESTERN RESERVE UNIV CLEVELAND O
VASOPRESSIN IN BLOOD EFFECT OF HEMORRHAGE
ENDOCRINOLOGY 66 712-718 MAY1960
BY WEINSTEIN H — DDC NR. 266499
BERN R M — CONTRACT NR. AF 49(638)-764
SACHS H — PROJ/TASK NR. 9777-37701

AFOSR TN 60-1103
NEW YORK UNIV NY
ON ELECTROMAGNETIC EIGENFUNCTIONS IN CLOSED CAVITIES AUG 1960
BY NIEMEYER, H. — DDC NR. 269939
KLINE M<PI> — CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1105
WISCONSIN UNIV OF MADISON
THE INDUCED SYNTHESIS OF PROTEINS 1960
ADV IN ENZYMOLOGY AND RELATED SUBJECTS OF BIOCHEM VOL XXII, 99-156
BY HALVORSON H O — DDC NR. —
CONTRACT NR. AF 49(638)-314
PROJ/TASK NR. 9777-37707

AFOSR TN 60-1106
OSLO UNIV OF NORWAY
EFFECTS OF CHLORPROMAZINE ON THE COMMISSURAL POTENTIAL OF THE FIELD CAL OF THE HIPPOCAMPUS
ACTA PHARMACOLET TOXICOL 16 357-369 1960
BY SETEKLEIV J — DDC NR. 269230
ANDERSEN P — CONTRACT NR. AF 61<516>-1127
BRULAND H — PROJ/TASK NR. 9777-37700
KAADA B R <P.I.>

AFOSR TN 60-1107
OSLO UNIV OF NORWAY
EFFECTS OF CHLORPROMAZINE ON THE ATTENTION <ORIENTING> FLIGHT AND ANGER RESPONSES ELICITED BY CEREBRAL STIMULATION
ACTA PHYSIOLSCAND 50 81-82 1960
BY KAADA B R — DDC NR. 269231
BRULAND H — CONTRACT NR. AF 61<516>-1127
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1108
OSLO UNIV OF NORWAY
BLOCKING OF THE CORTICALLY INDUCED BEHAVIOR ATTENTION <ORIENTING> RESPONSE BY CHLORPROMAZINE
PSYCHOPHARMACOLOGIA 1 372-380 1960
BY KAADA B R — DDC NR. 269232
BRULAND H — CONTRACT NR. AF 61<516>-1127
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1109
OSLO UNIV OF NORWAY
INCREASE OF PLASMA 17-OH-STEROIDS BY CEREBRAL CORTICAL AND AMYGDALOID STIMULATION IN CATS
J ENDOCRIN 22 119-127 1961
BY SETEKLEIV J — DDC NR. 269233
SRAUG O — CONTRACT NR. AF 61<514>-1127
KAADA B R — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1110
OSLO UNIV OF NORWAY
LOCAL CORTICAL RESPONSE OF THE RABBIT HIPPOCAMPUS
ACTA PHYSIOLSCAND 50 10-11 1960
BY ANDERSEN P — DDC NR. 269234
JANSEN JR J — CONTRACT NR. AF 61<516>-1127
KAADA B R <P.I.> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1111
OSLO UNIV OF NORWAY
EFFECTS OF HIPPOCAMPAL LESIONS ON MAZE LEARNING AND RETENTION IN RATS
EXP NEUROLS 3 333-359 APR1961
BYADA B R — DDC NR. 269235
RASMUSSEN W R — CONTRACT NR. AF 61<516>-1127
EVEIN O — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1112
OSLO UNIV OF NORWAY
EFFECTS OF NEOCORTICAL AND LIMBIC LESIONS ON THE SEX DRIVE IN RATS
ACTA PHYSIOL SCAND 50 126-127 1960
BY RASMUSSEN W E — DDC NR. 269236
KAADA B R — CONTRACT NR. AF 61<516>-1127
BRULAND H — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1113
OSLO UNIV OF NORWAY
ACTIVATION OF THE DENTATE AREA BY SEPTAL STIMULATION
ACTA PHYSIOL SCAND 51 17-28 1961
BY ANDERSEN P — DDC NR. 269237
BRULAND H — CONTRACT NR. AF 61<516>-1127
KAADA B R — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1114
OSLO UNIV OF NORWAY
ACTIVATION OF THE FIELD CAL OF THE HIPPOCAMPUS BY SEPTAL STIMULATION
ACTA PHYSIOL SCAND 51 29-40 1961
BY ANDERSEN P — DDC NR. 269238
KAADA B R — CONTRACT NR. AF 61<516>-1127
BRULAND H — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1115
OSLO UNIV OF NORWAY
THE LOCAL CORTICAL RESPONSE IN THE HIPPOCAMPUS OF RABBIT
ARCHITAL BIOL 99 349-368 1961
BY ANDERSEN P — DDC NR. 269239
JANSEN JR J — CONTRACT NR. AF 61<516>-1127
KAADA B R <P.I.> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1116
ILLINOIS UNIV OF URBANA
PIPE DIFFUSION IN LITHIUMFLOURIDE
BY LASKAR A L — DDC NR. 256027
TUCKER R — CONTRACT NR. AF 49(638)-420
THOMSON R — PROJ/TASK NR. 9760-37601
REASE TA <P.I.>

AFOSR TN 60-1117
ILLINOIS UNIV OF URBANA
LOW TEMPERATURE PHOTOCONDUCTIVITY OF ADDITIVELY COLORED KCL AUG1960
PHYS REV 121 1296-1302 MAR1961
BY WILD R L — DDC NR. 269940
BROWN F C — CONTRACT NR. AF 49(638)-579
INCHAUSPE N — PROJ/TASK NR. 9760-37601

AFOSR TN 60-1118
MASSACHUSSETTS GENERAL HOSPITAL BOSTON
APPLICATION OF AUTOCORRELATION ANALYSIS TO ELECTROENCEPHALOGRAPHY 1959
PROC 1ST NAT BIOPHYS CONF 622-626
BY BARLOW J S — DDC NR. 239001
BNAZIER M A B — CONTRACT NR. AF 49(638)-98
ROSENBLITH W A — PROJ/TASK NR. 9777-37701

AFOSR TN 60-1119
ARMOUR RSCH FOUND CHICAGO ILL
PRESSURE EFFECTS IN LUMINESCENCE III
CLASSICAL ESTIMATES SEP1960
BY BRIPPEL L — DDC NR. 269196
CONTRACT NR. AF 49(638)-111
PROJ/TASK NR. 9783-37611

AFOSR TN 60-1120
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF PDSR2,<CRNSC2>AND PDSR NOV1960
BY STENBERG F — DDC NR. 252923
HAGG G <P.I.> — CONTRACT NR. AF 61<052>-40
PROJ/TASK NR. 9762-37621

AFOSR TN 60-1121
NORTHWESTERN UNIV EVANSTON ILL
ON THE INTERNAL FRICTION OF COLD WORKED AND QUENCHED MARTENSITIC IRON AND STEEL SEP1960
BY MURA T — DDC NR. 269089
TAMURA I — CONTRACT NR. AF 18(600)-1498
BRITTAIN J O — PROJ/TASK NR. 9761-37611

AFOSR TN 60-1122
SYRACUSE UNIV NY
A<COMBINED PARAMAGNETIC RESONANCE - INFRARED RADIATION STUDIES IN SILICON
B>SMALL IN IMPURITY TRAPS AND ELECTRON TRANSFER DYNAMICS IN N-TYPE SILICON AT LIQUID HELIUM TEMPERATURES
B-PHYS REV L184 A 93-9A AUG 1960
A-QUANTUM ELECTRONICS A SYMP C H TOWNSEN COLUMBIA UNIV PRFS 1960 [illegible]
BY HONIG A — DDC NR. 269878
LEVITT R — CONTRACT NR. AF 18(603)-50
PROJ/TASK NR. 9762-37621

AFOSR TN 60-1123
BIAS INC BALTIMORE MD
ALGORITHMS FOR JORDAN CURVES ON COMPACT SURFACES NOV1960
BY REINHART B L — DDC NR. 269305
LEFSCHETZ, S L<P.I.> — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-1124
MARYLAND UNIV OF COLLEGE PARK
ON THE VIBRATION SPECTRUM OF A DISORDERED LINEAR LATTICE I OCT1960
BY MAMARTY J DDC NR. 246692
TERRELL R A <P.I.> CONTRACT NR. AF 49(638)-399
MEYERS R D <P.I.> PROJ/TASK NR. 9769-37691

AFOSR TN 60-1125
HEBREW UNIV JRUSALEM ISRAEL
CONVERGENCES IN THE ANALYSIS OF THE STRUCTURE OF INTERPERSONAL BEHAVIOR WILL SUBMIT REQUINTS TO EOARDC PSYCHOL REV 68 341-353 SEP1961
BY FOA U G DDC NR.
GUTTMAN, L<P.I.> CONTRACT NR. AF 61(052)-121
PROJ/TASK NR. 9778-37707

AFOSR TN 60-1126
WESTERN RESERVE UNIV CLEVELAND O
SPINAL CORD AND ADRENOCORTICOTROPIN RELEASE
PROC SOC EXPER BIOL & MED 105 528-531 1960
BY REDGATE E S DDC NR. 246097
SAYERS G <P.I.> CONTRACT NR. AF 49(638)-663
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1127
PENNSYLVANIA UNIV OF PHILADELPHIA
THE EFFECT OF LACTATION ON PLASMA LH 1960
ENDOCRINOLOGY 68 873-876 MAY1961
BY MCCANN S M DDC NR. 260192
GRAVES T CONTRACT NR. AF 49(638)-685
TALEISNIK S PROJ/TASK NR. 9777-37701

AFOSR TN 60-1128
HARVARD UNIV CAMBRIDGE MASS
HYPOTHALAMIC SECRETORY FACTOR FOR ADRENOCORTICOTROPIC HORMONE <SF-ACTH> SEP1960
BY MUNSON P L DDC NR. 263579
CONTRACT NR. AF 49(638)-760
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1129
MARYLAND UNIV OF COLLEGE PARK
A NEW DECOMPOSITION FORMULA IN THE THEORY OF ELASTICITY SEP1960
BY BRAMBLE J H DDC NR. 246833
PAYNE L E CONTRACT NR. AF 49(638)-228
IVEINSTEIN A <P.I.> PROJ/TASK NR. 9783-37727

AFOSR TN 60-1130
INST FOR ADVANCED STUDY, PRINCETON, NJ
PROPERTIES OF SOLUTIONS OF DIFFERENTIAL INEQUALITIES AUG 1960
BY LEES, M. DDC NR. 246398
MORSE M<PI> CONTRACT NR. AF 49(638)-249
BEURLING A<PI> PROJ/TASK NR. 9783-37727

AFOSR TN 60-1131
INDIANA UNIV BLOOMINGTON
ELECTRONIC STRUCTURE OF THE GROUND STATE OF THE LITHIUM HYDRIDE MOLECULE SEP1960
BY EBBING D D DDC NR. 269986
CONTRACT NR. AF 49(638)-918
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1132
ILLINOIS UNIV OF URBANA
SOME DETERMINANTS OF TWO-DIMENSIONAL VISUAL TRACKING BEHAVIOR
J. PER PSYCHOL 60 391-403 DEC1960
BY ADAMS J A DDC NR. 259460
RHIGNESSE L V CONTRACT NR. AF 49(638)-371
PROJ/TASK NR. 9778-37706

AFOSR TN 60-1133
STANFORD UNIV CALIF
NEUTRON-PROTON PAIRING INTERACTION AUG 1960
BY SARENA, A. N. DDC NR. 246636
SCHIFF L I<PI> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1134
STANFORD UNIV CALIF
PION PARAMETERS FROM HIGH ENERGY INELASTIC INTERACTIONS
PHYS REV LTRS 5 362-364 OCT1960
BY DRELL S D DDC NR. 246633
SCHIFF, L I<P.I.> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1135
STANFORD UNIV CALIF
PSEUDO-CLUSTER EXPANSION II APPLICATION TO SINGLE-PARTICLE NUCLEAR MATRIX ELEMENT AUG 1960
BY FUJITA J I DDC NR. 246636
SCHIFF L I<P.I.> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1136
STANFORD UNIV, CALIF
PRODUCTION OF PARTICLE BEAMS AT VERY HIGH ENERGIES
PHYS REV LTRS 5 278-281 SEP1960
BY DRELL S D DDC NR. 246635
SCHIFF, L I<P.I.> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1137
STANFORD UNIV CALIF
SPECTRA OF ODD-ODD NUCLEI AUG1960
BY DESHALIT A DDC NR. 246632
WALECKA J D CONTRACT NR. AF 49(638)-388
SCHIFF, L I<P.I.> PROJ/TASK NR. 9750-37500

AFOSR TN 60-1138
HARVARD UNIV, CAMBRIDGE, MASS
ON THE CIRCLES OF CURVATURE OF THE CURVES OF STEEPEST DESCENT OF GREEN-S FUNCTION OCT 1960
BY WALSH, J. L. DDC NR. 246347
CONTRACT NR. AF 49(638)-576
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1139
TEXAS UNIV OF AUSTIN
DEFENSIVENESS AND SELF-ACCEPTANCE IN THE MANAGEMENT OF HOSTILITY
ABNORM SOC PSYCH 63 319-329 SEP1961
BY VELDMAN D J DDC NR.
WORCHEL P CONTRACT NR. AF 49(638)-660
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1141
TECHNISCHE HOCHSCHULE MUNICH, GERM
JUL 1960 NUMERICAL INVESTIGATIONS ON THE SOLUTION OF THE NON-LINEAR EQUATION OF SUPERSONIC FLOW BY FINITE DIFFERENCE METHODS PART II
BY SEEGMULLER, G. DDC NR. 246665
SAUER, R. <P.I.> CONTRACT NR. AF 61(052)-377
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1142
WEIZMANN INST OF SCI REHOVOTH ISRAEL
COLLECTIVE MOTION IN MANY-PARTICLE SYSTEMS JUL1960
BY LIPKIN H J DDC NR. 246308
DE SHALIT A <P.I.> CONTRACT NR. AF 61(052)-337
LIPKIN H J <P.I.> PROJ/TASK NR. 9750-37500

AFOSR TN 60-1143
INST ELETTROTECNICO NAZIONALE GALILEO FERRARIS IVRINO ITALY
REMARKS ABOUT THE INTERPRETATION OF THERMOLUMINESCENCE 1960
BY BONFIGLIOLI G DDC NR. 246399
BROVETTO P CONTRACT NR. AF 61(052)-328
CORIESE C PROJ/TASK NR. 9700-37601

AFOSR TN 60-1145
CALIFORNIA UNIV OF BERKELEY
ON THE SUMMATION OF AND ITS ASSOCIATED INTEGRALS SEP 60
J FRANKLIN INST 271 79-93 FEB 1961
BY JURY, E. I. DDC NR. 246763
PAI, M. A. CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1146
NORTHEASTERN UNIV BOSTON, MASS
NORMAL MODE TREATMENT OF PINCH INSTABILITIES MAY 1960
BY SULLIVAN J J. DDC NR. 250065
LANZA G <P'> CONTRACT NR. AF 49(638)-555
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1147
NORTHEASTERN UNIV BOSTON, MASS
MAGNETOHYDRODYNAMIC SHOCK WAVES MAY 1960
BY DAVIS J DDC NR. 262663
LANZA G<PI> CONTRACT NR. AF 49(638)-555
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1148
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ANATOMY AND PHYSIOLOGY OF VISION IN THE FROG <RANA PIPIENS>
J GEN PHYSIOL 43 129-175 JULY1960
BY MATRUANA H R DDC NR. 260121
LETTVIN J Y CONTRACT NR. AF 49(638)-726
MCCULLOCH W S PROJ/TASK NR. 9777-37703
PITTS W H

AFOSR TN 60-1149
BAYLOR UNIV HOUSTON TEX
AUTOMATIC SCANNING OF PAPER STRIP CHROMATOGRAMS OF 1131-LABELED COMPOUNDS 1960
CAN J BIOCHEM PHYSIOL 39 629-632 1961
BY SOMINDLER W J DDC NR. 260908
FORTIER C CONTRACT NR. AF 49(638)-384
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1150
PRINCETON UNIV, N J
CHEMICAL KINETICS AND COMBUSTION SEP 1960
8TH INTERNAT SYMP ON COMBUSTION SEP 60
BY BOUDART M DDC NR. 2466600
CONTRACT NR. AF 49(638)-92
PROJ/TASK NR. 9751-37510

AFOSR TN 60-1151
PRINCETON UNIV, N J
STAGNATION OF COMPRESSIBLE AND RELAXING GAS AT A PITOT TUBE ,0 THEORETICAL AND EXPERIMENTAL STUDY
BY LI S C. DDC NR. 246601
BOUDART M<PI> CONTRACT NR. AF 49(638)-92
PROJ/TASK NR. 9751-37510

AFOSR TN 60-1153
GEORGIA UNIV OF ATHENS
TECHNOLOGICAL CHANGE AND THE ORGANIZATION MAN, PRELIMINARY CONCEPTUALIZATION OF A RESEARCH PROJECT AUG1960
SOCIAL INQUIRY 32 117-127 1962
BY ROWERS R V DDC NR.
BROWN R G CONTRACT NR. AF 49(638)-804
BRYANT C D PROJ/TASK NR. 9778-37708

AFOSR TN 60-1154
MASSACHUSETTS GENERAL HOSPITAL BOSTON
A SMALL ELECTRONIC ANALOGUE AVERAGER AND VARIANCE COMPUTER FOR EVOKED POTENTIALS OF THE BRAIN
MEDICAL ELECTRONICS, PROCEEDINGS OF THE SECOND INTERNATIONAL CONFERENCE ON MEDICAL ELECTRONICS PARIS 26-27 JUNE1959 PP119-119
BY BARLOW, J S DDC NR. 260836
BRAZIER, M A B<P.I.> CONTRACT NR. AF 49(638)-98
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1155
FLORIDA STATE UNIV TALLAHASSEE
ENERGY LEVELS OF MES AND LI9
PHYS REV 120,2226-234,0 OCT 1960
BY PEARLSTEIN, L. D. DDC NR.
YANG, Y. C. CONTRACT NR. AF 49(638)-627
WILDERMUTH K. PROJ/TASK NR. 9750-37500
TEMMER G W<PI>

AFOSR TN 60-1156
FLORIDA STATE UNIV TALLAHASSEE
NUCLEAR BAND STRUCTURE IN SCAL
PHYS REV. 119,01679-1680,0 SEP 1959
BY DAVIS R. H. DDC NR.
TEMMER G <PI> CONTRACT NR. AF 49(638)-627
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1158
FLORIDA STATE UNIV TALLAHASSEE
GRAZING COLLISIONS OF COMPLEX NUCLEI
PHYS REV. LTRS., 4 421-422 MAY 1960
BY DAVIS, R. H. DDC NR.
TEMMER G <PI> CONTRACT NR. AF 49(638)-627
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1159
CHICAGO UNIV OF ILL
THE COSMIC RAY ALPHA PARTICLE FLUX DURING SHARP FORBUSH
INTENSITY DECREASES AUG 1960
BY MEYER, P. DDC NR.
SIMPSON J <PI> CONTRACT NR. AF 18(600)-646
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1160
COLUMBIA UNIV NY
ELECTROMAGNETIC FORM FACTORS OF THE NUCLEON
PHYS REV 119 1105-1114 AUG 1960
BY ERNST, F. J. DDC NR.
SACHS, R. G. CONTRACT NR. AF 49(638)-689
WALI, K. C. PROJ/TASK NR. 9750-37500

AFOSR TN 60-1162
RENSSELAER POLYTECHNIC INST TROY NY
ON THE MAGNETOHYDRODYNAMIC BOUNDARY LAYER THEORY SEP 1960
BY YEH, G. T. DDC NR. 246623
CONTRACT NR. AF 49(638)-23
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1163
STANFORD UNIV CALIF
SIMPLE METHODS FOR CLASSIFICATIONAND CONSTRUCTION OF
SIMILARITY SOLUTIONS OF PARTIAL DIFFERENTIAL EQUATIONS OCT
1960
BY ABBOTT, D. E. DDC NR. 251819
KLINE, S. J. CONTRACT NR. AF 49(638)-201
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1164
NORTH AMERICAN AVIATION, INC, DOWNEY, CALIF
EFFECT OF ROUGHNESS ON TRANSITION IN SUPERSONIC FLOW
MAR 1960
AGARD REPORT SERIES #295 DELIVERED AT LONDON AGARD
CONFERENCE LONDON, ENG, APR 1960
BY VAN DRIEST, E. R. DDC NR. 249996
BLUMER, C. B. CONTRACT NR. AF 49(638)-290
PROJ/TASK NR. 1790-17500

AFOSR TN 60-1165
POLYTECHNIC INST OF BROOKLYN NY
ON THE DYNAMICS OF PLASTIC SPHERICAL SHELLS SEPT 1960
BY SANKARANARAYANAN, S. DDC NR. 246969
KEMPNER, J. <P.I.> CONTRACT NR. AF 49(638)-302
PROJ/TASK NR. 9782-37717

AFOSR TN 60-1166
PENNSYLVANIA STATE UNIV UNIVERISTY PARK
TRANSIENT THERMAL STRESES IN A THIN DISE AUG 1960
BY JAUNZEMIS W DDC NR. 259931
CONTRACT NR. AF 49(638)-709
PROJ/TASK NR. 9782-37710

AFOSR TN 60-1167
PENNSYLVANIA STATE UNIVERSITY PARK
THERMAL STRESSES PRODUCED IN A DISE BY A ROTATING HEAT
MAY 1961
BY VAVOURAS, G. T. DDC NR. 259932
JAUNZEMIS, W. CONTRACT NR. AF 49(638)-709
PROJ/TASK NR. 9782-37710

AFOSR TN 60-1169
CALIFORNIA INST OF TECHNOLOGY PASADENA
RADIATION FROM AN ELECTRIC DIPOLE IN AN ANISOTROPIC COLD
PLASMA OCT 1960
BY KUEHL H. H. DDC NR. 246696
PAPAS C <PI> CONTRACT NR. AF 18(600)-1113
PROJ/TASK NR. 9760-37650

AFOSR TN 60-1170
PURDUE UNIV LAFAYETTE IND
NEUTRAL LEPTON CURRENTS AND NEUTRINO DETECTION
PHYS REV 121 1201 FEB1961
BY KIMEL R W DDC NR. 259889
CONTRACT NR. AF 18(600)-1979
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1171
CALIFORNIA UNIV OF BERKELEY
NOISE IN BACKWARD-WAVE AMPLIFIERS JUL 1960
BY JOBY, M. DDC NR. 267959
SHIMABEY JR<PI> CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1173
MICHIGAN STATE UNIV EAST LANSING
METHOD FOR THE DETERMINATION OF PLASTIC CONSTANTS OF
TRIGONAL CRYSTAL SYSTEMS
ACTA CRYSTAL 14 725-726 1961
BY MAYER W G DDC NR. 261869
PARKER P M CONTRACT NR. AF 49(638)-894
PROJ/TASK NR. 9751-37911

AFOSR TN 60-1179
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
WHAT THE FROGS EYE TELLS THE FROGS BRAIN
PROC IRE 47 NOV1959
BY LETTVIN J Y DDC NR.
MCCULLOCH W S CONTRACT NR. AF 49(638)-726
PITTS W H PROJ/TASK NR. 9777-37703
MATURANA H R <P.I.>

AFOSR TN 60-1176
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE MEASUREMENT OF FILM PLASTICITY
J PHYS CHEM 65 1107-1111 1961
BY MYSELS K J DDC NR. 266081
COE M C CONTRACT NR. AF 49(638)-309
SEEWIS J PROJ/TASK NR. 9761-37610

AFOSR TN 60-1177
POLYTECHNIC INST OF BROOKLYN NY
QUANTITATIVE DETERMINATION OF NICKEL BY TITRATION WITH
DIMETHYL GLYOXIME REAGENT
BY GARIB, V. L. DDC NR.
STAGER, L. M. CONTRACT NR. AF 18(600)-1405
WEBER F<PI> PROJ/TASK NR. 4751
MARCUVITZ N<PI>
TRUBAL J G<PI>

AFOSR TN 60-1178
DUKE UNIV DURHAM NO CAR
PSYCHOPHYSIOLOGICAL MECHANISMS OF STRESS RESPONSIVITY
SECOND ANNUAL REPORT APRIL 1959 - APRIL 1960
BY COHEN S I DDC NR.
SILVERMAN A J CONTRACT NR. AF 49(638)-354
SHMAVONIAN B M PROJ/TASK NR. 9778-37709

AFOSR TN 60-1179
HEBREW UNIV, JERUSALEM, ISRAEL
JUN 1960 THE ANGULAR DISTRIBUTION OF EIGENVALUES OF NON
SELF-ADJOINT ELLIPTIC BOUNDARY VALUE PROBLEMS OF HIGHER
ORDER
BY AGMON, S. DDC NR. 246382
CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1180
HEBREW UNIV, JERUSALEM, ISRAEL
JUN 1960 LOCAL DIFFERENTIAL ALGEBRA - THE ANALYTIC CASE
BY MALFIN, S. DDC NR. 246383
ROBINSON, A. CONTRACT NR. AF 61(052)-187
AGMON, S <P.I.> PROJ/TASK NR. 9783-37727

AFOSR TN 60-1181
HEBREW UNIV JERUSALEM, ISRAEL
AUG 1960 THE PRODUCT OF SUMMABILITY METHODS., NEW CLASSES
OF TRANSFORMATIONS AND THEIR PROPERTIES, PART 3
BY JAKIMOWSKI, A. DDC NR. 246384
AGMON S<PI> CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1182
HEBREW UNIV, JERUSALEM, ISRAEL
AUG 1960 SOME RESULTS ON CONVEX BODIES AND BANACH SPACES
BY DVORETZKY, A. DDC NR. 246385
AGMON, S.<P.I.> CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1183
GENERAL ELECTRIC CO PHILADELPHIA PA
EFFECTS OF END CURRENT LOOPS ON THE VELOCITY PROFILE IN A
MAGNETOHYDRODYNAMIC CHANNEL OCT 1960
BY CARLSON, A. W. DDC NR. 246631
SUTTON, G. W. CONTRACT NR. AF 49(638)-914
PROJ/TASK NR. 9750-37501

AFOSR TN 60-1184
COLORADO UNIV BOULDER
INTERRUPTION OF NUCLEAR SPIN DIFFUSION OCT 1960
BY JENNINGS D A DDC NR. 246515
TANTTILA W H CONTRACT NR. AF 49(638)-611
PROJ/TASK NR. 9761-37611

AFOSR TN 60-1185
STANFORD RSCH INST MENLO PARK CALIF
SOME PROPERTIES AND APPLICATIONS OF SHOCK WAVES OCT 1960
BY DUVALL G E DDC NR. 251114
CONTRACT NR. AF 49(638)-625
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1186
PITTSBURGH UNIV OF PA
FERROMAGNETIC ANISOTROPY IN CUBIC CRYSTALS
PHYS REV 117 718-725 FEB 1960
BY KEFFER F DDC NR.
OGUCHI T CONTRACT NR. AF 49(638)-329
ANDERSON J H PROJ/TASK NR. 9760-37601

AFOSR TN 60-1188
ILLINOIS UNIV OF URBANA
THERMOELECTRIC PROPERTIES OF MAGNESIUM TITANATES
THESIS NOV 1960
BY BYRON S W DDC NR. 268594
WEISE E E CONTRACT NR. AF 49(638)-212
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1189
AF OFFICE OF SCIENTIFIC RESEARCH
AIRFORCE RESEARCH ON LIVING PROTOTYPES SEP 1960
WASSTR-60-600 61-67 AEROMED LAB WADD SEP 1960
BY SAVELY H F DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR TN 60-1190
BOLT BERANEK & NEWMAN INC CAMBRIDGE MASS
ON PSYCHOPHYSIOLOGICAL MODELS
SENSORY COMMUNICATION WILEY 1961 CHAPT 1 P 69-72
BY LICKLIDER J C R DDC NR.
CONTRACT NR. AF 49(638)-355
PROJ/TASK NR. 9778-37706

AFOSR TN 60-1191
BOLT BERANEK & NEWMAN INC CAMBRIDGE MASS
MAN-COMPUTER SYMBIOSIS
IRE TRANS ON HUMAN FACTORS IN ELECTRONICS MAR 1960 PP 4-11
BY LICKLIDER J C R DDC NR. 267306
CONTRACT NR. AF 49(638)-355
PROJ/TASK NR. 9778-37706

AFOSR TN 60-1192
FREE UNIV OF BRUSSELS BELGIUM
IRREVERSIBLE PROCESSES IN A QUANTUM PLASMA
PHYSICA 26 443-444 1960
BY BALESCU R — DDC NR. 246355
PRIGOGINE <P.I.> — CONTRACT NR. AF 61<052>-179
PROJ/TASK NR. 9751-37511

AFOSR TN 60-1193
FREE UNIV OF BRUSSELS BELGIUM
ON THE DECAY OF LONG-RANGE CORRELATIONS
PHYSICA 26 529-530 1960
BY PRIGOGINE I — DDC NR. 246356
BALESCU R — CONTRACT NR. AF 61<052>-179
KRIEGER I M — PROJ/TASK NR. 9751-37511

AFOSR TN 60-1194
VIRGINIA UNIV OF CHARLOTTESVILLE
CONVERGENCE IN NORM -
PROC NAS 46 1614-1617 DEC 1960
BY WHYBURN, G. T. — DDC NR. 256046
CONTRACT NR. AF 49 <638>-72
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1195
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE MASS
HYPERSONIC FLOW PAST BLUNT BODIES AT SMALL ANGLES OF ATTACK
OCT 1960
BY GROSS G. L. — DDC NR. 247589
CONTRACT NR. AF 49<638>-207
PROJ/TASK NR. 9781-37713

AFOSR TN 60-1196
MICHIGAN UNIV OF ANN ARBOR
HYDRODYNAMIC ASPECTS OF SHOCK TUBE SPECTROSCOPY
J OPT SOC AMER 50 1293-1299 DEC 1960
BY WILKERSON, T. D. — DDC NR. 262064
LAPORTE, O. — CONTRACT NR. AF 49<638>-439
PROJ/TASK NR. 9767

AFOSR TN 60-1197
POLYTECHNIC INST OF BROOKLYN NY
LAMINAR FLOW IN FINITE POROUS CHANNEL WITH VARIABLE
INJECTION OF SUCTION SEP 1960
BY KOON-SANG WAN — DDC NR. 248666
FERRI A<PI> — CONTRACT NR. AF 49<638>-445
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1198
REPUBLIC AVIATION CORP FARMINGDALE, NY
POWER SUPPLY DESIGN PARAMETER STUDY FOR ELECTROMAGNETIC
DETONATIONS <PHASE I> AUG 1960
BY FOREMAN, K. M. — DDC NR. 245690
KUNEN, A. E.<P.I.> — CONTRACT NR. AF 49 <638>-552
PROJ/TASK NR. 9752-37521

AFOSR TN 60-1199
NORTH CAROLINA UNIV OF CHAPEL HILL
QUANTIZATION OF FIELDS WITH INFINITE DIMENSIONAL
INVARIANCE GROUPS AUG 1960
J MATH PHYS 2 151-162 MAR APR 61
BY DEWITT, B. S. — DDC NR. 246406
CONTRACT NR. AF 49<638>-563
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1200
HARVARD UNIV CAMBRIDGE, MASS
THE SPECIAL CANONICAL GROUP
PROC NAS 46 1401-1415 OCT 1960
BY SCHWINGER, J. — DDC NR. 246539
GLAUBER R J<PI> — CONTRACT NR. AF 49<638>-589
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1201
CALIFORNIA UNIV OF, BERKELEY
FUNCTIONS VALUED IN VARIABLE NORMED SPACES JAN 1961
BY TREVES J. F. — DDC NR. 256116
CONTRACT NR. AF 49<638>-604
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1202
YALE UNIV NEW HAVEN CONN
MOTT-SCATTERING ANALYSIS OF LONGITUDINAL POLARIZATION
OF ELECTRONS FROM CO 60
PHYS REV 120 1393-1405 NOV 1960
BY GREENBERG J S — DDC NR. 249044
MALONE D P — CONTRACT NR. AF 49<638>-752
GLUCKSTERN R L — PROJ/TASK NR. 9750-37500
HUGHES V W
BREIT G

AFOSR TN 60-1203
MICHIGAN UNIV OF ANN ARBOR
FOUNDATIONS OF PHONEMIC THEORY
PROC SYMP IN APPL MATH V.12 139-165 STRUCTURE OF LANG AND
ITS MATH ASPECTS, AMER MATH SOC 1961
BY PETERSON G. E. — DDC NR.
HARARY F. — CONTRACT NR. AF 49<638>-492
PROJ/TASK NR. 9769-37659

AFOSR TN 60-1205
MICHIGAN UNIV OF ANN ARBOR
THE PERCEPTION OF STOPS AFTER S
PHONETICA 6 70-81 1961
BY REEDS J. A. — DDC NR.
WANG W. S-Y. — CONTRACT NR. AF 49<638>-492
PETERSON G. E. <P.I. — PROJ/TASK NR. 9769-37659

AFOSR TN 60-1206
IOWA STATE UNIV AMES
TEMPERATURE DEPENDENCE OF SOUND DISPERSION IN HALO-METHANE
GASES MAR 1958
J CHEM PHYS 30 163-167 JAN 1959
BY LEGVOLD, S. — DDC NR. 246239
ANNE, R. C. — CONTRACT NR. AF 18<600>-1496
PROJ/TASK NR. 9751-37511

AFOSR TN 60-1207
HUMAN SCIENCES RSCH INC ARLINGTON VA
MAJOR VARIABLES OF THE SMALL GROUP FIELD NOV 1960
BY ALTMAN I — DDC NR. 250740
TERAUDS A — CONTRACT NR. AF 49<638>-256
MC GRATH J E — PROJ/TASK NR. 9778-37707

AFOSR TN 60-1208
HUMAN SCIENCES RSCH INC ARLINGTON VA
ANNOTATION OF SMALL GROUP RESEARCH STUDIES OCT 1960
BY ALTMAN I — DDC NR. 248440
PENDLETON C — CONTRACT NR. AF 49<638>-256
TERAUDS A — PROJ/TASK NR. 9778-37707

AFOSR TN 60-1209
MILAN UNIV OF ITALY
ELECTROCHEMICAL BEHAVIOR OF OXYGEN AND HYDROGEN PEROXIDE
ON MAGNETITE ELECTRODES OCT 1960
BY BIANCHI G — DDC NR. 264717
CAPRIOGLIO G — CONTRACT NR. AF 61<052>-260
DAVOLIO G — PROJ/TASK NR. 9761-37610
MAZZO F
MUSSINI T

AFOSR TN 60-1210
UNIV OF LOUVAIN, BELGIUM
NEW DEVELOPMENTS OF A KINETICAL STUDY OF FLAMES FINAL RPT
FEB 61
BY VAN TIGGELEN, A. — DDC NR. 254500
CORBEELS, R. — CONTRACT NR. AF 61 <514>-1245
VANDENABEELE, H. — PROJ/TASK NR. 9751-37510
OLIESLAGER, J. D.

AFOSR TN 60-1211
CHICAGO UNIV OF ILL
MESIC DECAY OF HYPERNUCLEI FROM K- CAPTURE. II. BRANCHING
RATIOS IN THE CHARGED MESIC DECAY MODES OF 3H , 4H , 4HE ,
AND 5HE
NUOVO CIM SER X 19 20-35 JAN 1961
BY SCHLEIN, P. E. — DDC NR. 255783
STEINBERG, P.H. — CONTRACT NR. AF 49<638>-209
AMMAR, R. G. — PROJ/TASK NR. 9750-37500
SETTI, R. L.
SLATER, W. E.
LIMENTANI, S.
TELAGDI, V. L.<P.I.>

AFOSR TN 60-1212
CHICAGO UNIV OF, ILL
SEARCH FOR SPSILON MINUS HYPERFRAGMENTS
PHYS. REV. 120 1914-1916 1 DEC 1960 INTERNAT CONF HIGH
PHYSICS ROCHESTER, 1960 P 497-498
BY MOTT J F — DDC NR. 255600
SCHLEIN P E — CONTRACT NR. AF 49<638>-209
SKJESSESTAD O — PROJ/TASK NR. 9750-37500
SRIVASTAVA P K
AMMAR R G
CRAYTON N
JAIN K P
LEVI SETTI R
TELEGDI V L

AFOSR TN 60-1213
RIAS INC BALTIMORE MD
LOCAL LINEAR DEPENDENCE AND THE VANISHING OF THE
WRONSKIAN NOV 1960
BY MEISTERS G H — DDC NR. 248304
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR TN 60-1214
PRINCETON UNIV NJ
HYPERSONIC FLOW OVER CONES SEP 1960
BY BERGER, S. A. — DDC NR. 255919
BOGDONOFF S<PI> — CONTRACT NR. AF 49<638>-709
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1216
OHIO STATE UNIV COLUMBUS
THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF FLUOROCARBONS
I. HALOGENATED ETHANES
J MOL SPECTR 7 307-321 NOV 1961
BY ELLZMAN, D. E. — DDC NR.
BROWN, L. C. — CONTRACT NR. AF 18<600>-772
WILLIAMS, D. — PROJ/TASK NR. 9768-37650

AFOSR TN 60-1217
OHIO STATE UNIV COLUMBUS
THE NUCLEAR MAGNETIC RESONANCE SPECTRA OF FLUOROCARBONS
..II. HALOGENATED N-PARAFFINS
J MOL SPECTR 7 322-340 NOV 1961
BY ELLEMAN D F — DDC NR.
CARLTON L — CONTRACT NR. AF 18<600>-772
WILLIAMS D — PROJ/TASK NR. 9768-37650

AFOSR TN 60-1218
OHIO STATE UNIV COLUMBUS
NUCLEAR MAGNETIC RESONANCE SPECTRA OF FLUOROCARBONS III.
HALOGENATED PROPYNES, PROPENES, BUTENES AND CYCLOPENTENES
J MOL SPECT 7 385-392 1961
BY BEISNER, H. M. — DDC NR.
BROWN, L. C. — CONTRACT NR. AF 18<600>-772
WILLIAMS, D. — PROJ/TASK NR. 9768-37650

AFOSR TN 60-1221
US BUREAU OF MINES BARTLESVILLE OKLA
INFRARED SPECTRA OF ORGANIC COMPOUNDS IN THE REGION 15-35
MICRONS.. THIRTEEN ORGANIC OXYGEN, NITROGEN, SULFUR, AND
SILICON COMPOUNDS NOV 1960
BY FRENZEL, C. A. — DDC NR. 246090
SCOTT, D. W. — CONTRACT NR. CSO 680-59-9
MCCULLOUGH, J.P. — PROJ/TASK NR. 4759-03

AFOSR TN 60-1222
MINNESOTA UNIV OF MINNEAPOLIS
THE ASSOCIATION OF ALPHA AND BETA CYCLODEXTRINS WITH
ORGANIC ACIDS
JACS 83 2312-2320 MAY 1961
BY SCHLENK H — DDC NR. 259486
SAND D M — CONTRACT NR. AF 18<603>-18
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1223
WAYNE STATE UNIV DETROIT, MICH
ABSTRACT HOMOTOPY THEORY
BY SZE-TSEN HU
DDC NR. 250732
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1224
WAYNE STATE UNIV DETROIT, MICH
FIBERINGS OF ENVELOPING SPACES OCT 1960
PROC LONDON MATH SOC 3D SR 11 691-707 OCT 1961
BY SZE-TSEN HU
DDC NR. 246491
CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1225
BATTELLE MEMORIAL INST COLUMBUS O
INFLUENCE OF CONDUCTIVITY GRADIENTS ON GALVANOMAGNETIC EFFECTS IN SEMICONDUCTORS OCT 60
J APPL PHYS 32 800-805 MAY 1961
BY BATE R T
BEER A C
DDC NR. 245305
CONTRACT NR. AF 49(638)-222

AFOSR TN 60-1226
BATTELLE MEMORIAL INST COLUMBUS O
INFLUENCE OF MAGNETOCONDUCTIVITY DISCONTINUITIES ON GALVANOMAGNETIC EFFECTS IN INDIUM ANTIMONIDE OCT 1960
J APPL PHYS 32 806-814 MAY 1961
BY BATE R T
BELL J C
BEER A C
DDC NR. 246424
CONTRACT NR. AF 49(638)-222
PROJ/TASK NR. 9762-37621

AFOSR TN 60-1227
AERONAUTICAL RSCH ASSOCIATES OF PRINCETON, INC, NJ
EXAMINATION OF THE SOLUTIONS OF THE NAVIER-STOKES EQUATIONS FOR A CLASS OF THREE-DIMENSIONAL VORTICES., PART I.* VELOCITY DISTRIBUTIONS FOR STEADY MOTION OCT 1960
BY DONALDSON C. DUP.
SULLIVAN R. D.
DDC NR. 247471
CONTRACT NR. AF 49(638)-255
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1229
POLYTECHNIC INST OF BROOKLYN NY
EXTENSIONAL VIBRATIONS OF ELASTIC SANDWICH PLATES OCT 1960
BY YU, Y. Y.
DDC NR. 248301
CONTRACT NR. AF 49(638)-453
PROJ/TASK NR. 9782-37717

AFOSR TN 60-1230
WASHINGTON UNIV ST LOUIS, MO
ASSOCIATION BETWEEN SODIUM AND NAPHTHALENIDE IONS
J AMER CHEM SOC 83 1330-1334 MAR 1961
BY ATHERTON, N. M.
WEISSMAN, S. I.
NORBERG R<PI>
DDC NR.
CONTRACT NR. 49(638)-464
PROJ/TASK NR. 9751-37511

AFOSR TN 60-1231
CALIFORNIA UNIV OF LOS ANGELES
RECENT ADVANCES IN ASTRODYNAMICS 1960 3CT 1960
ARSJ 1127-1140,* DEC 1960
BY BAKER JR, R. M. L.
HERRICK S. <P.I.>
DDC NR. 263781
CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-37726

AFOSR TN 60-1234
MINNESOTA UNIV OF MINNEAPOLIS
ELECTRON SPIN RESONANCE STUDIES OF IMPURITY IONS IN MAGNESIUM OXIDE
PROC ROYAL SOC 78 554-568 1961
BY ORTON J W
AUZINS P
GRIFFITHS J H E
WERTZ J E
DDC NR.
CONTRACT NR. AF 49(638)-683
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1235
ARMOUR RSCH FOUND CHICAGO ILL
CONVERSION OF DIFFRACTOMETER FOR SMALL ANGLE SCATTERING OCT 1960
BY BRAGG R H
COPELAND L E
DDC NR. 245197
CONTRACT NR. AF 49(638)-829
PROJ/TASK NR. 9763-87631

AFOSR TN 60-1236
MICHIGAN UNIV OF ANN ARBOR
AUTOMATIC SPEECH RECOGNITION PROCEDURES
LANG AND SPEECH 4,* 200-219,* OCT-DEC 1961
BY PETERSON G. E.
DDC NR.
CONTRACT NR. AF 49(638)-492
PROJ/TASK NR. 9769-37657

AFOSR TN 60-1237
AEROJET-GENERAL CORP, AZUSA, CALIF
JUL 1960 CHARGED COLLOID PROPULSION SYSTEM, SECOND SEMIANNUAL REPORT
BY EDMONSON, R. B.
KRETSCHMER, C. B.
BECKER, L. B.
DDC NR. 244546
CONTRACT NR. AF 49(638)-656
PROJ/TASK NR. 9752-37521

AFOSR TN 60-1238
LORENTZ-INVARIANT GRAVITATIONAL THEORY, SEMINAR FOR THEORETICAL PHYSICS, UNIV OF BERN AND CERN, GENEVA
FORTSCHRITTE DER PHYSIK 7 79-101 <1959> IN ORIG LANGUAGE
BY THIRRING W
GOLDBERG J
DDC NR. 249195
CONTRACT NR.

AFOSR TN 60-1240
STANFORD UNIV CALIF
THE STANFORD MICROWAVE SPECTROHELIOGRAPH ANTENNA, A MICROSTERANDIAN PENCIL-BEAM INTERFFROMETER NOV 1960
BY BRACEWELL, R. N.
SWARUP, G.
DDC NR. 249516
CONTRACT NR. AF 18(603)-53
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1241
VIRGINIA UNIV OF CHARLOTTESVILLE
IONIZATION YIELD OF LOW ENERGY HEAVY IONS IN ARGON OCT 1960
AMERICAN PHYSICAL SOCIETY, 27 JAN 1960 NEW YORK MEETING 1/27/60
BY PHIPPS, J. A.
TOWLE, L. C.
LOWERY, R. A.
DDC NR. 247075
CONTRACT NR. AF 49 (638)-22
PROJ/TASK NR. 9767

AFOSR TN 60-1242
NEW YORK UNIV NY
EXPANSION PROBLEMS ARISING FROM THE WATSON TRANSFORMATION OCT 1960
BY PFLUMM, E.
KLINE, M.<P.I.>
DDC NR. 254787
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1243
SYRACUSE UNIV NY
PROBABILISTIC METHODS IN MARKOV CHAINS OCT 1960
BY CHUNG, K. L.
DDC NR. 247241
CONTRACT NR. AF 49 (638)-265
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1244
SYRACUSE UNIV NY
SOME REMARKS ON TABOO PROBABILITIES OCT 1960
BY CHUNG, K. L.
DDC NR. 247242
CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1245
SYRACUSE UNIV NY
A NOTE ON THE ERGODIC THEOREM OF INFORMATION THEORY OCT 60
ANNUALS MATH STAT 32 612-614 JUN 1961
BY CHUNG, K. L.
DDC NR. 247243
CONTRACT NR. AF 49(638)-265
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1246
GENERAL ATOMIC SAN DIEGO, CALIF
CONDENSATION OF ATOMIC AND MOLECULAR DYDROGEN AT LOW LOW TEMPERATURES JAN 1961
BY BRACKMANN, R. T.
FITE, W. L.
DDC NR. 250781
CONTRACT NR. AF 49(638)-356
CONTRACT NR. AF 49(638)-301
PROJ/TASK NR. 9783-37726
PROJ/TASK NR. 9750-37501

AFOSR TN 60-1247
BROWN UNIV PROVIDENCE RI
LINEARIZED TRANSONIC FLOW ABOUT SLENDER BODIES AT ZERO ANGLE OF ATTACK OCT 1960
BY MAEDER P. F.
DDC NR. 248228
CONTRACT NR. AF 49(638)-444
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1248
CHICAGO UNIV OF ILL
A STUDY OF THE IONIZATION OF POLYSTYRENE SULFONIC ACID BY PROTON MAGNETIC RESONANCE
JACS 83 1026-1028 MAR 1961
BY KOTIN L
NAGASAWA M
DDC NR.
CONTRACT NR. AF 49(638)-694
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1249
DUKE UNIV DURHAM, NC
AUG 1960, STRUCTURE AND ORIENTATION OF FREE RADICALS FORMED BY IONIZING RADIATIONS IN CERTAIN NATIVE PROTEINS
PROC NAS 46 1124 1136 1960
BY GORDY, W.
SHIELDS, H.
DDC NR. 247412
CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1250
DUKE UNIV DURHAM, NC
AUG 1960, TEMPERATURE EFFECTS ON FREE RADICAL FORMATION AND ELECTRON MIGRATION IN IRRADIATED PROTEINS
PROC NAS 46 1137 1144 1960
BY PATTEN, F.
GORDY, W.
DDC NR. 247412
CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1251
DUKE UNIV DURHAM, NC
AUG 1960, ELECTRON SPIN RESONANCE OF AN IRRADIATED SINGLE CRYSTAL OF N-ACETYLGLYCINE
J CHEM PHYS 33 1599-1606 DEC 1960
BY MIYAGAWA, I.
KURITA, Y.
GORDY, W.
DDC NR. 247412
CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1252
VIRGINIA UNIV OF CHARLOTTESVILLE
DIFFERENTIABLE INVOLUTIONS SEP 1960
BY CONNER, P. E.
FLOYD, E. E.
WHYBURN, G. T.<P.I.>
DDC NR. 256486
CONTRACT NR. AF 49(638)-72
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1253
CALIFORNIA UNIV OF BERKELEY, CALIF
PROCEEDINGS OF FOURTH CONTRACTORS MEETING ON AIRBREATHING COMBUSTION MAY 1960
BY OPPENHEIM, A. K.
LADERMAN, A. J.
DDC NR. 247033
CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9751-37510

AFOSR TN 60-1254
US NATIONAL BUREAU OF STANDARDS WASH DC
MEAN MOTIONS IN CONDITIONALLY PERIODIC SEPARABLE SYSTEMS NOV 1960
BY VINTI, J. P.
DDC NR. 246592
CONTRACT NR. CSO 680-60-2
PROJ/TASK NR. 9783-37726

AFOSR TN 60-1255
WISCONSIN UNIV OF MADISON
SYMMETRICAL RESONANCE-STABILIZED ANIONS CN ON 2
JACS 82 6204-6205 1960
BY WEST R — DDC NR. 249890
NIU H — CONTRACT NR. AF 49(638)-285
POWELL D L — PROJ/TASK NR. 9760-37600
EVANS M V

AFOSR TN 60-1256
CALIFORNIA UNIV OF LOS ANGELES
STRESS FIELD CAUSED BY SLIPS IN A WORK-HARDENING CRYSTAL
IN AN AGGREGATE OCT 1960
BY LIN T H — DDC NR. 250368
MARTIN D — CONTRACT NR. AF 49(638)-20
PROJ/TASK NR. 9763-37631

AFOSR TN 60-1257
CHICAGO UNIV OF, ILL
HOW TO GAMBLE IF YOU MUST
BY DUBINS L. — DDC NR.
SAVAGE L. J. — CONTRACT NR. AF 49(638)-391
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1259
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
ON THE CRYSTAL STRUCTURE OF A BASIC ALUMINUM SULFATE AND
THE CORRESPONDING SELENATE
ACTA CHEM SCAND 14 769-771 1960
BYHANSSON G — DDC NR. 252398
LUNDGREN G — CONTRACT NR. AF 61(052)-162
SILLEN, L G — PROJ/TASK NR. 9760-37600
SOIERQUIST, R

AFOSR TN 60-1260
TECHNICAL UNIV OF NORWAY TRONDHEIM
AN ATTEMPT TO DETERMINE THE STRUCTURE PARAMETERS OF
CONDENSED RING HYDROCARBONS USING THE ELECTRON-
DIFFRACTION METHOD IN GAS MOLECULES NOV 1960
ACTA CRYSTA 14 1056-1065 OCT 1961
BY ALMENNINGEN A — DDC NR. 252439
BASTISNSEN O — CONTRACT NR. AF 61(052)-72
DYVIK F — PROJ/TASK NR. 9760-37600

AFOSR TN 60-1261
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
PLASMA PARAMETRIC AMPLIFIER SEP 1960
BY WADA, J. Y. — DDC NR. 247170
KAPRIELIAN, Z. A. — CONTRACT NR. AF 49(638)-522
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1262
COLUMBIA UNIV NY
LONG RANGE ATTRACTIVE POTENTIALS FROM MOLECULAR BEAM STUDIE
ON THE SYSTEMS K, N2(G) AND KCl, N2(G)
J CHEM PHYS 65 892-893 MAY 1961
BY SCHOONMAKER, R. C. — DDC NR. 264817
KUSCH P(PI) — CONTRACT NR. AF 49(638)-557
PROJ/TASK NR. 9767

AFOSR TN 60-1263
BRANDEIS UNIV,WALTHAM, MASS
NOTE ON POSITIVE-DIFINITENESS OF THE ENERGY OF THE
GRAVITATIONAL FIELD
ANN PHYS 2 116-121 SEP 1960
BY ARNOWITT, R. — DDC NR. 246423
DESER, S. — CONTRACT NR. AF 49(638)-636
MISNER, C. W. — PROJ/TASK NR. 9750-37500

AFOSR TN 60-1266
MINNESOTA, UNIV OF, MINNEAPOLIS
AN IMBEDDING OF CLOSED RIEMANN SURFACES IN EUCLIDEAN SPACE
1960
BY GARSIA, A. M. — DDC NR.
CONTRACT NR. AF 49(638)-857
PROJ/TASK NR. 9752-37522

AFOSR TN 60-1267
CORNELL UNIV ITHACA, NY
THE THEORY OF JET-FLAP FOR UNSTEADY MOTION
FLUID MECH 10,*237-258,* 1961
BY SPENCE D. A. — DDC NR.
SEARS W. R. (P.I.) — CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1268
CORNELL UNIV ITHACA, NY
THE LIFT COEFFICIENT OF A THIN JET-FLAPPED WING,* II - A
SOLUTION OF THE INTEGRO-DIFFERENTIAL EQUATION FOR THE SLOPE
OF THE JET
PROC ROYAL SOC A 261-97-118 1961
BY SPENCE D. A. — DDC NR.
SEARS W. R. (P.I.) — CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1269
CALIFORNIA UNIV OF LOS ANGELES
CHEMICAL EFFECTS OF RADIATION SEP 1960
BY LIBBY W F — DDC NR. 247702
CONTRACT NR. AF 49(638)-901
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1270
NEW HAMPSHIRE UNIV OF DURHAM
ELECTROPHILIC DISPLACEMENT REACTION X GENERAL ACID
CATALYSIS IN THE PROTODEBORONATION OF ARENEBORONIC ACIDS
JACS 83 2159-2163 MAY 1961
BY KUIVILA H G — DDC NR. 248687
NAHABEDIAN K V — CONTRACT NR. AF 49(638)-312
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1271
MARSEILLE UNIV OF FRANCE
FUNCTIONAL ORGANIZATION OF AFFERENT INNERVATION OF
MUSCLE STUDIES IN MAN BY MONOSYNAPTIC TESTING
AMER J PHYS MED 38 239-247 DEC 1959
BY PAILLARD J — DDC NR. 246195
CONTRACT NR. AF 61(052)-95
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1272
PISA UNIV OF ITALY
CHANGES OF EVOKED POTENTIALS IN LATERAL GENICULATE BODY
AND VISUAL CORTEX DURING REPETITIVE PHOTIC STIMULATION
IN THE CERVEAU ISOLE CAT
EXPERIENTIA 15 479 1959
BY MANCIA M — DDC NR. 246200
MEULDERS M — CONTRACT NR. AF 61(052)-107
SANTIBANEZ G — PROJ/TASK NR. 9777-37700
MORIZZI G

AFOSR TN 60-1273
PISA UNIV OF ITALY
ENHANCEMENT OF EVOKED RESPONSES IN THE VISUAL SYSTEM
DURING REVERSIBLE RETINAL INACTIVATION
ARCH ITAL BIOL 98 182-205 1960
BY ARDUINI A — DDC NR. 246201
HIRAO T — CONTRACT NR. AF 61(052)-107
MORUZZI G — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1274
PISA UNIV OF ITALY
STEREOTAXIC METHOD FOR SECTIONING THE CORPUS CALLOSUM IN CAT
ELECTROEUCEPHALOGRAPHY AND CLIN NEUROPHYSIOL
J12 517-518 MAY 1960
BY MAGNI F — DDC NR. 253885
MELZACK R — CONTRACT NR. AF 61(052)-107
SMITH C J — PROJ/TASK NR. 9777-37700
MORUZZI G

AFOSR TN 60-1275
PISA UNIV OF ITALY
STEREOTAXIC METHOD FOR SECTIONING THE CORPUS CALLOSUM IN CAT
BY MAGNI F — DDC NR.
MELZACK R — CONTRACT NR. AF 61(052)-107
SMITH C J — PROJ/TASK NR. 9777-37700
MORUZZI G

AFOSR TN 60-1276
PISA UNIV ITALY
EEG SYNCHRONIZATION ELICITED BY LIGHT
ARCHITAL BIOL 98 275-292 1960
BY ARDUINI A — DDC NR. 253886
HIRAO T — CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1277
PISA UNIV OF ITALY
VISUAL SYSTEM AND SLEEP 1960
BY MORUZZI G — DDC NR.
CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1278
PISA UNIV OF ITALY
STUDIO NEUROFISIOLOGICO D-UNA REAZIONE EMOTIVA NEL
FRINGUELLO (FRINGILLA COELEBS) NEUROPHYSIOLOGICAL STUDY OF
AN EMOTIVE REACTION IN THE CHAFFINCH (FRINGILLA COELEBS)
BOLL D-SOC ITAL DI BIOL SPER 36 629-630 1960
BY STRATA P — DDC NR.
MORUZZI G(P.I.) — CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1279
PISA UNIV OF ITALY
ATTIVITA- DI SINGOLE UNITA- DELLA CORTECCIA OTTICA PRIMARIA
DURANTE STIMOLAZIONI LUMINOSE, ACUSTICHE, OLFATTIVE E
DOLORIFICHE NEL CONIGLIO SENZA NARCOSI ACTIVITY OF SINGLE
OF SINGLE UNITS IN THE PRIMARY OPTICAL CORTEX DURING ACOUST
OLFACTORY, AND PAINFUL STIMULATION IN THE RABBIT
BOLL D-SOC ITAL DI BIOL SPERI 35 1879-1881 1959
BY LOMO T — DDC NR.
MOLLICA A — CONTRACT NR. AF 61(052)-107
MORUZZI G(P.I.) — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1280
PISA UNIV OF ITALY
MODIFICAZIONE DIE POTENZIELI EVOCATI DALLA STIMOLAZIONE
FOTICA RIPETITIVA NELLA CORTECCIA VISIVA E NEL CORPO
GENICOLATO LATERALE DEL GATTO CERVEAU ISOLE MODIFICATIONS
IN THE EVOKED POTENTIALS PRODUCED BY REPETITIVE PHOTIC S
STIMULATION OBSERVED IN THE VISUAL CORTEX AND IN THE
LATERAL GENICULATE BODY IN THE CERVEAU ISOLE CAT
BOLL D-SOC ITAL DI BIOL SPERI 35 1937-1938 1959
BY MANCIA M — DDC NR.
MEULDERS M — CONTRACT NR. AF 61(052)-107
SANTIBANEZ G — PROJ/TASK NR. 9777-37700
MORUZZI G(P.I.)

AFOSR TN 60-1281
PISA UNIV OF ITALY
MODIFICAZIONE DEI POTENZIALI EVOCATI DALLA STIMOLAZIONE
RIPETITIVA NELLA CORTECCIA VISIVA E NEL CORPO GENICOLATO
LATERALE DEL GATTO MEDIOPONTINO PRETIGEMINALE MODIFICATIONS
IN THE EVOKED POTENTIALS PRODUCED BY REPETITIVE PHOTIC
STIMULATION OBSERVED IN THE MEDIOPONTINE PRETRIGEMINAL CAT
BOLL D-SOC ITAL DI BIOL SPERI 35 1939-1940 1959
BY MANCIA M — DDC NR.
MEULDERS M — CONTRACT NR. AF 61(052)-107
SANTIBANEX G — PROJ/TASK NR. 9777-37700
MORUZZI G(P.I.)

AFOSR TN 60-1282
PISA UNIV OF ITALY
SYNCHRONISATION DE L-ELECTROENCEPHALOGRAMME PROVQUEE PAR LA
STIMULATION VISUELLE REPETITIVE CHEZ LE CHAT MEDIOPONTIN
PRETRIGEMINAL SYNCHRONIZATION OF THE EGG PROVOKED BY
REPETITIVE VISUAL STIMULATION IN THE MEDIOPONTINE
PRETRIGEMINAL CAT
ARCH INT DE PHYSIOL ET DE CIOCHIMIE 67 661-670 1959
BY MANCIA M — DDC NR.
MEULDERS M — CONTRACT NR. AF 61(052)-107
SANTIBANEZ G — PROJ/TASK NR. 9777-37700
MORUZZI G(P.I.)

AFOSR TN 60-1283
PISA UNIV OF ITALY
SONNO ELETTROENCEFALOGRAFICO PRODOTTO DA ILLUMINAZIONE
CONTINUA NEL PREPARATO MESO-PONTINO ELECTROENCEPHALOGRAPHI
SLEEP PRODUCED BY CONTINUOUS ILLUMINATION IN A MESO-PONTIN
PREPARATION
BOLL D- SOC ITAL DI BIOL SPERI 35 1763-1764 1959
BY ARDUINI A DDC NR,
HIRAO T CONTRACT NR, AF 61(052)-107
MORUZZI G(P,I,) PROJ/TASK NR, 9777-37700

AFOSR TN 60-1284
PISA UNIV OF ITALY
DEAFFERENTAZIONE RETINICA ED EFFETTO CHANG RETINAL
DEAFFERENTATION AND THE ,,CHANG,, EFFECT
BOLL D- SOC ITAL DI BIOL SPERI 35 1761-1762 1959
BY ARDUINI A DDC NR,
HIRAO T CONTRACT NR, AF 61(052)-107
MORUZZI G(P,I,) PROJ/TASK NR, 9777-37700

AFOSR TN 60-1285
PISA UNIV OF ITALY
INFLUENZA DIRETTA DEL FACIO PIRAMIDALE SUI NUCLEI DI GOLL E
DI BURDACH INDIRECT INFLUENCE OF THE PYRAMIDAL TACTS ON THE
NUCLEI OF GOLL AND BURDACH
RENDICONTI DELL- ACCAD NAZ DEI LINCEI, CLASSE DI SCI FIS,
MAT E NAT, SER 8, V, 27 92-95 JUL-AUG 1959
BY MAGNI F DDC NR,
MEZZACA R CONTRACT NR, AF 61(052)-107
MORUZZI G PROJ/TASK NR, 9777-37700
SMITH C J

AFOSR TN 60-1286
EDINBURGH UNIV OF SCOTLAND
ACTION OF DRUGS ON THE NORADRENALINE CONTENTS OF BRAIN AND
SYMPATHETIC GANGLIA FINAL REPORT AUG 1960
BY SARAN K DDC NR,
VOGT M CONTRACT NR, AF 61(052)-277
PROJ/TASK NR, 9777-37701

AFOSR TN 60-1287
OXFORD UNIV OF ENGLAND
THE DECARBOXYLATION OF AMINO ACIDS RELATED TO TYROSINE
AND THEIR AWAKENING ACTION IN RESERPINE-TREATED MICE
J PHYSIOL 151 272-286 1960
BY BLASCHKO H DDC NR, 266202
CHRUSCIEL T L CONTRACT NR, AF 61(052)-235
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1288
OXFORD UNIV OF ENGLAND
INHIBITION OF HUMAN AMINE OXIDASE BY THE TWO ISOMERS OF
AMPHETAMINE
DRUG RSCH 10 927 1960
BY BLASCHKO H DDC NR, 266205
STROMBLAD B C R CONTRACT NR, AF 61(052)-235
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1289
OXFORD UNIV OF ENGLAND
OXIDATION OF 5-HYDROXYTRYPTAMINE AND RELATED COMPOUNDS BY
MYTILUS GILL PLATES
BRIT J PHARMACOLOGY AND CHEMOTHERAPY 15 62-66 MAR 1960
BY BLASCHKO H DDC NR 266207
MILTON A S CONTRACT NR, AF 61(052)-235
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1290
OXFORD UNIV OF ENGLAND
ENZYMIC OXIDATION OF PSILOCINE AND OTHER HYDROXYINDOLES
BIOCHEM PHARM 5 168-169 1960
BY BLASCHKO H DDC NR, 266206
LEVINE W G CONTRACT NR, AF 61(052)-235
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1291
HULL UNIV ENGLAND
JUN 1959 THE SLOW REACTION BETWEEN HYDROGEN AND OXYGEN IN
BORIC-ACID-COATED VESSELS
TRANS FARADAY SOC 56 80-92 1960
BY BALDWIN, R. R. DDC NR, 266076
MAYOR, L. CONTRACT NR, AF 61(052)-62
PROJ/TASK NR, 9791-37910

AFOSR TN 60-1292
HULL UNIV, ENGLAND
JAN 1960 MECHANISM OF THE HYDROGEN & OXYGEN REACTION IN
AGED BORIC-ACID-COATED VESSELS
TRANS FARADAY SOC 56 109-116 JAN 1960
BY BALDWIN, R. R. DDC NR, 266076
MAYOR, L. CONTRACT NR, AF 61(052)-62
PROJ/TASK NR, 9791-37910

AFOSR TN 60-1293
HULL UNIV ENGLAND
JUN 1959 THE SECOND LIMIT OF THE HYDROGEN & OXYGEN IN
BORIC-ACID-COATED VESSELS
TRANS FARADAY SOC 55 93-102 JAN 1960
BY BALDWIN, R. R. DDC NR, 266075
MAYOR, L. CONTRACT NR, AF 61(052)-62
DORAN, P. PROJ/TASK NR, 9791-37910

AFOSR TN 60-1294
MILAN UNIV OF ITALY
WIRELESS TELESTIMULATION OF THE CAT-S MOTOR CORTEX
WITH CONSTANT STIMULI
J PHYSIOL 150 1-2 1959
BY ROMAZZOLA S DDC NR, 266196
GUALTIEROTTI T CONTRACT NR, AF 61(052)-29
MARGARIA R PROJ/TASK NR, 9777-37701

AFOSR TN 60-1295
MILAN UNIV OF ITALY
LA FREQUENZA DI SCARICA DEI MOTONEURONI SPINALI NELL-ARTO
SUPERIORE E INFERIORE DELL-UOMO IN ELAZIONE CON LA TENSIONE
SVILUPPATA DAL MUSCOLO THE FREQUENCY OF DISCHARGE OF THE
SPINAL MOTOR NEURONES IN THE UPPER AND LOWER LIMBS IN MAN
BOLL D-SOC ITAL DI BIOL SPERI 35 2071-2076 1959
BY GUALTIEROTTI T DDC NR,
BRACCHI P CONTRACT NR, AF 61(052)-29
MARGARIA R(P,I,) PROJ/TASK NR, 9777-37701

AFOSR TN 60-1296
MARSEILLES UNIV OF FRANCE
RELATIONS BETWEEN THE ELECTROENCEPHALOGRAPHICAL VARIABLES
AND THOSE EXPRESSING THE PERSONALITY AND THE SENSORY
MOTOR FUNCTIONS, RESULTS OF AN INQUEST ACCOMPLISHED ON A
HOMOGENOUS POPULATION OF YOUNG ADULT MALES, AGE 20 YEARS
REV NEUROLOGIQUE 101 120-130 1959
BY GASTAUT H DDC NR,
RACHER F CONTRACT NR, AF 61(052)-20
AYRT ET AL J PROJ/TASK NR, 9778-37708

AFOSR TN 60-1297
OSLO UNIV OF NORWAY
SUBCORTICAL STRUCTURES MEDIATING THE ATTENTION RESPONSE IN
FIBER NEUR J 103-127 APR 1960
BY JASEN H DDC NR, 266209
KAADA B R CONTRACT NR, AF 61(514)-1127
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1298
OXFORD UNIV OF ENGLAND
CARBON ASSIMILATION BY PSEUDOMONAS OXALATICUS(OXO) I
OXALATE UTILIZATION DURING GROWTH ON OXALATE MOV 1959
BIOCHEM J 75 515-523 1960
BY QUAYLE J R DDC NR, 266206
FREEMAN D R CONTRACT NR, AF 61(052)-100
EPARS, M A(P,I,) PROJ/TASK NR, 9777-37706

AFOSR TN 60-1299
IST NAZIONALE DI OTTICA ITALY
THE FACTORS WHICH AFFECT THE PERFORMANCE OF A RADAR
OPERATOR I SPEED OF READING AND PULSATING LIGHT AT
DIFFERENT LUMINANCES
ATTI D FONDAZIONE GIORGIO RONCHI 15 158-191 MAR-APR 1960
BY MOBI P DDC NR, 266181
RONCHI L CONTRACT NR, AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR, 9777-37701

AFOSR TN 60-1300
IST NAZIONALE DI OTTICA ITALY
NON UNIFORM ILLUMINATION AND READING TIME
ATTI D FONDAZIONE GIORGIO RONCHI 15 369-380 JUL-AUG 1960
BY CONTICELLI M DDC NR, 266901
RONCHI L CONTRACT NR, AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR, 9777-37701

AFOSR TN 60-1301
MINNESOTA UNIV OF MINNEAPOLIS
TRANSIENT AND PERIODIC RESPONSE OF A LOADED SANDWICH PANEL
AFOSR(SP SCI 28 582-596 MAY 1960
BY CHANG, F. C. DDC NR, 257226
PANG, R. T. CONTRACT NR, AF 18(603)-112
PROJ/TASK NR, 9782-37718

AFOSR TN 60-1302
PRINCETON UNIV, NJ
SURFACE RECOMBINATION OF HYDROGEN ATOMS IN THE PRESENCE OF
WATER VAPOR
BY MOHAR, F. J. DDC NR, 267917
EURIUS, S. CONTRACT NR, AF 49(638)-92
DECERES, J. PROJ/TASK NR, 9761-37410
BOUDART, M.

AFOSR TN 60-1303
CALIFORNIA UNIV OF BERKELEY, CALIF
EXPERIMENTAL STUDY OF THE DEVELOPMENT OF DETONATION NOV 60
BY LAUFMAN, A. J. DDC NR, 250461
OPPENHEIM, A. K. CONTRACT NR, AF 49(638)-166
PROJ/TASK NR, 9761-37410

AFOSR TN 60-1304
POLYTECHNIC INST OF BROOKLYN NY
HIGH ORDER CORRECT DIFFERENCE SCHEMES FOR ANISOTROPIC
PARABOLIC EQUATIONS OCT 1960
BY HERMAN, R. DDC NR, 266922
RADOR, J. P. M. CONTRACT NR, AF 49(638)-302
ERMANYR J(PI) PROJ/TASK NR, 9782-37717

AFOSR TN 60-1305
STANFORD UNIV CALIF
A NOTE CONCERNING THE MAGNETIC MOMENT OF THE MUON SEP 1960
BY BYERS N DDC NR, 269884
ZACHARIASEN CONTRACT NR, AF 49(638)-388
SCHIFF, L I(P,I,) PROJ/TASK NR, 9750-37500

AFOSR TN 60-1306
NORTH CAROLINA UNIV CHAPEL HILL
THE PREDICTION OF CHOICE UNDER ALTERNATIVE MODELS FOR
CONFIRGENT AND COMPOUND PAIRED COMPARISONS OCT 1960
BY MCKEON J J DDC NR, 250705
SHUFORD E H CONTRACT NR, AF 49(638)-729
ROCE R D PROJ/TASK NR, 9770-37708
JONES L V

AFOSR TN 60-1309
OXFORD UNIV OF ENGLAND
COHERENCE AND BAND-WIDTH OF A GAS DISCHARGE HARMONIC
GENERATOR
NATURE 186 826 MAY 1960
BY BIERNUM M B DDC NR, 266919
WALSH D CONTRACT NR, AF 61(514)-1185
VORES J C PROJ/TASK NR, 9760-37690
MOTZ, H(P,I,)

AFOSR TN 60-1310
INST MAREY FRANCE
ON THE ORIGIN OF SLOW WAVES OBSERVED IN INTRACELLULAR
DERIVATION IN DIVERSE CEREBRAL STRUCTURES
COMPTES RENDUS 154 11 1960
BY ALBE-FESSARD D DDC NR,
CONTRACT NR, AF 61(052)-109
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1311
INST MAREY FRANCE
NEUROPHYSIOLOGY GLOBAL OR UNITARY RESPONSES
OBSERVED IN THE CENTRAL MEDIAN OF THE THALAMUS
IN THE AWAKENED CAT
COMPTES RENDUS 250 2610-2620 APR 1960
BY ALBE-FESSARD D DDC NR,
CONTRACT NR, AF 61(052)-109
PROJ/TASK NR, 9777-37700

AFOSR TN 60-1312
INST MAREY FRANCE
MISE EN JEU REFLEXE DU SYSTEME PYRAMIDAL CHEZ LE CHAT
ARCH ITAL BIOL 98 123-164 1960
BY BUSER P — DDC NR.
ASCHER P — CONTRACT NR. AF 61<052>-103
ABLE FESSARD, D<PI> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1313
INST MAREY FRANCE
DONNEES SUR L-ORGANISATION DES PROJECTION AFFERENTES
AU NIVEAU DU CORTEX MOTEUR DUU CHAT
ANALES DE LA FACULTAD E
ANALES DE LA FACULTAD DE MEDICINA 44 220-229 1959
BY BUSER P — DDC NR.
IMBERT M — CONTRACT NR. AF 61<052>-103
ABLE FESSARD, D<PI> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1314
INST MAREY FRANCE
ACTIVITES EVOQUEES DANS LE NOYAU CAUDE DU CHAT EN REPONSE A
DES TYPES DIVERS D AFFERENCES I ETUDE MACROPHYSIOLOGIQUE
ELECTROENCEPHALOGRAPHY AND CLIN NEUROPHYSIOL
J 12 405-420 MAY 1960
BY ALBE-FESSARD D — DDC NR.
OSWALDO-CRUZ E — CONTRACT NR. AF 61<052>-103
ROCHA-MIRANDA C — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1315
CAMBRIDGE UNIV OF ENGLAND
THE EFFECT OF OESTROGEN AND PROGESTERONE ON THE NEST-
BUILDING OF DOMESTICATED CANARIES
ANIM BEHAV 7 209213 JUL-OCT 1959
BY WARREN R P — DDC NR. 246163
HINDE R A — CONTRACT NR. AF 61<052>-97
THORPE, W H<P.I.> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1316
CAMBRIDGE UNIV OF ENGLAND
THE EFFECT OF NEST BUILDING ON LATER REPRODUCTIVE BEHAVIOUR
IN DOMESTICATED CANARIES
ANIM BEHAV 735-41 JAN-APR U959
BY HINDE R A — DDC NR. 246164
WARREN R P — CONTRACT NR. AF 61<052>-97
THORPE, W H<P.I.> — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1317
LONDON UNIV OF ENGLAND
THE SECRETION AND ABSORPTION OF ENDOLYMPH
ACTA OTO-LARYNG 51 435-438 1959
BY DOHLMAN G — DDC NR. 246182
ORMEROD F C — CONTRACT NR. AF 61<052>-271
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1318
PENNSYLVANIA UNIV OF PHILADELPHIA
1960 THUNKS - A WAY OF COMPILING PROCEDURE STATEMENTS, WITH
SOME COMMENTS ON THE PROCEDURE DECLARATIONS
BY INGERMAN, P. Z. — DDC NR. 259779
IRONS, E. T. — CONTRACT NR. AF 49<638>-951
SATTLEY K. — PROJ/TASK NR. AF 49<638>-951
FEURZEIG W. — 9769-37659
GORN S. <P.I.>

AFOSR TN 60-1319
PENNSYLVANIA UNIV OF PHILADELPHIA
1960 DYNAMIC OWN ARRAY DECLZRATIONS
BY INGERMAN, P. Z. — DDC NR. 259778
SATTLEY, K. — CONTRACT NR. AF 49<638>-951
IRONS, E. T. — PROJ/TASK NR. 9769-37659
FFURZEIG W.
GORN S. <P.I.>

AFOSR TN 60-1320
PENNSYLVANIA UNIV OF PHILADELPHIA
1960 THE ALLOCATION OF STORAGE FOR ARRAYS IN ALGOL-60
BY SATTLEY K. — DDC NR. 259780
INGERMAN P. Z. — CONTRACT NR. AF 49<638>-951
GORN S. <P.I.> — PROJ/TASK NR. 9769-37659

AFOSR TN 60-1321
PENNSYLVANIA UNIV OF PHILADELPHIA
1960 COMMENTS ON THE IMPLEMENTATION OF RECURSIVE PROCEDURES
AND BLOCKS
BY IRONS E. T. — DDC NR. 259703
FEURZEIG W. — CONTRACT NR. AF 49<638>-951
GORN S. <P.I.> — PROJ/TASK NR. 9769-37659

AFOSR TN 60-1325
KAROLINSKA INST STOCKHOLM SWEDEN
DER LINGUOMANDIBULARE REFLEX ALS INDEX DER KOHLENSAUREEMP-
SINDLICHKEIT DES HIRNSTAMMES THE LINGUO-MANDIBULAR REFLEX
AS AN INDEX OF CO2 SENSITIVITY OF THE BRAIN STEM
NATURWISSENCHAFTEN 13 305-306 1960
BY JURNA I — DDC NR. 246185
SODERBERG U — CONTRACT NR. AF 61<052>-119
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1326
IST NAZIONALE DI OTTICA ITALY
ELECTRORETINOGRAPHIC RECORDS IN RESPONSE TO LOW-INTENSITY
AND SHORT DURATION STIMULI
ATTI D FONDAZIONE GIORGIO RONCHI CONTRIBUTI 15 260-263
MAY-JUN 1960
BY BITTINI M — DDC NR. 259830
TORALDO DI FRANCIA G — CONTRACT NR. AF 61<052>-80
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1327
IST NAZIONALE DI OTTICA ITALY
ON THE RECOVERY OF SENSITIVITY SUBSEQUENT TO EITHER WHITE OR
YELLOW GLARE
ATTI D FONDAZIONE GIORGIO RONCHI CONTRIBUTI 15264-271
MAY-JUNE 1960
BY ERCOLEA A M — DDC NR. 259831
TORALDO DI FRANCIA, — CONTRACT NR. AF 61<052>-80
9777-37701

AFOSR TN 60-1328
IST NAZIONALE DI OTTICA ITALY
ON THE FACTORS WHICH AFFECT THE PERFORMANCE OF A RADAR
OPERATOR II RECOVERY OF CONTRAST SENSITIVITY AFTER
PRE-ADAPTATION TO STIMULI OF VARIOUS SPECTRAL COMPOSITIONS
BY RONCHI L — DDC NR. 253832
TORALDO DI FRANCIA G — CONTRACT NR. AF 61<052>-80
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1329
IST NAZIONALE DI OTTICA ITALY
ON THE PERCEPTION OF INCOMPLETE BORDERS
ATTI D FONDAZIONE GIORGIO RONCHI 15 358-368
BY MORI G F — DDC NR. 253833
RONCHI L — CONTRACT NR. AF 61<052>-80
TORALDO DI FRANCIA G — PROJ/TASK NR. 9777-37701

AFOSR TN 60-1330
STANFORD UNIV CALIF
CREEP EXPERIMENTS WITH STEPWISE CHANGES OF THE TENSILE
LOAD <DATA ON 5052A1 ALLOY AT 450°F> AUG 1960
BY BESSELING, J. F. — DDC NR. 259375
DUTTON, D. W. — CONTRACT NR. AF 49<638>-223
HOFF N J<PI> — PROJ/TASK NR. 9782-37718

AFOSR TN 60-1331
POLYTECHNIC INST OF BROOKLYN, NY
PROPERTIES OF THIN FILMS AND BULK FERRITES BY MICROWAVE
MEASUREMENTS OCT 1960
BY SIEGEL, L. — DDC NR.
WEBER E<PI> — CONTRACT NR. AF 18<600>-1505
MARCUBITZ N — PROJ/TASK NR. 4751
TRUXAL J G

AFOSR TN 60-1332
PURDUE UNIV LAFAYETTE IND
AN INTERPRETATION OF THE BERKELEY ANOMALY IN HIGH ENERGY
P-P COLLISIONS
PHYS REV LTRS 5 513-514 DEC 1960
BY TUBIS, A. — DDC NR. 250975
URETSKY, J. L. — CONTRACT NR. AF 18<600>-1579
KING R W<PI> — PROJ/TASK NR. 9750-37500

AFOSR TN 60-1334
MASSACHUSETTS GENERAL HOSPITAL BOSTON
SOME USE OF COMPUTERS IN EXPERIMENTAL NEUROLOGY
EXPER NEUROL 2 123-143 APR 1960
BY BRAZIER M A — DDC NR.
CONTRACT NR. AF 49<638>-98
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1335
MASSACHUSETTS GENERAL HOSPITAL BOSTON
LONG-PERSISING ELECTRICAL TRACES IN THE BRAIN OF AND
THEIR POSSIBLE RELATIONSHOP TO HIGHER NERVOUS ACTIVITY
MOSCOW COLLOQUIM ON ELECTROENCEPHALOGRAPHY OF HIGHER
NERVOUS ACTIVITY EDITED BY H H JASPER AND G D SMIRNOV
OF ELECTROENCEPHALOG AND CLIN NEUROPHYSIOL 1960
PP 347-358 SUPP NO 13
BY BRAZIER M A B — DDC NR.
CONTRACT NR. AF 49<638>-98
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1336
MASSACHUSETTS GNERAL HOSPITAL BOSTON
FACILITATION OF ACCURATE PERCEPTION BY ANTICIPATORY SETS
THE PROGRESSIVE EFFECTS OF AGING
GERONTOLOGIA 3 339-350 1959
BY TALLAND G A — DDC NR.
BRAZIER, M A B<P.I.> — CONTRACT NR. AF 49<638>-98
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1337
STANFORD UNIV CALIF
THE STATISTICAL BASIS OF HYDRODYNAMICS AND KINETIC THEORY
OCT 1960
BY DAVIS, L. W. — DDC NR. 247590
STWOROCK P A<PI> — CONTRACT NR. AF 49<638>-342
PROJ/TASK NR. 9774-37663

AFOSR TN 60-1338
PURDUE UNIV, LAFAYETTE, IND
INTEGRATION WITH RESPECT TO OPERATOR-VALUED FUNCTIONS NOV
1960
BY KRABBE, G. L. — DDC NR. 254742
CONTRACT NR. AF 49<638>-505
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1340
POLYTECHNIC INST OF BROOKLYN NY
PERTURBED BOUNDARY LAYER SOLUTIONS APPLIED TO THE WALL JET
AND BLASIUS PROFILE OCT 1960
DEVELOPMENTS IN MECHANICS <508-602> PLENUM PRESS NY 1961
BY BLOOM, M. H. — DDC NR. 248667
STEIGER, M. H. — CONTRACT NR. AF 49<638>-217
FERRI A<PI> — PROJ/TASK NR. 9781-37712

AFOSR TN 60-1341
MAJOR DE SAN ANDRES LA PAZ BOLIVIA
COMIC RAYS INTENSITY CHANGES NEAR THE GEOMAGNETIC EQUATOR
DURING JULY 1959
MIDDLE WEST CONF ON COSMIC RAYS IOWA UNIV 29 OCT 1959
BY ESCOBAR I — DDC NR. 247587
MALDONADO E — CONTRACT NR. AF 49<638>-290
NERURKAR N W — PROJ/TASK NR. 9774-37665
ROMERO R

AFOSR TN 60-1342
POLYTECHNIC INST OF BROOKLYN NY
A REALISTIC APPROACH TO PROBLEMS OF OPTIMUM ROCKET
TRAJECTORIES OCT 1960
BY MOSKOWITZ, S. E. — DDC NR. 247226
TING, L. — CONTRACT NR. AF 49<638>-445
FERRI A<PI> — PROJ/TASK NR. 9781-37712

AFOSR TN 60-1343
YESHIVA UNIV NEW YORK NY
THEORY OF THE TWO-AND ONE-DIMENSIONAL RIGID SPHERE FLUIDS
J CHEM PHYS 34 1037-1042 MAR 1961
BY HELFAND, E. — DDC NR.
FRISCH, H. L. — CONTRACT NR. AF 49(638)-753
LEBOWITZ, J. L. — PROJ/TASK NR. 9751-37511

AFOSR TN 60-1344
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE STRUCTURE OF STRONG SHOCK WAVES OF STABLE MONATOMIC MOLECULES OCT 1960
RAREFIED GAS DYNAMICS ACADEMIC PRESS PP 481-499
BY KOGA, T. — DDC NR. 247335
CHUAN R L(PI) — CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR TN 60-1345
NORWAY UNIV OF OSLO
SYMPOSIUM ON METHODS AND ANALYSIS OF DRUG INDUCED BEHAVIOR IN ANIMALS
NEUROPHARMACOLOGY PROC 1ST INT MTG OFED BY P B BRADLEY P WERUIKER AND C RADOUCO-THOMAS AMSTERDAM ELSEVIER 1959
PP 38-45
BY KAADA B R — DDC NR. 254269
CONTRACT NR. AF 61(514)-1127
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1346
UNIV OF NEW HAMPSHIRE DURHAM
ELECTROPHILIC DISPLACEMENT REACTIONSXII, SUBSTITUENT EFFECTS IN THE PROTODEBORONATION OF ARENEBORONIC ACIDS
JACS 83 2167-2174 MAY 1961
BY KUIVILA H G — DDC NR. 248489
NAHABEDIAN K V — CONTRACT NR. AF 49(638)-312
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1347
UNIV OF NEW HAMPSHIRE DURHAM
ELECTROPHILIC DISPLACEMENT REACTIONSXI SOLVENT ISOTOPE EFFECTS IN THE PROTODEBORONATION OF ARENEBORONIC ACIDS
JACS 83 2164-2166 MAY 1961
BY KUIVILLA H G — DDC NR. 248488
NAHABEDIAN K V — CONTRACT NR. AF 49(638)-312
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1348
HULL UNIV ENGLAND
PRELIMINARY STUDY OF THE WATER-CATALYSED OF THE OXIDATION OF CARBON MONOXIDE OCT 1960
BY BALDWIN R R — DDC NR. 254326
BOOTH D — CONTRACT NR. AF 61(052)-62
BROOKS C T — PROJ/TASK NR. 9751-37510

AFOSR TN 60-1349
COPENHAGEN UNIV OF DENMARK
PREPARATION OF CARBON ISOTOPICALLY LABELLED THIOPHENES
ACTA CHEM SCAND 14 1865-1866 1960
BY BAK B — DDC NR.
CHRISTIANSEN J — CONTRACT NR. AF 61(052)-73
TORMOD NIELSEN J — PROJ/TASK NR. 9760-37600

AFOSR TN 60-1350
COPENHAGEN UNIV OF DENMARK
THE STRUCTURE OF THIOPHENE
J MOLECULAR SPECT 7 58-63 JUL 1961
BY BAK R — DDC NR.
CHRISTENSEN D — CONTRACT NR. AF 61(052)-73
HANSEN-NYGAARD L — PROJ/TASK NR. 9760-37600
RASTRUP-ANDERSEN J

AFOSR TN 60-1351
ILLINOIS UNIV OF URBANA
ANTICIPATORY OF CONTINOUS AND DISCRETE RESPONSES
J EXPER PSYCH 63 84-90 1962
BY ADAMS J A — DDC NR.
CREAMER L R — CONTRACT NR. AF 49(638)-371
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1352
ILLINOIS INST OF TECHNOLOGY CHICAGO
ELECTRON DENSITY DISTRIBUTIONS IN ZNO CRYSTALS N NOV 1960
J CHEM PHY 35 1268-1270 OCT 1961
BY MOHANTY G P — DDC NR. 247831
AZAROFF L V — CONTRACT NR. AF 49(638)-425
9763-37631

AFOSR TN 60-1353
ILLINOIS INST OF TECHNOLOGY CHICAGO
THE ROLE OF CRYSTAL STRUCTURE IN DIFFUSION I DUFFUSION PATHS IN CLOSEST-PACKED CRYSTALS
J APPL PHYS 32 1658-1662 SEP 1961
BY AZAROFF L V — DDC NR. 251755
CONTRACT NR. AF 49(638)-425
PROJ/TASK NR. 9763-37631

AFOSR TN 60-1354
ILLINOIS INST OF TECHNOLOGY CHICAGO
THE ROLE OF CRYSTAL STRUCTURE IN DIFFUSION II ACTIVATION ENERGIES FOR DIFFUSION IN CLOSEST-PACKED STRUCTURES DEC 1960
J APPL PHYS 32 1663-1665 SEP 1961
BY AZAROFF L V — DDC NR. 251756
CONTRACT NR. AF 49(638)-425
PROJ/TASK NR. 9763-37631

AFOSR TN 60-1355
BRYN MAWR COLLEGE PA
BODY SPACE-TACTILE-KINESTHETIC SCHEMA SEP 1960
BY DAVIDON R S — DDC NR. 247473
CONTRACT NR. AF 49(638)-726
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1356
DUKE UNIV DURHAM NO CAR
PSYCHOPHYSIOLOGICAL MECHANISMS OF STRESS RESPONSIVITY
SEMI-ANNUAL REPORT APRIL 1960- OCTOBER 1960
BY COHEN S I — DDC NR. 245460
SILVERMAN A J — CONTRACT NR. AF 49(638)-354
SHMAVONIAN B M — PROJ/TASK NR. 9778-37709

AFOSR TN 60-1357A
COLUMBIA UNIV N Y
EFFECT OF THE U-2 INCIDENT AUG 1960
BY NEHNEVAJSA J — DDC NR. 251736
FRANCES A S — CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR TN 60-1358
COLUMBIA UNIV N Y
DEVELOPMENT OF MAJOR STUDY INSTRUMENT APR 1960
BY NEHNEVAJSA J — DDC NR. 251733
CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR TN 60-1359
COLUMBIA UNIV NY
ANTICIPATORY ANALYSIS OF IDEOLOGICAL CONFLICT JUL1960
BY NEHNEVAJSA J — DDC NR. 251730
CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR TN 60-1359B
COLUMBIA UNIV NY
EXPLORATIONS IN IDEOLOGICAL CONFLICT OCT 1960
BY NEHNEVAJSA J — DDC NR. 251731
CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR TN 60-1361
COLUMBIA UNIV N Y
ELEMENTS OF PROJECT THEORY FROM CONCEPTS TO DESIGN
BY NEHNEVAJSA J — DDC NR. 251736
CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR TN 60-1362
STANFORD RSCH INST MENLO PARK CALIF
ENERGIES OF THE GASEOUS ALKALINE EARTH HALIDES NOV 1960
JACS 65 1058-1059 JUN 1961
BY CUBICCIOTTI D — DDC NR. 247244
CONTRACT NR. AF 49(638)-89
PROJ/TASK NR.

AFOSR TN 60-1363
INST MAREY FRANCE
REPONSES OBSERVEES DANS LE CENTRE MEDIAN DU THALAMUS CHEZ LE CHAT EVEILLE LIBRE PORTEUR D ELECTRODES A DEMEURE
COMPTES RENDUS 250 2928-2930 APRIL 1960
BY ALBE-FESSARD D — DDC NR.
MASSION J — CONTRACT NR. AF 61(052)-103
MEULDERS M — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1365
PURDUE UNIV LAFAYETTE IND
THE METALATION OF DIPHENYLFERROCENYLCARBINOL NOV 1960
BY BENKESER R A — DDC NR. 246801
CONTRACT NR. AF 49(638)-297
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1366
STANFORD UNIV CALIF
RADIATIVE CORRECTIONS TO ELECTRON-PROTON SCATTERING
NOV 1960
PHYSICAL REVIEW IS BEING SUBMITTED
BY YUNG-SU TSAI — DDC NR. 249886
SCHIFF L I(PI) — CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1367
MELLON INST PITTSBURGH PA
ON THE FOUNDATION OF LINEAR VISCOELASTICITY NOV 1960
REV MOD PHYS 33 239-249 APR 1961
BY COLEMAN B D — DDC NR. 246689
NOEL, W(P.I.) — CONTRACT NR. AF 49(638)-541
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1370
MINNESOTA UNIV OF MINNEAPOLIS
EXPERIMENTAL INVESTIGATIONS OF LAMINAR HEAT TRANSFER AND TRANSFER AND TRANSITION WITH FOREIGN GAS INJECTION -A 16° POROUS CONE AT M 5 OCT 1960
BY SCOTT, C. J. — DDC NR. 258009
ECKERT E R G(PI) — CONTRACT NR. AF 49(638)-558
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1371
NORTH CAROLINA UNIV OF CHAPEL HILL
ROOM-TEMPERATURE DISLOCATION DECORATION INSIDE LARGE CRYSTALS
PHY REV LTRS K 502-503 DEC 1960
BY CHILDS C B — DDC NR. 247890
SLIFKIN L M — CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1372
MICHIGAN STATE UNIV EAST LANSING
INFRARED ABSORPTION WAVELENGTHS FOR SOLID LIH AND LID
PHY REV 120 405 OCT 60
BY ZIMMERMAN W B — DDC NR. 246902
MONTGOMERY D J — CONTRACT NR. AF 49(638)-622
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1373
MARYLAND UNIV OF COLLEGE PARK
ELECTRON SPIN RESONANCE NOV 1960
BY ANDERSON, R. S. — DDC NR. 246896
CONTRACT NR. AF 18(600)-1582
PROJ/TASK NR. 9751-37511

AFOSR TN 60-1374
JOHNS HOPKINS UNIV BALTIMORE MD
ON DIFFERENTIAL EQUATIONS AND THE FUNCTION NOV 1960
BY HARTMAN, P — DDC NR. 251487
CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1375
TEXAS UNIV OF AUSTIN
ARBITRARINESS OF FRUSTRATION AND AGGRESSION
J ABNORM & SOC PSYCH 63 183-187 1961
BY KREGARMAN J J — DDC NR.
WORCHEL P — CONTRACT NR. AF 49.638#-460
PROJ/TASK NR. 9778-37708

AFOSR TN 60-1376
TEXAS UNIV OF AUSTON
SOME EFFECTS OF SHARED THREAT AND PREJUDICE IN RACIALLY MIXED GROUPS
J ABNORMAL & SOC PSYCH 64 257-2563 1962
BY BURSTEIN E — DDC NR.
MCRAE A V — CONTRACT NR. AF 49<638>-460
WORCHEL P — PROJ/TASK NR. 9778-37708

AFOSR TN 60-1377
ARMOUR RSCH FOUND CHICAGO ILL
AMMONIUM OZONIDE
JACS 84 34-36 JAN 1962
BY SOLOMON I J — DDC NR.
MATTORI K — CONTRACT NR. AF 49<638>-618
KACMAREK A J — PROJ/TASK NR. 9760-37600
SCHOSSBERGER F

AFOSR TN 60-1378
GENERAL MILLS INC MINNAPOLIS MINN
GROWTH TWINS IN INDIUM ANTIMONIDE NOV 1960
U APPL PHY 32 550-551 MAR 1961
BY MUELLER R K — DDC NR.
JACOBSON R L — CONTRACT NR. AF 49<638>-628
PROJ/TASK NR. 9761-37611

AFOSR TN 60-1379
SYDNEY UNIV OF AUSTRALIA
THE PRODUCTION AND PROPERTIES OF MESONS AT HIGH ENERGIES
NUC PHYS 26 634-648 1961
BY MALOS J — DDC NR.
NISHIKAWA K — CONTRACT NR. AF 49<638>-842
VAN LOON L G — PROJ/TASK NR. 9774-37665
BRISBOUT F A
GAULD C
LFHANF J
MCCUSKER C B A

AFOSR TN 60-1381
ROCHESTER UNIV N Y
THE PHOTOLYSIS AND FLUORESCENCE OF DIETHLY KETONE AND DIETHYL KETONE-BIACETYL MIXTURES AT 3130 A AND 2537A
NOV 1960
JACS 83 2629-2633 JUN 1961
BY WEIR D S — DDC NR.
NOYES JR W A — CONTRACT NR. AF 49<638>-679
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1383
AARHUS UNIV. DENMARK
AUG 1960 THE DETERMINANTS OF THE TOEPLITZ MATRICES OF AN ARBITRARY LAURENT POLYNOMIAL
BY SCHMIDT P — DDC NR. 246963
ANDERSEN E. S. <P.I. — CONTRACT NR. AF 61<052>-42
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1384
INST MAREY FRANCE
DULITE DES REPONSES DU CENTRE MEDIAN A LA STIMULATION VISUELLE
COMPTES RENDUS 251 1191-1193 SEP 1960
BY ALBE-FESSARD D — DDC NR.
ALBERTO MALLART M — CONTRACT NR. AF 61<052>-103
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1385
KAROLINSKA INST STOCKHOLM SWEDEN
RELEASE OF NORADRENALINE FROM ADRENERGIC TRANSMITTER GRANULES BY TYRAMINE
EXPERIENTIA 16 376 1960
BY VON EULER U S — DDC NR. 266457
LISHAJKO F — CONTRACT NR. AF 61<052>-309
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1387
CALIFORNIA UNIV OF LOS ANGELES
STRESS FIELD CAUSED BY A UNIFORMLY SLID CRYSTAL AT THE SURFACE OF AN AGGREGATE OCT 1960
J APPL MECH TRANS ASME PAPER NR 61-AP MW-27
BY LIN T H — DDC NR. 251878
TUNG T K — CONTRACT NR. AF 49<638>-20
PROJ/TASK NR. 9763-37631

AFOSR TN 60-1388
WASHINGTON UNIV ST LOUIS MO
THE HEAVY COMPONET OF THE PRIMARY COSMIC RADIATION DURING SOLAR MAXIMUM
NUOVO CIM SER X 19 1100-1115 MAR 1961
BY FICHTEL C E — DDC NR. 260596
CONDON. E UCP .I.> — CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 60-1389
WASHINGTON UNIV ST LOUIS MO
PRIMARY COSMIC-RAY ALPHA PARTICLES I
NUOVO CIM SER X 19 1090-1099 1961
BY ENGLER A — DDC NR. 260596
KAPLON M F — CONTRACT NR. AF 18<603>-108
KERNAN A — PROJ/TASK NR. 9751-37512
KLARMANN J
FICHTEL C
FRIEDLANDER M W
CONDON. F. U.<P.I.>

AFOSR TN 60-1390
WASHINGTON UNIV ST LOUIS MO
THE MEAN FREE PATH FOR ALPHA PARTICLES IN NUCLEAR PHOTOGRAPHIC EMULSION
II NUOVO CIMENTO SER X 19 1269 MAR 1961
BY ENGLISH R L — DDC NR. 260596
CONDON. E UCP .I.> — CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR TN 60-1391
WASHINGTON UNIV ST LOUIS MO
A STUDY OF UNIFORM ISOTHERMAL PROCESSING OF NUCLEAR EMULSIONS SEP 1960
NUOVO CIM 21 SER X 55-68 1961
BY KNIFFEN D A — DDC NR.
FRIEDLANDER M W — CONTRACT NR. AF 49<638>-833
PROJ/TASK NR. 9751-37512

AFOSR TN 60-1392
ROCHESTER UNIV OF N Y
THE INTERNATIONAL INSTITUTE ON QUANTUM CHEMISTRY NOW 1960
BY GOLD A — DDC NR. 248801
DEXTER D L — CONTRACT NR. AF 49<638>-432
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1393
NEW YORK UNIV NY
GEOGRAPHICAL ASPECTS OF COSMIC RAY STUDIES
GEOGRAPH REV 50 504-522 OCT 1960
BY KORFF. S. A. — DDC NR. 247388
CONTRACT NR. AF 49<638>-635
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1394
ILLINOIS UNIV OF URBANA
SELF-DIFFUSION IN SILVER DURING PLASTIC DEFORMATION IN TORSION DEC 1960
BY BALLUFFI R W — DDC NR. 248732
DARBY JR J B — CONTRACT NR. AF 49<638>-880
TOMIZUKA C T — PROJ/TASK NR. 9760-37601

AFOSR TN 60-1395
THOMPSON-RAMO-WOOLDRIDGE CORP. LOS ANGELES. CALIF
TRANSIENT AND STEADY STATE BEHAVIOR IN CESIUM ION BEAMS
ARS ELECTROSTATIC PROPULSION CONF 3-4 NOV 60. U.S. NAVAL POSTGRAD SCH MONTEREY CALIF
BY SELLEN. J. M. — DDC NR. 250289
SHELTON. H. — CONTRACT NR. AF 49<638>-886
LANGMUIR. D.<P.I.> — PROJ/TASK NR. 9752-37521

AFOSR TN 60-1396
US BUREAU OF MINES BARTLESVILLE. OKLA
HEXAMETHYLDISILOXANE.* CHEMICAL THERMODYNAMIC PROPERTIES AND INTERNAL ROTATION ABOUT THE SILOXANE LINKAGE
J PHYS CHEM 65 1320-1326 AUG 1961
BY SCOTT. D. W. — DDC NR. 249544
MESSERLY. J. F. — CONTRACT NR. CSO 680-59-9
TODD. S. S. — PROJ/TASK NR. 4759-03
GUTHRIE. G. B.
HOSSENLOPP. I. A.
MOORE. R. T.
OSBORN. A.
BERG. W. T.
MCCULLOUGH. J. P.

AFOSR TN 60-1397
MARYLAND UNIV OF COLLEGE PARK
ON THE NATURE AND ORIGIN OF THE EARTH-S RADIATION BELTS
SPACE RESEARCH PROC. OF 1ST INT SPACE SCI SYMP NICE. FRANCE 797-820 11-16 JAN 60
BY SINGER. S. F. — DDC NR. 247371
CONTRACT NR. AF 49<638>-530
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1402
RENSSELAER POLYTECHNIC INST TROY N Y
VIBRATIONS OF ROTATING BEAMS WITH TIP MASS NOV 1960
ZEIT FUR ANGEWANDTE MATH AND PHYS 12 369-392 1961
BY BOYCE W E — DDC NR. 247710
HANDELMAN G H — CONTRACT NR. AF 18<600>-1586
PROJ/TASK NR. 9782-37717

AFOSR TN 60-1403
BRUSSELS UNIV OF BELGIUM
OCT 1960. INFLUENCE OF EROSIVE BURNING ON INTERNAL BALLISTI
BY VANDENKERCKHOVE. J. ADDC NR. 246964
CONTRACT NR. AF 61<052>-354
PROJ/TASK NR. 9751-37510

AFOSR TN 60-1404
IST SUPERIORE DI SANITA ROME ITALY
AZIONE DEL DIFENILDIAZADAMANTANOLO <1757 IS> SULLE VIE INIBITORIE SPINALI ACTION OF DIPHENYLDIAZONANTNAOL <1757 IS ON THE INHIBITORY SPINAL TRACTS
BOL DELLA SOC ITALIANA DI BIOLOGIA SPER 35 2035-2039 1959
BY LONGO V G — DDC NR. 246867
CONTRACT NR. AF 61<052>-188
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1405
FREE UNIV WEST BERLIN GERM
DERIVATION OF BOLTZMANN EQUATION WITH THE HELP OF AN ASSUMPTION OF DETERMINACY 1960
BY LUDWIG G — DDC NR. 246970
CONTRACT NR. AF 61<052>-239
PROJ/TASK NR. 9767

AFOSR TN 60-1406
UPPSALA UNIV OF SWEDEN
RESTRICTED RADIO-LESIONS IN THE DEPTH OF THE BRAINN PRODUCED BY A BEAM OF HIGH ENERGY PROTONS PART VI OF RESEARCH ON LOCALIZED RADIO-LESIONS JUN 1960
BY LEKSELL L — DDC NR. 247021
LARSSON B — CONTRACT NR. AF 61<052>-183
ANDERSSON B — PROJ/TASK NR. 9777-37700
REXED B
SOURANDER P
MAIR W

AFOSR TN 60-1407
HEBREW UNIV. JERUSALEM. ISRAEL
OCT 1960 LOCAL PARTIAL DIFFERENTIAL ALGEBRA
BY HALFIN. S. — DDC NR. 246977
ROBINSON. A. — CONTRACT NR. AF 61<052>-187
SGMON. A.<P.I.> — PROJ/TASK NR. 9783-37727

AFOSR TN 60-1408
STANFORD UNIV CALIF
TOLERANCE THEORY OF LARGE ANTENNAS NOV 1960
IRE TRANS ANTENNAS&PROPAGATION AP9 49-58 JAN 1961
BY BRACEWELL, R. N. DDC NR. 249514
CONTRACT NR. AF 18(603)-53
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1409
STANFORD UNIV CALIF
MONITORING PARABOLOIDAL REFLECTOR ANTENNAS NOV 1960
IRE TRANS ANTENNAS AND PROPAGATION AB 1918-1919 NOV 1960
BY SWARUP, G. DDC NR. 249512
YANG, K. S. CONTRACT NR. AF 18(603)-53
BRACEWELL R N<PI> PROJ/TASK NR. 9768-37650

AFOSR TN 60-1410
STANFORD UNIV CALIF
PHASE ADJUSTMENT OF LARGE ANTENNAS NOV 1960
IRE TRANS ANTENNAS&PROPAGATION AP-9 75-81 JAN 1961
BY SWARUP, G. DDC NR. 249515
YANG, K. S. CONTRACT NR. AF 18(603)-53
BRACEWELL R N<PI> PROJ/TASK NR. 9768-37650

AFOSR TN 60-1411
JOHNS HOPKINS UNIV BALTIMORE, MD
ON THE EXISTENCE OF LARGE OR SMALL SOLUTIONS OF LINEAR
DIFFFRENTIAL EQUATIONS NOV 1960
BY HARTMAN, P. DDC NR. 251488
CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1412
GENERAL ELECTRIC CO. CINCINNATI, O
HIGH TEMPERATURE TUNNEL USING PLASMA GENERATORS DEC 1960
BY CASSIDY, J. F. DDC NR. 250782
MARTINEK, F. CONTRACT NR. AF 49(638)-243
GHAI M. L. PROJ/TASK NR. 9781-37713

AFOSR TN 60-1413
CORNELL UNIV ITHACA, NY
BUOYANCY EFFECTS IN FORCED LAMINAR CONVECTION FLOW OVER A
HORIZONTAL FLAT PLATE NOVEMBER 21, 1960
HEAT TRANSFER 479-482 NOV 1961
BY MORI Y DDC NR.
BRADLEY R. <P.I.> CONTRACT NR. AF 49(638)-674
PROJ/TASK NR. 9781-37713

AFOSR TN 60-1414
US BUREAU OF MINES BARTLESVILLE OKLA
A NEW APPROACH TO THE COMBUSTION CALORIMETRY OF
ORGANOSILICON COMPOUNDS. THE HEATS OF COMBUSTION AND
FORMATION OF HEXAMETHYLDISILOXANE NOV 1960
BY GOOD, W. D. DDC NR. 249545
LACINA, J. L. CONTRACT NR. CSO 680-59-9
MCCULLOUGH, J. P. PROJ/TASK NR. 4759-03

AFOSR TN 60-1415
STANFORD UNIV CALIF
INTERFEROMETRY AND THE SPECTRAL SENSITIVITY
ISLAND DIAGRAM NOV 1960
IRE TRANS ON ANTENNAS & PROPAGATION AP9 59-67 JUN 1961
BY BRACEWELL R N DDC NR. 249513
CONTRACT NR. AF 18(603)-53
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1416
CATHOLIC UNIV OF AMERICA WASH D C
CHARACTERISTIC FUNCTIONS AND PARAMETERS IN THE THEORY OF
HYDROGEN OVERPOTENTIAL III GENERAL CONSIDERATIONS
J ELECTROCHEM SOC 108 686-688 JUL 1961
BY CASTELLAN G W DDC NR.
CONTRACT NR. AF 49(638)-475
PROJ/TASK NR. 9761-37600

AFOSR TN 60-1417
MINNESOTA UNIV OF MINNEAPOLIS
HEAT TRANSFER, TEMPERATURE RECOVERY, AND SKIN FRICTION ON A
FLAT PLATE SURFACE WITH HYDROGEN RELEASE INTO A LAMINAR
BOUNDARY LAYER FEB 1961
PRES HEAT TRANS CON MINSK, USSR, JAN 1961
BY ECKERT, E. R. G. DDC NR. 255485
MAYDAY, A. A. CONTRACT NR. AF 49,638#-558
MINKOWYCZ, W. J. PROJ/TASK NR. 9781-37712

AFOSR TN 60-1418
NORTH CAROLINA UNIV OF CHAPEL HILL
BAYES RULES FOR A COMMON MULTIPLE COMPARISON PROBLEM AND
RELATED STUDENT-T PROBLEMS
BY DUNCAN, D. B. DDC NR. 248659
NICHOLSON, G. E.<P.I CONTRACT NR. AF 49(638)-929
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1419
MINNESOTA UNIV MINNEAPOLIS
A COMBINATORIAL LEMMA FOR COMPLEX NUMBERS
ANN MATH STAT 32 901-604 SEP 1961
BY BAXTER, G. E. DDC NR. 248006
CONTRACT NR. AF-AFOSR-61-4
PROJ/TASK NR. 9752-37522

AFOSR TN 60-1420
MELLON INST PITTSBURGH PA
SOLID STATE VIBRATIONAL SPECTRA OF THE METHYL AND
AND METHYL-D HALIDES NOV 1960
BY JACOX M E DDC NR. 2477745
HEXTER R M CONTRACT NR. AF 49(638)-542
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1421
LUND UNIV OF SWEDEN
A STUDY OF ACETYLCHOLINE INDUCED CONTRACTURES IN DENERVATED
MAMMALIAN MUSCLE
ACTA PHARMACOL ET TOXICOL 17 84-93 1960
BY ELMQVIST D DDC NR. 246884
THESLEFF S CONTRACT NR. AF 61(052)-106
9777-37700

AFOSR TN 60-1422
LUND UNIV OF SWEDEN
SUPERSENSITIVITY OF SKELETAL MUSCLE PRODUCED BY BOTULINUM
TOXIN
J PHYSIOL 151 598-607 1960
BY THESLEFF S DDC NR. 246885
CONTRACT NR. AF 61(052)-106
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1423
HEBREW UNIV JERUSALEM ISRAEL
SOME DEVELOPMENTS OF A STUDY OF INDUSTRIAL RELATIONS
IN ISRAEL AUG 1959
4TH SOCIOLOGICAL WORLD CONGRESS STRESA ITALY SEP 1959
BY FOA U G DDC NR. 262106
GUTTMAN L CONTRACT NR. AF 61(052)-121
PROJ/TASK NR. 9778-37707

AFOSR TN 60-1424
MIAMI UNIV OF FLA
POLUNOMIAL INTERPOLATION IN POINTS EQUIDISTRIBUTED ON THE
UNIT CIRCLE NOV 1960
BY CURTISS J H DDC NR. 264052
CONTRACT NR. AF 49(638)-862
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1425
MIAMI UNIV OF FLA
A STOCHASTIC TREATMENT OF SOME CLASSICAL INTERPOLATION
PROBLEMS NOV 1960
FOURTH BERKELEY SYMPOSIUM ON PROBABILITY AND STATISTICS
P79-93
BY CURTISS J H DDC NR. 264018
CONTRACT NR. AF 49(638)-862
PROJ/TASK NR. 9769-37658

AFOSR TN 60-1426
INDIANA UNIV BLOOMINGTON
HIGH RESOLUTION KINETIC SPECTROSCOPY BY A MULTIPLE FLASH
METHOD
J OPT SOC AMER 51 775-779 JUL 1961
BY BAIR E J DDC NR. 253824
KRAMER H CONTRACT NR. AF 18(603)-93
HANES M H PROJ/TASK NR. 9760-37600

AFOSR TN 60-1427
UNIVERSIDAD DE LA REPUBLICA MONTEBIDEO URIGUAY
A PHOTO-OPTIC-ELECTRONIC METHOD FOR THE DETECTION AND
STUDY OF EVOKED POTENTIALS
ACTA NEUROL LATINOAMERICANA 6 163-173 1960
BY HANDLER P DDC NR. 258910
VANZULLI A CONTRACT NR. AF-AFOSR 60-14
BOGACZ J PROJ/TASK NR. 37700-37700
GARCIA-AUSTT E
ARANA-INIZNEZ<P.I.>

AFOSR TN 60-1429
COLUMBIA UNIV NY
SOME COLD WAR EFFECTS OF SPACE ACTIVITIES
BY NEHNEVAJSA J DDC NR. 251886
CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-

AFOSR TN 60-1430
STANFORD UNIV CALIF
NEURAMINIC ACID AND CENTRAL NERVOUS SYSTEM FUNCTION 1960
BY CUTTING W DDC NR. 252438
ELDREDGE N CONTRACT NR. AF 49 (638)-714
READ G PROJ/TASK NR. 9777-37700

AFOSR TN 60-1431
PURDUE UNIV, LAFAYETTE, IND
ON THE EFFECT OF FUEL COMPOSITION ON HIGH FREQUENCY
OSCILLATIONS IN ROCKET MOTORS BURNING PREMIXED HYDROCARBON
GASES AND AIR
ARS 15TH ANN MTG 5-8 DEC 60 WASH DC
BY BONNELL, J. M. DDC NR.
OSBORN, J. R. CONTRACT NR. AF 49(638)-756
ZUCROW M J<PI> PROJ/TASK NR. 9751-37510

AFOSR TN 60-1432
CHICAGO UNIV OF, ILL
THE PRODUCTION OF TRITIONS AND C14 IN THE TERRESTRIAL
ATMOSPHERE BY SOLAR PROTONS
J GEOPHYS RSCH 65 1615-1616 MAY 1960
BY SIMPSON, J. A. DDC NR.
CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1434
MARYLAND UNIV OF COLLEGE PARK
ANALYTICITY IN THE COUPLING CONSTANT AND BOUND STATES IN
POTENTIAL THEORY NOV 1960
BY BOSCO, B. DDC NR. 248970
SUCHER, J. CONTRACT NR. AF 49(638)-24
TOLL J S<PI> PROJ/TASK NR. 9751-37512

AFOSR TR 60-1435
STANFORD UNIV CALIF
EFFECTIVE MOMENTS IN K39 AND K 40 NOV 1960
NUCLEAR BEING SUBMITTED
BY DESHALIT A DDC NR. 249885
SCHIFF L I<PI> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1436
STANFORD UNIV CALIF
PION-NUCLEON SCATTERING IN THE MANDELSTRAM REPRESENTATION
PHYS REV 120 1486-1505 NOV1960
BY FRAUTSCHI S C DDC NR. 249883
WALECKA J D CONTRACT NR. AF 49(638)-388
SCHIFF, L I<P.I.> PROJ/TASK NR. 3750-37500

AFOSR TN 60-1438
JOHNS HOPKINS UNIV BALTIMORE MD
THE ELECTRON AND PROTON, SIGNALS FOR BIOLOGY, A PROSPECTUS
FOR MEDICINE BASED ON ENERGY FLOW ACROSS A BALANCED
SYSTEM OR TRANSDUCER, THE CELL, PREDICTION OF A
CRUCIAL PHOTOCATALYTIC CHAIN 1960
POSTGRADUATE MEDICINE 29 562-567 1961
BY ISAACS J P DDC NR.
LAMB J C CONTRACT NR. AF 49(638)-580
BREWSTER JR W R PROJ/TASK NR. 9777-37702

AFOSR TN 60-1389
ROCHESTER UNIV NY
PRIMARY COSMIC-RAY ALPHA PARTICLES I
NUOVO CIM SER X 19 1090-1099 1961
BY ENGLER A — DDC NR. 260596
KAPLON M F — CONTRACT NR. AF 49(638)-303
KERNAN A — PROJ/TASK NR. 9774-37665
KLARMANN J
FICHTEL C
FRIEDLANDER

AFOSR TN 60-1439
REPUBLIC AVIATION CORP, FARMINGDALE, NY
HE EFFECT OF VARIABLE PLASMA CONDUCTIVITY ON MHD ENERGY
CONVERTER PERFORMANCE OCT 1960
BY COE, W. B. — DDC NR.
EISEN, C. L. — CONTRACT NR. AF 49(638)-552
KUNEN, A. E.(P.I.) — PROJ/TASK NR. 9752-37521

AFOSR TN 60-1440
UPPSALA UNIV OF SWEDEN
APPLICATION OF THE VOLTAGE CLAMP TO THE ELECTROHYDRAULIC
NERVE ANALOG
ACTA SOCIETATIS MEDICORUM UPSALIENSIS 65 231-248 1960
BY TEORELL T — DDC NR. 253938
CONTRACT NR. AF 61(052)-363
PROJ/TASK NR. 9777-37702

AFOSR TN 60-1441
OXFORD UNIV OF ENGLAND
ENZYMIC FORMATION OF CITRAMALATED FROM ACETYL-COENZYME A
AND PYRUVATE IN PSEUDOMONAS OVALIS CHESTER, CATALYSED BY
PYRUVATE TRANSACETASE
BIOCHIM BIOPHYS ACTA 42 371-372 1960
BY GRAY C T — DDC NR. 253838
KORNBERG H L — CONTRACT NR. AF 61 (052)-180
KREBS H A (P.I.) — PROJ/TASK NR. 9777-37704

AFOSR TN 60-1442
INST MAREY FRANCE
ACTIVITES EVOQUEES DANS LE NOYAU CAUDE DU CHAT EN REPONSE A
DES TYPES DIVERS D.AFFERENCES. II. ETUDE MICROPHYSIOLOGIQUE
ELECTROENCEPHALOGRAPHY AND CLIN NEUROPHYSIOL
J 12 649-661 AUG1960
BY ALBE-FESSARD D — DDC NR. 253776
ROCHA-MIRANDA C — CONTRACT NR. AF 61(052)-103
OSWALDO-CRUZ E — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1443
INST MAREY FRANCE
ETUDE MICROPHYSIOLOGIQUE DES PROJECTIONS SENSORIELLES
AU NIVEAU DU CORTEX SUPRASYLVIEN POSTERIEU CHEZ LE CHAT
J PHYSIOL 52 126-127 1960
BY IMBERT M — DDC NR.
FESSARD, D A(P.I.) — CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1444
INST MAREY FRANCE
NEUROPHYSIOLOGIE. REPONSES VISUELLES ET ACOUSTIQUES
AU NIVEAU DU COMPLEXE VENTROMEDIAN POSTERIEUR DU
THALAMUS CHEZ LE CHAT
COMPTES RENDUS 251 1238-1240 SEP1960
BY BUSER P — DDC NR.
BRUNER J — CONTRACT NR. AF 61(052)-103
FESSARD, D A(P.I.) — PROJ/TASK NR. 9777-37700

AFOSR TN 60-1447
ILLINOIS UNIV OF URBANA
RESPONSE TO SIMULTANEOUS STIMULATION OF TWO SENSE
MODALITIES
J EXPER PSYCH 63 198-206 1962
BY ADAMS J A — DDC NR.
CHAMBERS R W — CONTRACT NR. AF 49(638)-371
PROJ/TASK NR. 9778-37706

AFOSR TN 60-1448
SYRACUSE UNIV N Y
SOME DISPOSITIONAL CORRELATES OF CONFORMITY BEHAVIOR
J SOC PSYCH 52 259-268 1960
BY DIVESTA F J — DDC NR. 247072
COX L — CONTRACT NR. AF 18(603)-20
PROJ/TASK NR. 9778-37707

AFOSR TN 60-1449
DUKE UNIV DURHAM NO CAR
STRESS IN THE VICINITY OF A CRACK IN A THICK
ELASTIC PLATE NOV1960
Q APPL MATH 19 119-126 JUL1961
BY LOWENGRUB M — DDC NR. 249909
GERGEN J J (P.I.) — CONTRACT NR. AF 18 (600)-1341
PROJ/TASK NR. 9783-37727

AFOSR TN 60-1450
PURDUE UNIV LAFAYETTE, IND
COMMUTATORS, PERTURBATIONS, AND UNITARY SPECTRA
ACTA MATH 106 215-232 1961
BY PUTNAM, C. R. — DDC NR. 259085
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9752-37522

AFOSR TN 60-1451
BROWN UNIV PROVIDENCE RI
THE DIELECTRIC RELAXATION OF ISOAMYL BROINIDE
J CHEM PHYS 33 639-643 1960
BY GLARUM S H — DDC NR.
COLE, R C(P.I.) — CONTRACT NR. AF 49(638)-31
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1452
BROWN UNIV PROVIDENCE RI
THEORY OF DIELECTRIC RELAXATION
BY GLARUM S H — DDC NR.
COLE, R C(P.I.) — CONTRACT NR. AF 49(638)-31
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1453
NEW YORK UNIV NY
ON THE THOERY OF PLANE STRESS
Q APPL MATH 19 195-203 1961
BY REISS, E. L. — DDC NR.
LOCKE, S. — CONTRACT NR. AF 49(638)-161
STOKER J J(PI) — PROJ/TASK NR. 9782-37717

AFOSR TN 60-1454
AEROJET-GENERAL CORP, AZUSA, CALIF
NOV 1960 CHARGED-COLLOID PROPULSION SYSTEM.
BY EDMONSON, R. B. — DDC NR. 247456
KRETSCHMER, C. B. — CONTRACT NR. AF 49(638)-656
BECKER, L. B. — PROJ/TASK NR. 9752-37521

AFOSR TN 60-1455
PURDUE UNIV LAFAYETTE IND
THE STOICHIOMETRY AND RESISTIVITY OF PROX NOV1960
BY CLIFFORD A F — DDC NR.
FAETH P A — CONTRACT NR. AF 18(603)-45
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1456
MOUNT ZION HOSPITAL SAN FRANCISCO CALIF
A STEROTAXIC TECHNIQUE IN MAN ALLOWING MULTIPLE SPATIAL AND
TEMPORAL APPROACHES IN INTRACRANIAL TARGETS JUN1959
J NEUROSURGERY 708-720 1960
BY FEINSTEIN B — DDC NR. 247720
ALBERTS W W — CONTRACT NR. AF 18(603)-48
WRIGHT JR E W — PROJ/TASK NR. 9777-37700
LEVIN G

AFOSR TN 60-1457
STANFORD UNIV CALIF
CRYSTAL ROTATOR FOR CRYOSTAT NOV 1960
BY WEBB, R. H. — DDC NR. 251923
GRIFFITHS, R. B. — CONTRACT NR. AF 18(600)-131
PAKE G E(PI) — PROJ/TASK NR. 9751-37511

AFOSR TN 60-1458
JOHNS HOPKINS UNIV BALTIMORE, MD.
SOME CORRECTIONS TO THE LINEARIZED RESPONSE OF A CONSTANT-
TEMPERATURE HOT-WIRE ANEMOMETER OPERATED IN A LOW SPEED FLOW
DEC 1960
BY ROSE W. G. — DDC NR.
CORRSIN S. (P.I.) — CONTRACT NR. AF 49(638)-248
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1459
ZATOR CO CAMBRIDGE MASS
A PRELIMINARY REPORT ON A GENERAL THEORY OF INDUCTIVE INFER
ENCE NOV 1960
BY SOLOMONOFF R. J. — DDC NR. 252465
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9769-37659

AFOSR TN 60-1460
MICHIGAN UNIV OF ANN ARBOR
SURFACE METEROGENEITY A MODERN VERSION JAN1961
BY PARRAVANO G — DDC NR. 251068
CONTRACT NR. AF 49(638)-493
PROJ/TASK NR. 9762-37621

AFOSR TN 60-1461
MELLON INST PITTSBURGH PA
NORMAL STRESSES IN SECOND ORDER VISCOELASTICITY DEC1960
TRANS SOC RHEOL V 61-66 1961
BY COLEMAN B D — DDC NR. 248596
NOLL W — CONTRACT NR. AF 49 (638)-541
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1462
GEORGIA INST OF TECHNOLOGY ATLANTA
COUNTER ADAPTOR AND FURNACE FOR WEISSENBERT CAMERA OCT1960
BY YOUNG R A — DDC NR. 253799
CONTRACT NR. AF 49(638)624
PROJ/TASK NR. 9760-37601

AFOSR TN 60-1464
MINNESOTA UNIV OF MINNEAPOLIS
MEASUREMENT OF CONDUCTIVITY AND PERMITTIVITY OF
SEMICONDUCTOR SPHERES BY AN EXTENSION OF THE CAVITY
PERTURBATION METHOD. MICROWAVE CAVITY PERTRUBATION THEORY
FOR SEMICONDUCTING SPHERES NOV1960
IRE TRANS ON MICROWAVE THEORY AND TECHNIQUES
MTT-9 545-551 NOV1961
BY CHAMPLIN K S — DDC NR.
KRONGARD R R — CONTRACT NR. AF 49(638)-747
PROJ/TASK NR. 9763-37631

AFOSR TN 60-1465
MINNESOTA UNIVER OF MINNEAPOLIS
HALL FIELD RELAXATION IN SEMICONDUCTORS WITH HIGH
FREQUENCY
J APPL PHYS 31 1770-1771 OCT 60
BY CHAMPLIN, K S — DDC NR. 252966
CONTRACT NR. AF 49(638)-747
PROJ/TASK NR. 9763-37631

AFOSR TN 60-1466
CORNELL UNIV ITHACA N Y
SECONDARY POSITIVE ION EMISSION FROM PLATINUM
J CHEM PHYS 33 764-769 SEP1960
BY BRADLEY R C — DDC NR. 254117
ARKING A — CONTRACT NR. AF 49(638)-748
BEERS D S — PROJ/TASK NR. 9761-37611

AFOSR TN 60-1467
CINCINNATI UNIV OF O
KINETICS AND MECHANISM OF THE REACTION OF BOROHYDRIDES
WITH WEAK ACIDS NOV1960
BY DESSY R E — DDC NR. 252173
GRANNER JR E — CONTRACT NR. AF 49(638)-824
PROJ/TASK NR. 9760-37600

AFOSR TN 60-1468
MILAN UNIV OF ITALY
ELECTROCHEMICAL BEHAVIOUR OF OXYGEN AND HYDROGEN PEROXIDE ON ALUMINUM TANTALUM AND ZIRCONIUM ELECTRODES DEC1960
BY BIANCHI G, CAPRIOGLIO G, MAZZA F, MUSSINI T
DDC NR. 264718
CONTRACT NR. AF 61<052>-260
PROJ/TASK NR. 9761-37610

AFOSR TN 60-1469
LUND UNIV. SWEDEN
PHOTOMETRIC CHARGE DETERMINATION OF RELATIVISTIC HEAVY PRIMARIES IN COSMIC RADIATION
ARK FOR FYSIK 17 427-440 FEB 1960
BY WALDESKOG. B., MATHIESEN. O.
DDC NR. 253279
CONTRACT NR. AF 61<052>-116
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1470
LUND UNIV. SWEDEN
FEB 1960 DETERMINATION OF THE CHARGE OF RELATIVISTIC HEAVY PRIMARIES IN COSMIC RADIATION BY X-RAY COUNTING AND A COMPARISON WITH PHOTOMETRIC IDENTIFICATION
ARKIV FOR FYSIK 17 441-454 FEB 1960
BY MATHIESEN. O., WOLDESKOG. B.<P.I.>
DDC NR.
CONTRACT NR. AF 61<052>-116
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1471
LUND UNIV. SWEDEN
FEB 1960 ABUNDANCE OF NUCLEI HEAVIER THAN OXYGEN IN THE PRIMARY COSMIC RADIATION
ARKIV FOR FYSIK 17 455-483 FEB 1960
BY KRISTIANSSON. K., MATHIESEN. O., WALDESKOG. B.
DDC NR.
CONTRACT NR. AF 61<052>-116
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1472
LUND UNIV. SWEDEN
FEB 1960 IDENTIFICATION OF NON-RELATIVISTIC HEAVY PRIMARIES IN COSMIC RADIATION BY PHOTOMETRIC MEASUREMENTS IN NUCLEAR EMULSIONS
ARKIV FOR FYSIK 17 485-493 FEB 1960
BY KRISTIANSSON. K., MATHIESEN. O., WALDESKOG. B.
DDC NR.
CONTRACT NR. AF 61<052>-116
PROJ/TASK NR. 9774-37665

AFOSR TN 60-1473
AERONAUTICAL RSCH INST OF SWEDEN
JULY 1959 INTERFERENCE BETWEEN TWO INTERSECTING PERPENDICULA TWO-DIMENSIONAL SUPERSONIC FLOW FIELDS
BY LANDAHL M. T., DROUGGE G. <P.2.>
DDC NR. 252804
CONTRACT NR. AF 61<052>-75
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1474
CALIFORNIA UNIV OF BERKELEY
ON THE PERIODIC MODES OF OSCILLATIONS IN PULSE-WIDTH MODULATED FEEDBACK SYSTEMS NOV 1960
ADME JOURNAL BEEN SUBMITTED FOR POSSIBLE PUBLICATION
BY JURY. E. I., NISHIMURA. T.
DDC NR. 250343
CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1475
POLYTECHNIC INST OF BROOKLYN NY
COMPUTERS IN AUTOMATIC CONTROL SYSTEMS NOV 1960
BY TRUXAL. J. G.
DDC NR. 251128
CONTRACT NR. AF 18 <603>-105
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1476
BELL AIRCRAFT CORP BUFFALO. NY
DETAILS OF A NEW APPROACH TO SAFE FLIGHT-FLUTTER TESTING NOV 1960
BY D-EWART. JR. B. B., FARRELL R. F., ZISFEIN M. B. <P.I.>
DDC NR. 249804
CONTRACT NR. AF 49<638>-749
PROJ/TASK NR. 9782-37718

AFOSR TN 60-1477
US BUREAU OF MINES BARTLESVILLE OKLA
TRIMETHYLALUMINUM. THERMODYNAMIC FUNCTIONS IN THE SOLID AND LIQUID STATES. 0-380° K.. VAPOR PRESSURE. HEAT OF VAPORIZATION AND ENTROPY IN THE IDEAL GAS STATE FEB 61
BY MCCULLOUGH. J. P.
DDC NR. 251623
CONTRACT NR. CSO 680-59-9
PROJ/TASK NR. 4759-03

AFOSR TN 60-1478
AEROJET-GENERAL CORP AZUSA. CALIF
RECOMBINATION KINETICS OF ATOMIC OXYGEN AT ROOM TEMPERATURE
J CHEM PHYS 33 948-949 SEP 1960
BY PETERSEN. H. L., KRETSCHMER. C. B.
DDC NR. 283044
CONTRACT NR. AF 49<638>-540
PROJ/TASK NR. 9750-37501

AFOSR TN 60-1479
PITTSBURGH UNIV OF PA
THE POLYHEDRAL CLATHRATE ICE STRUCTURES IN HIGH HYDRATES OCT1960
BY JEFFREY G A, FEIL D, MCMULLEN R
DDC NR. 246986
CONTRACT NR. AF 49<638>-456
PROJ/TASK NR. 9760-3760

AFOSR TN 60-1480
JOHNS HOPKINS UNIV BALTIMORE. MD
BEAM OPTICS ANALYSIS USING THE IBM 650 NOV 1960
BY SCHLEIN. P. E., PFVSNER A<PI>
DDC NR. 250102
CONTRACT NR. AF 18<603>-143
PROJ/TASK NR. 9750-37500

AFOSR TN 60-1481
STEVENS INST OF TECHNOLOGY HOBOKEN. NJ
PLASMA PHYSICS LECTURE NOTES. CHAPTER I-II
BY SCHMIDT. G., BOSTICK W H<PI>
DDC NR. 248991
CONTRACT NR. AF 49<638>-156
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1482
STEVENS INST OF TECHNOLOGY HOBOKEN. NJ
PLASMA PHYSICS LECTURE NOTES. CHAPTER III - IV 1960
BY SCHMIDT. G., BOSTICK W H<PI>
DDC NR. 249246
CONTRACT NR. AF 49<638>-156
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1483
MASSACHUSETTS INST OF TECHNOLOGY. CAMBRIDGE
HEAT TRANSFER RATES AND INSULATED WALL TEMPERATURES FOR A TRANSPIRATION COOLED HEMISPHERE DEC 1960
BY GOLLNICK. JR. A. F.
DDC NR. 278447
CONTRACT NR. AF 49<638>-245
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1484
MASSACHUSETTS INST OF TECHNOLOGY. CAMBRIDGE
AN EXPERIMENT WITH A TRANSPIRATION-COOLED NOZZLE JUL 1960
BY BERNICKER R. P.
DDC NR. 254260
CONTRACT NR. AF 49.638#-245
PROJ/TASK NR. 9781-37712

AFOSR TN 60-1485
HARVARD UNIV CAMBRIDGE MASS
SPECTROSCOPIC STUDIES ON ORGANOMETALLIC COMPOUNDS. II: INFRA-RED SPECTRA OF PERFLUOROVINYL METAL COMPOUNDS JAN1961
BY STONE F G A, STAFFORD. S L<P.I.>
DDC NR. 250104
CONTRACT NR. AF 49<638>-518
PROJ/TASK NR. 9762-37620

AFOSR TN 60-1486
HARVARD UNIV CAMBRIDGE MASS
CHEMISTRY OF THE METAL CARBONYLS VI II PERFLUOROACYL AND PERFLUOROALKYL DIRIVATIVES OF MANGANESE AND RHENIUM JAN1961
BY STONE F G S, KAESZ H D, KING R B
DDC NR. 250104
CONTRACT NR. AF 49<638>-518
PROJ/TASK NR. 9762-37620

AFOSR TN 60-1487
UTHA UNIV OF SALT LAKE CITY
STUDIES IN DIFFRACTION PART A. WIDE ANGLE DIFFRACTION OF A HALF PLANE PART B. DIFFRACTION PATTERNS OF SLITS OF VARYING WIDTHS DEC 1960
BY TAVENNER. M. S., HARRIS JR F S<PI>
DDC NR. 249245
CONTRACT NR. AF 49<638>-799
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1488
MICHIGAN STATE UNIV EAST LANSING
NOTE CONCERNING RUBY MASER-TYPE HAMILTONIANS
J CHEM PHYS 34 1459-1460 APR1961
BY PARKER P M
DDC NR. 257370
CONTRACT NR. AF 49<638>-894
PROJ/TASK NR. 9751-37511

AFOSR TN 60-1489
TECHNION RSCH AND DEVEL FOUND HAIFA. ISRAEL
OCT 1960 CLASSES OF BIORTHONORMAL SYSTEMS
BY STEINBERG. J.
DDC NR. 254328
CONTRACT NR. AF 61<052>-324
PROJ/TASK NR. 9752-37658

AFOSR TN 60-1490
MARSEILLE UNIV OF FRANCE
NEUROPHYSIOLOGICAL MECHANISMS OF SKILLED MOVEMENTS. ANNUAL SUMMARY REPORT FOR THE PERIOD 1 MAY 1959 THROUGH 30 APR 1960
BY PAILLARD J
DDC NR. 253849
CONTRACT NR. AF 61<052>-95
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1491
STANFORD UNIV CALIF
STANFORD MICROWAVE SPECTROHELIOGRAMS FOR 1960 APRIL DEC 60
CRPL BULLETIN PLAN TO SUBMIT
BY SWARUP. G., BRACEWELL R N<PI>
DDC NR. 249517
CONTRACT NR. AF AFOSR-60-22
PROJ/TASK NR. 9768-37650

AFOSR TN 60-1492
NATIONAL ACADEMY OF SCIENCES WASH DC
PROBLEMS OF THE EVALUATION AND PROCESSING OF THE NUMERICAL DATA OF SCIENCE. FINAL REPORT
BY WADDINGTON G.
DDC NR.
CONTRACT NR. AFPAFOSR-60-22
PROJ/TASK NR. 9769-37659

AFOSR TN 60-1493
KAROLINSKA INST STOCKHOLM SWEDEN
TEMPORAL CHARACTERISTICS OF THYROID ACTIVITY
PHYSIOL REV 39 777-810 OCT 1959
BY SODERBERG U
DDC NR. 248490
CONTRACT NR. AF 61<052>-119
PROJ/TASK NR. 9777-37700

AFOSR TN 60-1494
PENNSYLVANIA UNIV OF PHILADELPHIA
THE EFFECT OF A HYPOTHALAMIC EXTRACT ON THE PLASMA LUTEINIZING HORMONE <LH> ACTIVITY OF THE ESTROGENIZED. OVARIECTOMIZED RAT
ENDOCRINOLOGY 68 1071-1073 1961
BY MCCANN S M, TALEISNIK S
DDC NR. 261726
CONTRACT NR. AF 49.638#-685
PROJ/TASK NR. 9777-37701

AFOSR TN 60-1495
HUMAN SCI RSCH INC ARLINGTON VA
SOCIAL PHENOMENA IN THE POST-NUCLEAR ATTACK SITUATION
BY NORDLIE P G, POPPER R D, LYBRAND W A <P.I.>
DDC NR. 263211
CONTRACT NR. AF 49<638>-549
PROJ/TASK NR. 9779-37735

AFOSR TN 60-1496
HUMAN SCIENCES RSCH INC ARLINGTON VA
OUTLINE OF AN ANALYTIC APPROACH PREDICTING SOCIETAL SYSTEM RECOVERY FROM AN AIR ATTACK
BY LYBRAND W A, ALTMAN I, MCGRATH J E
DDC NR. 255770
CONTRACT NR. AF 49(638)-549
PROJ/TASK NR. 9779-37735

AFOSR TR 58-64
MINNESOTA UNIV OF MINNEAPOLIS
A TECHNIQUE FOR EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER FROM A SURFACE IN SUPERSONIC FLOW AT LARGE-TO FREE-STREAM TEMPERATURE RATIOS JUN 1958
BY BRADFIELD, W. R., HANSON, A. R., SHEPPARD, J. J., LARSON, R. E.
DDC NR. 158252
PROJ/TASK NR. AF 18(603)-16, 1750-77519

AFOSR TR 58-65
PURDUE UNIV LAFAYETTE IND
CONVOLUTION OPERATORS THAT SATISFY THE SPECRRAL THEOREM MAY 1958
BY KRABBLE, G. L.
NR. 158260
PROJ/TASK NR. AF 18(603)-44
PROJ/TASK NR. 4750-47500

AFOSR TR 58-111
HEBREW UNIV JERUSALEM, ISRAEL
DEC 1958. RESEARCH IN THE AREA OF MATHEMATICAL ANALYSIS. TECHNICAL FINAL REPORT, PERIOD, 1 JULY 57 TO 30 SEP 58.
BY DVORETSKY, A.(P.I.)
DDC NR. 210471
CONTRACT NR. AF 61(052)-04
PROJ/TASK NR. 9783-37727

AFOSR TR 58-114
AF OFFICE OF SCIENTIFIC RESEARCH
FLIGHT FLUTTER TESTING SYMPOSIUM (U) CONFIDENTIAL REPORT
BY
DDC NR. 936085
CONTRACT NR.
PROJ/TASK NR. 9783-37728

AFOSR TR 58-123
COLUMBIA UNIV NY
GRAIN BOUNDARY STRESS RELAXATION AND SLIDING. SOLUTES AND INTERACTIONS FINAL REPORT
BY MACHLINE, E S
DDC NR. 202924
CONTRACT NR. AF 18(600)-965
PROJ/TASK NR. 777219751

AFOSR TR 58-132
PROPULSION RSCH SANTA MONICA CALIF
EXPERIMENTAL INVESTIGATION OF THREE DIMENSIONAL ALL SUPERSONIC DIFFUSING CASCADE MAY 1958
BY IURA, T., BEDER, E.
DDC NR. 203712
CONTRACT NR. AF 18(600)-1143
PROJ/TASK NR. 3750-37507

AFOSR TR 58-143
BRIGHAM YOUNG UNIV PROVO, UTAH
AN INVESTIAGTION OF RHENIUM AND ITS COMPOUNDS AS CATALYSTS IN ORGANIC REACTIONS SEP 1958
BY BROADBENT, H S
DDC NR. 204733
CONTRACT NR. AF 18(600)-1164
PROJ/TASK NR. 9761-37610

AFOSR TR 58-145
SOUTHERN CALIFORNIA UNIV OF LA
AN INVESTIGATION OF SHOCK WAVE-BOUNDARY LAYER INTERACTION (CONFIDENTIAL REPORT DECLASSIFIED 18 APR 1960
BY CHUAN, R. L.
DDC NR. 302753
CONTRACT NR. AF 18.600#-1145
PROJ/TASK NR. 1750-17500

AFOSR TR 58-146
ILLINOIS, UNIV OF, URBANA, ILL
FIXED POINTS AND OTHER SPECIAL POINTS AND POINT SETS UNDER IREAL FUNCTION ON A SPACE ADMITTING TWO PERIODIC HOMEOMORPH II FIXED POINTS ON NEIGHBORHOOD RETRACTS REV DE MATH PURES AT APPL 22.# 371-376.M 1957 IIIDEFORMATION AND MAPPIN THEOREMS FUNDAMENTAL MATH 46 285-303 1959 IV MAPS OF SPHERE TO EUCLIDEAN SPACES
BY BOURGIN D G
DDC NR. 205093
CONTRACT NR. AF 18(603)-32
PROJ/TASK NR. 4750-47500

AFOSR TR 58-148
NEW YORK UNIV, NY
CLOSED COLOGICAL SYSTEM DEC 58
BY INGRAM, W T(P.I.)
DDC NR. 162277
CONTRACT NR. AF 18.6038-71
PROJ/TASK NR. 9777-37701

AFOSR TR 58-154
PURDUE UNIV LAFAYETTE IND
MATHEMATICAL THEORY OF THE OPTIMUM TRAJECTORIES OF A ROCKET NOV 1958
BY MIELE, A.
DDC NR. 206361
CONTRACT NR. AF 18(603)-69
PROJ/TASK NR. 3750-37507

AFOSR TR 58-158
CORNELL AERONAUTICAL LABORATORY INC BUFFALO NY
STUDIES OF A PHOTO TYPE WAVE SUPERHEATER FACILITY FOR HYPERSONIC RESEARCH DEC 1958
BY SMITH W E, WEATHERSTON R C, MOORE F K
DDC NR. 207244
CONTRACT NR. AF 18(603)-19
PROJ/TASK NR. 1750-77519

AFOSR TR 58-160
JOHNS HOPKINS UNIV BALTIMORE MD
PHYSICAL BASIS OF CARDIOVASCULAR SOUND AN ANALYTICAL SURVEY FINAL REPORT DEC 1958
BY WISKIND, H K, TALBOT, S A
DDC NR. 207659
CONTRACT NR. AF 18(600)-1337
PROJ/TASK NR. 9777-37701

AFOSR TR 58-161
ILLINOIS INST OF TECHNOLOGY CHICAGO
POLYMERIZATION OF VITREOUS HUMOR SUBSTRATE IN LIGHT AND DARK ADAPTATION DEC 1958
BY SHURRAGER, P S
DDC NR. 207660
CONTRACT NR. AF 18(600)-578
PROJ/TASK NR. 9777-37701

AFOSR TR 58-162
NATIONAL BUREAU OF STANDARDS
ELASTIC SCATTERING OF PHOTONS JAN 1959
BY FULLER, E G, HAYWARD, E
DDC NR. 207250
CONTRACT NR. CSO-680-58-16
PROJ/TASK NR. 9750-37500

AFOSR TR 58-163
CALIF INST OF TECHNOLOGY, PASADENA
STUDIES OF THE DEFORMATION OF SINGLE CRYSTALS OF ZINC UNDER DYNAMIC CONDITIONS NOV 1958
BY CLARK, D S, VREELAND, JR, T
DDC NR. 207598
CONTRACT NR. AF 18(600)-490
PROJ/TASK NR. 9760-37601

AFOSR TR 58-165
JOHNS HOPKINS UNIV BALTIMORE MD
NOV 1958 RESEARCH ON COMBUSTION RATES IN FUEL AEROSOL VAPOR
BY HOELSCHER, H. E.
DDC NR. 208081
CONTRACT NR. AF 18(600)-1176
PROJ/TASK NR. 9751-37510

AFOSR TR 58-166
NOTRE DAME UNIV OF SOUTH BEND IND
SINTERING OF METAL OXIDES JAN 1 1957 TO AUG 31 1958
BY PARRAVANO G
DDC NR. 207974
CONTRACT NR. AF 49(638)-103
PROJ/TASK NR. 9762-37621

AFOSR TR 59-1
ROCKETDYNE CANOGA PARK, CALIF.
RESEARCH ON NITRIC ACID-SUPPORTED COMBUSTION MAR 1959
BY CASALETTO G J
DDC NR. 208301
CONTRACT NR. AF 49(638)-163
PROJ/TASK NR. 9751-37510

AFOSR TR 59-2
TRINITY COLLEGE HARTFORD, CONN.
CONTRIBUTIONS TO THE THEORY OF SERIES OF CHARACTERISTIC FUNCTIONS OF THE DIFFERENTIAL OPERATOR
BY KLIMCZAK W. J.
DDC NR. 261904
CONTRACT NR. AF 18(600)-1397
PROJ/TASK NR. 1750-17501

AFOSR TR 59-3
ILLINOIS STATE GEOLOGICAL SURVEY DIV URBANA
AROMATIC FLUORINE COMPOUNDS DEC 58
BY FINGER G C
DDC NR. 261860
CONTRACT NR. AF 18(600)-985
PROJ/TASK NR.

AFOSR TR 59-4
ARMOUR RSCH FOUND CHICAGO ILL
PROPERTIES OF SULFIDE SEMICONDUCTORS FEB 1959
BY BUTTREY J W
DDC NR. 208757
CONTRACT NR. AF 49(638)-112
PROJ/TASK NR. 9762-37621

AFOSR TR 59-5
VIRGINIA INST FOR SCI RSCH RICHMOND
THE EFFECT OF FOREIGN METALS ON THE CORROSION OF TITANIUM IN BOILING 2MHYDROCHLORIC ACID DEC 1958
BY BUCK III W R, SLOOPE B, LEIDHEISER JR H
DDC NR. 208758
CONTRACT NR. AF 18(600)-1319
PROJ/TASK NR. 9761-37610

AFOSR TR 59-6
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
REVIEW OF UNSTEADY AERODYNAMIC STUDIES IN THE FLUID DYNAMICS RESEARCH GROUP, 1955-1958 DEC
BY KENNET, H, ASHLEY H
DDC NR. 212285
CONTRACT NR. AF18(600)-961
PROJ/TASK NR. 1750-17500

AFOSR TR 59-7
ILLINOIS INST OF TECHNOLOGY CHICAGO
PHOTOCHEMICAL SYNTHESIS OF ENERGY RICH-COMPOUNDS 1 FEB 1957 TO 31 AUGUST 1958
BY SUJISHI S, HIRATA T
DDC NR. 209160
CONTRACT NR. AF 49(638)-48
PROJ/TASK NR. 9762-37620

AFOSR TR 59-8
POLYTECHNIC INST OF BROOKLYN N Y
A REVIEW OF THE WORK PERFORMED AT PIBAL INDER CONTRACT AF18(600)-694 PART 1 ANALYSIS AND ADVANTAGEOUS USE OF INTERFERENCE EFFECTS IN SUPERSONIC FLOWS PART II A METHOD FOR REDUCING HEAT TRANSFER IN HYPERSONIC FLOW (U) CONFIDENTIAL REPORT OCT 1958
BY FERRI A(P.I.)
DDC NR. 304431
CONTRACT NR. AF 18(600)-694
PROJ/TASK NR. 9781-37712

AFOSR TR 59-9
MICHIGAN UNIV OF ANN ARBOR
THE CHEMICAL AND PHYSICAL STRUCTURES OF PBS FILMS IN RELATION TO PHOTOCONDUCITVE SENSITIVITY DEC 1958
BY BROCKWAY L O, WASSERMAN M S, MEYERS E A
DDC NR. 209492
CONTRACT NR. AF 18(600)-175
PROJ/TASK NR. 9761-37611

AFOSR TR 59-10
MIDWEST RSCH INST KANSAS CITY MO
A RADIOACTIVE TRACER INVESTIGATION OF THE MECHANISM OF MOS2 AND WS2 LIBRICATION JUN 1958
BY LAVIK M T, LEVY S L
DDC NR. 209493
CONTRACT NR. AF 49(638)-157
PROJ/TASK NR. 9761-37611

AFOSR TR 59-11
CONVAIR, SAN DIEGO, CALIF.
THERMAL STRESSES IN A SQUARE PLATE WITH A CENTRAL CIRCULAR HOLE SUBJECTED TO AN ARBITRARY TEMPERATURE GRADIENT FEB 1959
BY SUTHERLAND R. D. — DDC NR. 209850
WHITE, JR. F. M. — CONTRACT NR. AF 49(638)-235
PROJ/TASK NR. 9782-37717

AFOSR TR 59-13
CALIFORNIA UNIV OF LOS ANGELES
STUDIES OF THE STRUCTURES OF CRYSTALLINE PERCHLORATES AND RELATED SUBSTANCES JAN 1959
BY TRUEBLOOD K. N. — DDC NR. 210387
CONTRACT NR. AF 18(600)-857
PROJ/TASK NR. 9760-37600

AFOSR TR 59-14
ISTITUTO NAZIONALE DI OTTICA ITALY
BASIC RESEARCH IN THE FIELD OF VISION
NOV 1958 FINAL REPORT
BY TORALDO DI FRANCIA G. — DDC NR. 210473
CONTRACT NR. AF 61(052)-17
PROJ/TASK NR. 9777-37700

AFOSR TR 59-15
NATIONAL BUREAU OF STANDARDS WASH D C
THE RELATION BETWEEN THE ABSORPTION SPECTRA AND THE CHEMICAL CONSTITUTION OF DYES FEB 1959
BY GOULD J. H. — DDC NR. 210474
INSCOE M. N. — CONTRACT NR. CSO-680-57-3
PROJ/TASK NR. 9760-37600

AFOSR TR 59-16
BROWN UNIV, PROVIDENCE R. I.
JUN 1958. PROCEEDINGS OF THE THIRD U. S. NATIONAL CONGRESS OF APPLIED MECHANICS. HELD AT BROWN UNIVERSITY, JUNE 11-14, 1958. ASME, N Y
BY — DDC NR.
CONTRACT NR. NIPR 680-58-4
PROJ/TASK NR.

AFOSR TR 59-17
PRINCETON UNIV N J
RESEARCH ON LAMINAR AND TURBULENT BOUNDARY LAYERS AND TRANSITION AT SUPERSONIC SPEEDS FINAL REPORT SEP 1958
BY BOGDONOFF S(PI) — DDC NR. 264408
CONTRACT NR. AF 18(600)-498
PROJ/TASK NR. 9781-37712

AFOSR TR 59-18
AERONUTRONICS SYSTEMS INC GLENDALE CALIF
PROJECT FAR SIDE, THIOKOL CHEM. CORP, ELKTON DIV
PARTICIPATION PROJ FAR DISE FINAL RPT OF THIOKOL ELKTON DIV
PARTICIPATION 1958 (CONFIDENTIAL REPORT)
BY TAYLOR R — DDC NR. 314403
CONTRACT NR. AF 49(638)-55
PROJ/TASK NR. 4750-47503

AFOSR TR 59-21
ARMOUR RSCH FOUND CHICAGO ILL
EXPERIMENTAL MEANS TO DETERMINE WAVE PROPAGATION PHENOMENA IN SOLIDS. FINAL REPROT FEB 1959
BY DURELLI, A. J. — DDC NR. 211667
DALLY, J. W. — CONTRACT NR. AF18(603)144
NIIRO, T. — PROJ/TASK NR. 9782-37717
RILEY W. F.

AFOSR TR 59-22
PRINCETON UNIV N J
DIELECTRIC INVESTIGATION OF POLAR MOLECULES IN LIQUIDS AND SOLIDS 1 NOV 1954 TO 31 DEC 1958
BY SMYTH C. P. — DDC NR. 211668
CONTRACT NR. AF 18(600)-1331
PROJ/TASK NR. 9760-37600

AFOSR TR 59-24
LIEGE UNIV OF BELGIUM
RESEARCH ON NUCLEAR QUADRUPOLE RESONANCE IN SOLIDS. TECHNICAL MAR 1959 FINAL REPORT.
BY DUCHESNE J. — DDC NR. 211608
CONTRACT NR. AF 61(514)-1212
PROJ/TASK NR. 9760-37600

AFOSR TR 59-25
NATIONAL BUREAU OF STANDARDS, WASH D C
A HENNATION COFFFICIENTS OF HIGH ENERGY X-RAYS MAY 1959
BY ROCH W — DDC NR. 211761
WYCKOFF J M — CONTRACT NR. CSO-680-57-2
PROJ/TASK NR. 9751-37512

AFOSR TR 59-26
TECHNICAL RSCH GROUP, INC.
RESEARCH ON NUCLEAR MAGNETIC RESONANCE TECHNIQUES FEB 1959
BY NEWSTEIN M. — DDC NR. 212008
GOLDMUNTZ L(PI) — CONTRACT NR. AF 18(600)-1313
PROJ/TASK NR. 9768-37650

AFOSR TR 59-27
PALERMO UNIV OF ITALY
RESEARCH ON CRYSTAL PLASTICITY FINAL REPORT JAN 1959
BY AROAV D. A. — DDC NR. 212257
CONTRACT NR. AF 61(514)-1078
PROJ/TASK NR. 9760-37601

AFOSR TR 59-29
ST. LOUIS UNIV MO
I. CRITICAL ANALYSIS AND APPLICATIONS OF A QUASI-RESONANT THEORY OF PRESSURE BROADENING OF LINEAR MOLECULES. II. COLLISION BROADENIRG IN THE MICROWAVE SPECTRA OF SYMMETRIC TOP MOLECULES MAY 1959
I. J. MOLECULAR SPECT. 2,558-565, DEC 1958
BY KIEFFER L. J. — DDC NR. 212702
BROERMAN J. G. — CONTRACT NR. AF 18(600)-1590
BUSHKOVITCH A. V. — PROJ/TASK NR. 9768-37650

AFOSR TR 59-30
MINNESOTA UNIV OF MINNEAPOLIS
INCLUSION COMPLEXES IN SOLUTION FINAL REPORT 1958
BY SCHLENK H. — DDC NR. 212924
CONTRACT NR. AF 18(603)-18
PROJ/TASK NR. 9777-37702

AFOSR TR 59-31
CINCINNATI UNIV OF OHIO
STUDIES OF THE DIELECTRIC PROPERTIES OF INSULATING LIQUIDS FEB 1959
BY ISH-SHALOM M — DDC NR. 244645
GOOD R J(PI) — CONTRACT NR. AF 49(638)-271
PROJ/TASK NR. 9768-37650

AFOSR TR 59-32
FREE UNIV OF BRUSSELS BELGIUM
VAPORIZATION OF COMPOUNDS AND ALLOYS AT HIGH TEMPERATURE JAN 1959
BY GOLDFINGER P — DDC NR. 212980
ACKERMAN M — CONTRACT NR. AF 61(052)-19
JEUNEHOMME M — PROJ/TASK NR. 9761-37611

AFOSR TR 59-33
MICHIGAN UNIV ANN ARBOR
THERMOPELASTICITY AND VISCO-ELASTICITY IN STRUCTURES FEB 1959
BY NAGHDI P. M. — DDC NR. 212470
CONTRACT NR. AF 18(603)-47
PROJ/TASK NR. 9782-37717

AFOSR TR 59-34
COPENHAGEN UNIV OF DENMARK
STUDY OF THE ORGANIZATION OF THE VISUAL SYSTEM IN RESPECT TO COLOR. FINAL TECHNICAL REPORT JAN-DEC 58,JAN 1959
BY LENNOX M. A. — DDC NR. 213037
CONTRACT NR. AF 61(514)-1194
PROJ/TASK NR. 9777-37700

AFOSR TR 59-35
GAUSTAD MENTAL HOSPITAL OSLO NORWAY
AIRBORNE EEG RECORDING IN HIGH PERFORMANCE AIRCRAFT, SEP 1958
WORLD CONGRESS OF AVIATION MEDICINE BRUSSELS, BELGIUM 25 SEP, 58
BY SEM-JACOBSEN C. W. — DDC NR. 213038
NILSENG O. — CONTRACT NR. AF 61(514)-1201
PATTEN C. — PROJ/TASK NR. 9777-37700
ERIKSEN J.

AFOSR TR 59-36
LOUVAIN UNIV OF BELGIUM
DETERMINATION OF ACTIVATION ENERGY AND REACTION ORDER IN PREMIXED LAMINAR FLAMES FEB 1959
BY VAN TIGGELEN A. — DDC NR. 213039
SLOOTMAEKERS P. J. — CONTRACT NR. AF 61(514)-1245
DEJAEGERE S. — PROJ/TASK NR. 9751-37510
VANDENABEELE H.

AFOSR TR 59-37
COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL, PARIS, FRANCE
RESEARCH ON RECOMBINATION PROCESSES IN SEMI-CONDUCTOR MAR 1959
BY — DDC NR. 230185
AIGRAIN P(PI) — CONTRACT NR. AF 61(052)-100
PROJ/TASK NR. 9763-37631

AFOSR TR 59-38
WISCONSIN UNIV OF MADISON
THE STEREOCHEMISTRY OF RADICAL ADDITIONS. IV. THE RADICAL ADDITION OF HYDROGEN BROMIDE AND DUETERIUM BROMIDE TO CIS AND TRANS 2-BROMO-2BUTENE MAY 1959
BY GOERING H. L. — DDC NR. 213866
LARSEN D. W. — CONTRACT NR. AF 18(600)-1037
PROJ/TASK NR. 9760-37600

AFOSR TR 59-39
PISA UNIV OF ITALY
RESEARCH ON THE RELATION OF THE BRAIN STEM RETICULAR FORMATION TO ANIMAL BEHAVIOR 1958
BY MORUZZI G. — DDC NR. 214193
CONTRACT NR. AF 61(514)-1125
PROJ/TASK NR. 9777-37700

AFOSR TR 59-42
BUREAU OF MINES BARTLESVILLE OKLA
PVT AND COMBUSTION STUDIES ON FLUOROCARBONS, 1 DEC 58 TO MAR 1 1959
BY DOUSLIN D. R. — DDC NR. 214510
GOOD W. D. — CONTRACT NR. CSO 680-57-4
SCOTT D. W. — PROJ/TASK NR. 7772-19750
WADDINGTON G.
MCCULLOUGH J P

AFOSR TR 59-43
PRINCETON UNIV N J
THE OXIDATION OF METALS AND ALLOYS DEC 1958
BY BIRCHENALL C. E. — DDC NR. 214525
BORG R. J. — CONTRACT NR. AF 18(600)-967
PROJ/TASK NR. 7772-19751

AFOSR TR 59-44A
FREE UNIV OF BRUSSELLS BELGIUM
IRREVERSIBLE PROCESSES IN GASES. V.I. STATISTICAL MECHANICS AND THERMODYNAMICS OF IRREVERSIBLE PROCESSES APR 1959
NON-EQUILIBRIUM STATISTICAL MECHANICS BY I. PRIGOGINE JOHN WILEY 1962
BY PRIGOGINE I. — DDC NR. 214526
CONTRACT NR. AF 61(514)-957
PROJ/TASK NR. 9751-37511

AFOSR TR 59-44B
FREE UNIV OF BRUSSELS BELGIUM
IRREVERSIBLE PROCESSES IN POLYATOMIC GASES. V.II. STATISTICAL MECHANICS AND THERMODYNAMICS OF IRREVERSIBLE PROCESSES APR 1959
NON-EQUILIBRIUM STATISTICAL MECHANICS BY I PRIGOGINE JOHN WILEY 1962
BY PRIGOGINE I. — DDC NR. 214527
CONTRACT NR. AF 61(514)-957
PROJ/TASK NR. 9751-37511

AFOSR TR 59-44C
FREE UNIV OF BRUSSELS BELGIUM
QUANTUM MECHANICS OF IRREVERSIBLE PROCESSES. V.III.
STATISTICAL MECHANICS AND THERMODYNAMICS OF IRREVERSIBLE
PROCESSES. APR 1959
NON-EQUILIBRIUM STATISTICAL MECHANICS BY I PRIGOGINE
JOHN WILEY 1962
BY PRIGOGINE I. DDC NR. 214528
CONTRACT NR. AF 61<514>-957
PROJ/TASK NR. 9751-37511

AFOSR TR 59-44D
FREE UNIV OF BRUSSELS BELGIUM
ELECTRODIFFUSION. V.IV. STATISTICAL MECHANICS AND
THERMODYNAMICS OF IRREVERSIBLE PROCESSES. APR 1959
NON-EQUILIBRIUM STATISTICAL MECHANICS BY I PRIGOGINE
JOHN WILEY 1962
BY PRIGOGINE I. DDC NR. 214529
CONTRACT NR. AF 61<514>-957
PROJ/TASK NR. 9751-37511

AFOSR TR 59-45
TECHNISCHE HOCHSCHULE BRAUNSCHWEIG, GERMANY
THEORETICAL AND EXPERIMENTAL CASCADE FLOW INVESTIGATIONS
AT HIGH SUBSONIC MACH NUMBERS- JUN 1959
BY HOPKES U DDC NR. 214810
SCHLICHTING H CONTRACT NR. AF 61<052>105
PROJ/TASK NR. 9781-37712

AFOSR TR 59-46
JOHNS HOPKINS UNIV BALTIMORE, MD.
SHOCKWAVE TURBULENCE INTERACTION---INVESTIGATION IN A SHOCK
TUBE MAY 1959
BY WERNER J DDC NR. 214847
CLAUSER F H <P.I.> CONTRACT NR. AF 18 <600>-757
PROJ/TASK NR. 1750-17500

AFOSR TR 59-47
MADRID UNIV OF SPAIN
STUDIES OF THERMAL MOTION IN CRYSTALS. TECHNICAL
TECHNICAL<FINAL> REPORT 15 DECEMBER 1956 TO 15 DECEMBER
1958. APR 1959
BY AMOROS J L DDC NR. 215061
CONTRACT NR. AF 61<514>-1146
PROJ/TASK NR. 9763-37631

AFOSR TR 59-48
OXFORD UNIV OF ENGLAND
ACETATE METABOLISM IN MICROORGANISMS. TECHNICAL
<FINAL> REPORT. DURING PERIOD 1 FEB 57 - X 31JAN 59.
4C.ONLY REC-D. 1 DIV 1 ASTIA 1 DOC FILE 1 CONTR FILE
BY KREBS H A DDC NR. 215261
CONTRACT NR. AF 61<514>-1180
PROJ/TASK NR. 9777-37702

AFOSR TR 59-49
MICHIGAN UNIV OF, ANN ARBOR
ASYMPOTOTIC SOLUTION OF ORDINARY DIFFERENTIAL
EQUATIONS APR 1959 FINAL REPORT
BY KAZARINOFF N. D. DDC NR. 215714
CONTRACT NR. AF 49<638>-192
PROJ/TASK NR. 1750-17501

AFOSR TR 59-51
SUNDSTRAND CORP, ROCKFORD ILL
FOURTH SYMPOSIUM ON COMBUSTIIN INSTABILITY IN
LIQUID PROPELLANT ROCKET MOTORS <U> CONFIDENTIAL REPORT
BY LANGLOIS R G DDC NR. 307046
BIXSON L L CONTRACT NR. AF 18<603>-107
PROJ/TASK NR. 9751-37510

AFOSR TR 59-53
NATIONAL ACADEMY OF SCIENCES WASH D C
URSI 12TH GENERAL ASSEMBLY - 22 AUG-5 SEP 1957
BY DDC NR.
CONTRACT NR. AF 49<638>-183
PROJ/TASK NR. 9774-37663

AFOSR TR 59-54
DUBLIN INST FOR ADVANCED STUDIES IRE
RATE OF EXTENSIVE SHOWERS OF HIGH ELECTRON DENSITY AT
SEA LEVEL NOV 1958
BY CUSKER, C B A<P.I.> DDC NR. 216623
CONTRACT NR. AF 61<514>-1164
PROJ/TASK NR. 9774-37665

AFOSR TR 59-55
SMITH COLLEGE NORTHAMPTON MASS
A THEORETICAL STUDY OF THE RLATIONSHIP BETWEEN THE
PROPERTIES OF A SOLID AND CHARACTERISTICS OF ITS
CONSTITUENT PARTICLES. APR 1959
BY DURHAM G S DDC NR. 216254
SODERBERG B A CONTRACT NR. AF 18<600>-775
ROTHMAN E B PROJ/TASK NR. 9763-37631

AFOSR TR 59-58
MOUNT ZION HOSPITAL SAN FRANCISCO, CALIF
STUDIES OF THE RELATIONSHIPS BETWEEN NEUROPHYSIOLOGICAL
AND BEHAVIORAL PROCESSES IN MAN. JUL 1959
BY FFINSTFIN R DDC NR. 216107
ALBERT W W CONTRACT NR. AF 18<603>-48
WRIGHT E W PROJ/TASK NR. 9777-37700
LEVIN G

AFOSR TR 59-59
TECHNISCHE HOCHSCHULE, STUTTGART GERM
INVESTIGATION OF THREE DIMENSIONAL RTEX
INSTABILITY FEB 1959
BY WORTMANN F X DDC NR. 216624
WEISE A CONTRACT NR. AF 61<514>-897
PROJ/TASK NR. 9781-37712

AFOSR TR 59-60
CONSEJO SUPERIOR DE INV CIENTIFICAS MADRID, SPAIN
MAY 1959. SEMI-ANALYTICAL FUNCTIONS IN CONVEX REGIONS
BY LLOSA R, SAN JUAN DDC NR. 230201
CONTRACT NR. AF 61<514>-1254
PROJ/TASK NR. 9783-37727

AFOSR TR 59-61
JOHNS HOPKINS UNIV BALTIMORE MD
THEORETICAL STUDIES OF INTENSITY, LINE WIDTH AND LINE
SHAPE IN RESOLVED INFRARED SPECTRA JUL 1959
BY BENEDICT W S DDC NR. 254224
CONTRACT NR. AF 18<600>-1557
PROJ/TASK NR. 9768-37650

AFOSR TR 59-62
AEROJET-GENERAL CORP, AZUSA, CALIF
INVESTIGATION OF ATOMIC-OXYGEN RECOMBINATION
RATES - MAY 1959
BY KRETSCHMER C. B. DDC NR. 217008
CONTRACT NR. AF 49<638>-111
PROJ/TASK NR. 9752-37520

AFOSR TR 59-63
BROWN UNIV PROVIDENCE R I
STATUS REPORT ON RECRYSTALLIZATION TO MARCH 31, 1959
APR 1959
BY LIEBMANN B G DDC NR. 217009
ELBAUM C CONTRACT NR. AF 49<638>-479
PROJ/TASK NR. 9760-37601

AFOSR TR 59-64
TECHNION RSCH. & DEVED. FOUND HAIFA ISRAEL
ON ROTATIONAL FLOW PAST THICK AIRFOILS FEB 1959
BY KOGAN A. DDC NR. 217033
CONTRACT NR. AF 61<052>-06
PROJ/TASK NR. 9781-37712

AFOSR TR 59-65
AEROJEC-GENERAL CORP AZUSA, CALIF
THEORETICAL AND EXPERIMENTAL STUDIES OF GAS
DYNAMICS - JUN 1959
BY SATO K. DDC NR. 264247
ZWICK S A CONTRACT NR. AF 49<638>-252
PROJ/TASK NR. 9751-37510

AFOSR TR 59-66
NEW MEXICO UNIV ALBURQUERQUE
DECISIONS, VALUES AND GROUPS PERGAMON 1960
BY WILLNER ED D. K. DDC NR.
BENEDETTI D T CONTRACT NR. AF 49<638>-33
PROJ/TASK NR. 9778-37707

AFOSR TR 59-67
RUTGERS NEW BRUNSWICK N J
PHOTOTHERMOGRAPHIC SENSITIZATION OF MERCUROUS
OXALATE BY MERCUROUS AND SILVER IODIDES
3,*215-220,* SEP OCT 1959
BY GILMAN P B DDC NR. 217410
VAN DER MEULEN P A CONTRACT NR. AF 18<600>-1150
PROJ/TASK NR. 9762-37620

AFOSR TR 59-68
INST NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN
COMBUSTION OF SPRAYS, DROPLETS AND FLAMES.
FINAL REPORT FEB 1959
BY MILLAN G. DDC NR. 217815
CONTRACT NR. AF 61<514>-997
PROJ/TASK NR. 9751-37510

AFOSR TR 59-69
IMPERIAL COLLEGE OF LONDON SCI AND TECHNOLOGY ENGLAND
THERMODYNAMICS OF MOLTEN ALLOYS APR 1959
BY CHENG L DDC NR. 217816
RICHARDSON F D CONTRACT NR. AF 61<514>-1179
PROJ/TASK NR. 9760-37600

AFOSR TR 59-70
JOHNS HOPKINS UNIV BALTIMORE MD
RESEARCH IN DIFFERENTIAL EQUATIONS JUN 1959
BY LEWIS, JR. D. C. DDC NR. 225355
CONTRACT NR. AF 18<600>-665
PROJ/TASK NR. 9750-17501

AFOSR TR 59-71
JOHNS HOPKINS UNIV BALTIMORE MD
DEVELOPMENT OF AN AUTOMATIC METHOD FOR THE DETERMINATION
OF HEAT CAPACITIES OF ORGANIC LIQUIDS AND THEIR RECORDING ON
PUNCH CARDS JUN 1959
BY ANDREWS D H DDC NR. 218785
CONTRACT NR. AF 18<600>-765
PROJ/TASK NR. 9763-37630

AFOSR TR 59-72
NEW YORK UNIV N Y
THE SCATTERING OF ELECTRONS BY FREE ELECTRONS JAN 1959
BY SHADOWITZ A. DDC NR. 218069
NOKTAREDES -. CONTRACT NR. AF 18<600>-950
SHAMOS M H PROJ/TASK NR. 9767-47501

AFOSR TR 59-74
ANTIOCH COLLEGE YELLOW SPRING O
THE PHYSICAL CHEMISTRY OF WATER SOLUTIONS AT HIGH
TEMPERATURES AND PRESSURES JUN 1959
BY CORWIN J T DDC NR. 220103
CONTRACT NR. AF 18<600>-1490
PROJ/TASK NR. 9760-37600

AFOSR TR 59-75
ILLINOIS UNIV OF URBANA
ELECTRO DEPOSITION OF RARE-EARTH METALS FROM A QUEOUS AND
NON-AQUEONS SOLUTIONS JUL 1959
BY MOELLER T DDC NR. 220100
CULLEN G W CONTRACT NR. AF 18<600>-1535
GALASYN V D PROJ/TASK NR. 9760-37600
SMITH D S
GRIFFIN G C
XAVIER J
ZIMMERMAN P A
AFTANDILIAN V D

AFOSR TR 59-76
MODENA UNIV OF ITALY
BASIC RESEARCHES IN METAL CORROSION APR 1959
BY BIANCHI G
DDC NR.
CONTRACT NR. AF 61<052>-85
PROJ/TASK NR. 9761-37610

AFOSR TR 59-77
LYONS UNIV OF FRANCE
NEUROPHYSIOLOGICAL MECHANISMS OF LEARNING JUN 1959
BY JOUVET M
DDC NR. 218389
CONTRACT NR. AF 61<514>-1206
PROJ/TASK NR. 9778-37708

AFOSR TR 59-78
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HEAT TRANSFER IN DISSOCIATED COMBUSTION GASES JUL 1959
BY CUTTING, J. C.
FAY, J. A.
HOGAN, W. T.
MOFFATT W. C.
DDC NR. 220754
CONTRACT NR. AF 49<638>-375
PROJ/TASK NR. 9781-37712

AFOSR TR 59-79
ILLINOIS UNIV OF URBANA
COMPARATIVE STUDY OF THE EFFECT OF THE ADDITION OF VARIOUS FATS, STEARIC ACID, AND NIACIN TO THE DIET ON SERUM CHOSESTEROL LIVER AND ARTERIAL LIPIDS AND ATHEROMATOSIS IN THE CHICKEN JUL 1959
BY IVY AC
KARVINEN E
LIN T M
PRASAD C R
SETTY C S N
DDC NR. 219391
CONTRACT NR. AF 49<638>-242
PROJ/TASK NR. 9777-37701

AFOSR TR 59-80
WESTINGHOUSE ELECTRIC CORP, PITTSBURGH, PA
CLEANUP OF GASES BY IONIC PUMPING ON METAL SURFACES AND A STUDY OF THEIR SPONTANEOUS REEMISSION FROM THESE SURFACES MAY 1959
BY CARMICHAEL J. H.
DDC NR. 219190
CONTRACT NR. AF 18<600>-1049
PROJ/TASK NR. 9767

AFOSR TR 59-81
MICHIGAN UNIV OF ANN ARBOR
STRONG LUMINOUS SHOCKS PRODUCED IN SHOCK TUBES JUL 1959
BY LAPORTE O
DDC NR.
CONTRACT NR. AF 18<600>-983
PROJ/TASK NR. 9767-37506

AFOSR TR 59-84
MICHIGAN UNIV OF ANN ARBOR
SOME DETAILS OF THE TRANSITION TO TURBULENT FLOW IN POISEUILLE FLOW IN A TUBE JUN 1959
BY RAMAN K. R.
KUETHE A. M.
DDC NR. 232746
CONTRACT NR. AF 18<603>-34
PROJ/TASK NR. 9781-37712

AFOSR TR 59-88
CALIFORNIA UNIV OF BERKELEY
ARC IMAGE FURNACE FINAL REPORT MAY 1959
BY HORNING D O
PARKER E R
DDC NR. 220856
CONTRACT NR. AF 18<603>-123
PROJ/TASK NR. 9763-37631

AFOSR TR 59-89
SYRACUSE UNIV N Y
STUDY OF THE MIGRATION AND DESORPTION OF A DIMORPHIC ADSORBATE USING THE FIELD EMISSION MICROSCOPE,* TITANIUM ON TUNGSTEN FINAL REPORT JUN 1959
BY ARBOTT R C
RUSSELL A H
TRISCHKA J W
DDC NR. 220827
CONTRACT NR. AF 49<638>-93
PROJ/TASK NR. 9763-37631

AFOSR TR 59-91
ILLINOIS INST OF TECHNOLOGY CHICAGO
AN INVESTIGATION OF FATIGUE PHENOMENA IN METALS BY MEANS OF A RECRYSTALLIZATION TECHNIQUE FINAL REPORT APR 1961
BY PETERSON J L
POLAKOWSKI N H
HUGGIN
DDC NR. 220924
CONTRACT NR. AF 18<603>-68
PROJ/TASK NR. 9760-37601

AFOSR TR 59-92
OSLO UNIV NORWAY
THEORETICAL RESEARCHES IN MAGNETO-HYDRODYNAMICS JUN 1959
BY HOLTER O
JENSEN E
KILDAL A.
KNOFF J B
VOYENLI K.
DDC NR. 219370
CONTRACT NR. AF 61<052>-49
PROJ/TASK NR. 9774-37663

AFOSR TR 59-93
HOSPITAL HENRI-ROUSSELLE PARIS FRANCE
RELATION OF THE VISCERAL AFFERENTS ON THE ACTIVITY OF THE BRAIN STEM RETICULAR FORMATION JUL 1959
PT 1 CONTROL OF AFFERENT SOMATIC SYSTEMS BY RETICULAR AND CORTICAL ACTIVITIES
PT 2 CENTRAL EFFECTS OF HYPOXIA AND THEIR CONSEQUENCES IN THE FIELD OF BIGILANCE AND MUSCULAR TONE
BY DELL P C
DDC NR. 219422
CONTRACT NR. AF 61<052>-45
PROJ/TASK NR. 9777-37700

AFOSR TR 59-94
AF OFFICE OF SCIENTIFIC RESEARCH
1958 VISTAS IN ASTRONAUTICS II, SECOND ANNUAL ASTRONAUTICS SYMPOSIUM, DENVER COLO, APR 1958, M ALPERIN, H F GREGORYIED PERGAMON PRESS NY 1959
BY
DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR TR 59-95
TECHNISCHE HOCHSCHULE, HANNOVER, GERMANY
JUN 1959, DYNAMICS OF STRUCTURES BY TRANSFER MATRICES
BY PESTEL E.
DDC NR. 226677
CONTRACT NR. AF 61<052>-33
PROJ/TASK NR. 9782-37717

AFOSR TR 59-97
LITTON INDISTRIES BEVERLY HILLS, CALIF
HIGH-VACUUM FRICTION MAR 1959
BY HANSEN S.
DDC NR. 227352
CONTRACT NR. AF 49<638>-343
PROJ/TASK NR. 9774-37664

AFOSR TR 59-98
ILLINOIS UNIV OF URBANA
RESEARCH ON CHEMISTRY AND ELECTROCHEMISTRY OF RARE-EARTH METAL SALTS IN BASIC SOLVENTS - FINAL REPORT JUN 1959
BY MOELLER T
CULLEN G W
GALASYN V O
SMITH D S
ZAVIER G J
DDC NR. 218112
CONTRACT NR. AF 18<600>-1535
PROJ/TASK NR. 9760-37600

AFOSR TR 59-99
ROCKETDYNE CANOGA PARK CALIF
ION ROCKET STUDY PROGRAM <U> JUN 1959
BY BODEN R H
DDC NR.
CONTRACT NR. AF 49<638>-344
PROJ/TASK NR. 3750-37507

AFOSR TR 59-100
HEBREW, JERUSALEM ISRAEL UNIV
RESEARCH IN THE AREA OF MATHEMATICAL ANALYSIS AUG 1959
BY AGMON S.
DDC NR. 232061
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9783-37727

AFOSR TR 59-101
PURDUE UNIV LAFAYETTE IND
SYMPOSIUM ON THE CHEMISTRY OF THE LESS FAMILIAR ELEMENTS AUG 1959
BY PERLMAN I
COBBLE J W
DDC NR. 226190
CONTRACT NR. AF 49<638>-233
PROJ/TASK NR. 9760-37600

AFOSR TR 59-102
DUKE UNIV DURHAM N C
BASIC MECHANISMS INVOLVED IN VASODEPRESSOR FAINTING FINAL REPORT AUG 1959
BY WARREN J V
DDC NR. 225127
CONTRACT NR. AF 18<600>-1542
PROJ/TASK NR. 9777-37701

AFOSR TR 59-103
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURCEN APR 1959 MORPHOLOGY
BY HELLUND E J
DUCATI A C
DDC NR. 227933
CONTRACT NR. AF 49<638>-332
PROJ/TASK NR. 4750-47503

AFOSR TR 59-104
PLASMADYNE CORP, SANTA ANA, CALIF
FUNDAMENTAL INVESTIGATIONS OF ELECTRICAL POWER SOURCES APR 1959 V.7 BIBLIOGRAPHIES
BY FIFE, H.
DUCATI A C<P.I.>
DDC NR. 227934
CONTRACT NR. AF 49<638>-332
PROJ/TASK NR. 4750-47503

AFOSR TR 59-105
INST. DE RECH SCI & TECH CENTRE GUEST, FRANCE
1959, RESEARCH ON EXPERIMENTAL INVESTIGATION OF VARIABLE CIRCULATION AROUND AN ASPIRATE CYLINDER
BY PONCIN H <P.I.>
DDC NR. 162109
CONTRACT NR. AF 61<514>-1379
PROJ/TASK NR. 9781-37712

AFOSR TR 59-106
MICHIGAN UNIV OF ANN ARBOR
APPLICATION OF LOGIC TO THE DESIGN OF COMPUTING MACHINES FINAL REPORT - AUG 1959
BY BURKS A. W.
WANG H.
HOLLAND J.
DDC NR. 226604
CONTRACT NR. AF 18<603>-72
PROJ/TASK NR. 4750-47500

AFOSR TR 59-108
STANFORD UNIV CALIF
AERONAUTICS AND ASTRONAUTICS
PROCEEDINGS OF THE DURAND CENTENNIAL CONFERENCE AUGUST 5 - 8 1959
ALSO IN BK COLLECTION YL 787 D94 1959
BY HOFF N J
VINCENTI W G
DDC NR. 253799
CONTRACT NR. AF 49<638>-671
PROJ/TASK NR. 9781-37713

AFOSR TR 59-109
OHIO STATE UNIV COLUMBUS
RESEARCH ON SOLID STATE PROPERTIES OF METALLIC CERAMIC AND ELECTRONIC MATERIALS MISPRINTED AFOSR TR 59-769
SEP 1959
BY HARRIS P M
DDC NR. 228575
CONTRACT NR. AF 18<600>-769
CONTRACT NR. AF 49<638>-397
PROJ/TASK NR. 9751-7772
PROJ/TASK NR. 9760-02

AFOSR TR 59-111
MINNESOTA UNIV OF MINNEAPOLIS
BLUFF-BODY FLAME STABILIZATION AT LOW PRESSURES JUL 1959
PROC 6TH TECH CONF ROSE MOUNT AERO LABS, RPT>165, 1959, PP 25-01T025-14 SYMP >200
BY CHANG C. C.
ENGHOLM G.
ZACHO L. H.
DDC NR. 226869
CONTRACT NR. AF 18<600>-1553
PROJ/TASK NR. 9751-37510

AFOSR TR 59-112
PENNSYLVANIA UNIV OF PHILADELPHIA
MATHEMATICS OF SMOOTHING OPERATIONS FINAL REPORT AUG 1959
BY SCHOENBERG I. J.
DDC NR. AF 18<600>-1158
PROJ/TASK NR. 3750-19752

AFOSR TR 59-114
MINNESOTA UNIV OF MINNEAPOLIS
A MODIFICATION OF THE METHOD OF FLASH PHOTOLYSIS AND ITS APPLICATION TO THE STUDY OF LABILE INTERMEDIATES IN REACTIONS SENSITIZED BY COMPLEX MOLECULES AUG 1959
BY LIVINGSTON R — DDC NR. 225663 — CONTRACT NR. AF 18(600)-1485 — PROJ/TASK NR. 9763-37630

AFOSR TR 59-115
UNIV COLLEGE CORK IRELAND
RESEARCH ON PROPERTIES OF THE COEFFICIENTS IN FOURIER SERIES WITH GAPS JUN 1959
BY KENNEDY P. B. — DDC NR. 226390 — CONTRACT NR. AF 61(514)-1399 — PROJ/TASK NR. 9769-37658

AFOSR TR 59-119
POLITECNICO DI TORINO ITALY
EFFECTS OF AIR DISSOCIATION AND IONIZATION AT HYPERSONIC SPEED. JUL 1959
BY JARRE G; FERRARI C — DDC NR. 225765 — CONTRACT NR. AF 61(514)-1124 — PROJ/TASK NR. 9781-37712

AFOSR TR 59-120
TORONTO UNIV OF CAN
PRESSURE PROBES IN FREE MOLECULE FLOW AUG 1959
BY ENKENHUS K. R.; HARRIS E. L.; PATTERSON G. N. — DDC NR. 240553 — CONTRACT NR. AF 18(600)-1185 — PROJ/TASK NR. 9781-37712

AFOSR TR 59-121
STANFORD UNIV CALIF
KINETICS OF NITRIC ACID DECOMPOSITION IN HIGH TEMPERATURE SHOCK TUBE JUL 1959
BY HARDWICK E R; HARRISON T; JOHNSTON H S — DDC NR. — CONTRACT NR. AF 49(638)-306 — PROJ/TASK NR. 9751-37510

AFOSR TR 59-122
MICHIGAN UNIV OF ANN ARBOR
FINAL REPORT PART II. THE PHOTOGRAPHIC SEQUENCE EFFECT
FINAL REPORT PART I. CALVANO-MAGNETIC EFFECTS AUG 1959
BY ENNS J H — DDC NR. 226081
BY — DDC NR. 226082
KATZ E — CONTRACT NR. AF 49(638)-69 — PROJ/TASK NR. 9763-37631

AFOSR TR 59-123
PENNSYLVANIA UNIV OF PHILADELPHIA
FINAL REPORT ON RESEARCH ON SOLID STATE PROPERTIES OF METALLIC, CERAMIC AND ELECTRONIC MATERIALS JUL 1959
BY CASPARI M — DDC NR. 230224 — CONTRACT NR. AF 18(600)-561 — PROJ/TASK NR. 7772-19751

AFOSR TR 59-124
RENSSELAER POLYTECHNIC INST TROY, NY
A COMPUTATIONAL PROOF PROCEDURE,. AXIOMS FOR NUMBER THEORY
RESEARCH ON HILBERT-S TENTH PROBLEM OCT 1959
BY DAVIS, M.; PUTNAM, H. — DDC NR. 240066 — CONTRACT NR. AF 49(638)-527 — PROJ/TASK NR. 9769-37658

AFOSR TR 59-125
JOHNS HOPKINS UNIV BALTIMORE, MD
PLASMA DYNAMICS AUG 1959
BY CLAUSER F H. — DDC NR. 229510 — CONTRACT NR. AF 18(600)-671 — PROJ/TASK NR. 9781-37712

AFOSR TR 59-126
UNIV OF BIRMINGHAM ENGLAND
THE BEHAVIOUR OF GRAIN BOUNDARIES IN METALS IN A TEMPERATURE GRADIENT OCT 1959
BY LUCAS E W; CAHN R W — DDC NR. 230161 — CONTRACT NR. AF 61(514)-1020 — PROJ/TASK NR. 9761-37611

AFOSR TR 59-127
WASHINGTON UNIV OF SEATTLE
RESEARCH IN HETEROGENEOUS CATALYSIS SEP 1959
BY HALSEY G D — DDC NR. 226963 — CONTRACT NR. AF 18(600)-987 — PROJ/TASK NR. 9761-37610

AFOSR TR 59-128
NORTH CAROLINA UNIV OF CHAPEL HILL
ELECTRICAL METHODS OF ANALYSIS FINAL REPORT AUG 1959
<MISPRINTED AFOSRTN-59-128>
BY REILLEY C N — DDC NR. 227954 — CONTRACT NR. AF 18(600)-1160 — PROJ/TASK NR. 9763-37630

AFOSR TR 59-131
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
FIELD EMISSION MICROSCOPY OF METAL CRYSTAL NUCLEATION
FINAL REPORT SEP 1959
BY MOAZED K L; POUND G M; SMELTZER W W — DDC NR. 225717 — CONTRACT NR. AF 18(600)-1572 — PROJ/TASK NR. 9761-37611

AFOSR TR 59-132
MICHIGAN UNIV OF, ANN ARBOR
AN EXPERIMENTAL INVESTIGATION OF THE POSSIBILITY OF ACHIEVING A STANDING DETONATION WAVE JUL 1959
BY NICHOLLS, J. A.; DEBORA, E. K.; ONG R S B — DDC NR. 226658 — CONTRACT NR. AF 18(600)-1199 — PROJ/TASK NR. 9752-37521

AFOSR TR 59-133
STANFORD UNIV CALIF
THE REPRESENTATIONS OF LINEAR FUNCTIONALS BY MEASURES ON SETS OF EXTREME POINTS OCT 1959
BY BISHOP E; DELEEUW K — DDC NR. 228266 — CONTRACT NR. AF 49(638)-294 — PROJ/TASK NR. 9769-37658

AFOSR TR 59-134
ROME UNIV OF, ITALY
MAY 1959. RESEARCH ON AEROELASTICITY
BY BROGLIO, L. — DDC NR. 226438 — CONTRACT NR. AF 61(514)-888 — PROJ/TASK NR. 9782-37718

AFOSR TR 59-135
ROYAL INST. OF TECHNOLOGY, STOCKHOLM, SWEDEN
JUN 1959. TRANSITION IN BI-REFRINGENT FLUID FLOWS
BY LINDGREN, E. R.; FAXEN, O. H.<P,I.> — DDC NR. 242413 — CONTRACT NR. AF 61(514)-1202 — PROJ/TASK NR. 9781-37712

AFOSR TR 59-136
COLORADO UNIV OF SUMMER INST FOR THEO PHYS AFOSR&NBS
LECTURES IN THEORETICAL PHYSICS INTERSCIENCE 1958
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AFOSR TR 59-137
ILLINOIS INST OF TECHNOLOGY CHICAGO
THE CHEMISTRY OF SILICON AND GERMANIUM HYDRIDES AUG 1959
BY SUJISHI S — DDC NR. 225925 — CONTRACT NR. AF 49(638)-276 — PROJ/TASK NR. 9760-37600

AFOSR TR 59-138
TECHNISCHE HOCHSCHULE, HANNOVER GERM
JUL 1959. THIN-WALLED COMPRESSION MEMBERS
BY PFLUGER, A. — DDC NR. 227149 — CONTRACT NR. AF 61(514)-1140 — PROJ/TASK NR. 9782-37717

AFOSR TR 59-139
CHICAGO UNIV OF ILL
COMPUTATIINS ON INTEGRALS IMPORTANT IN QUANTUM CHEMISTRY
SEP 1959
BY MILLIKEN R S — DDC NR. — CONTRACT NR. AF 18(600)-471 — PROJ/TASK NR. 9763-37630

AFOSR TR 59-141
NORTHWESTERN UNIV EVANSTON ILL
AN INVESTIGATION OF PHASE TRANSFORMATIONS AND OTHER STRUCTURAL CHANGES IN METALS BY MEASUREMENT OF ELASTICITY AND INTERNAL FRICTION FINAL REPORT SEP 1959
BY FINE M E; KELLY A — DDC NR. 227686 — CONTRACT NR. AF 18(600)-1468 — PROJ/TASK NR. 9760-37601

AFOSR TR 59-142
YALE UNIV NEW HAVEN CONN
LATTICE IMPERFECTIONS IN METALLIC AND IONIC CRYSTALS AND THE OPTICAL ABSORPTION EDGE OF INSULATING CRYSTALS AT LOW TEMPERATURES FINAL REPORT SEP 1959
BY NOWICK A S; WHEELER R G — DDC NR. 226965 — CONTRACT NR. AF 18(600)-850 — PROJ/TASK NR. 9760-37601

AFOSR TR 59-143
DELEWARE, UNIV OF NEWARK
HEAT TRANSFER RATES IN TURBULENT FLOW AND NON-NEWTONIAN FLUIDS DEC 1959
INDUST ENGIN CHEM. 51,. 879-882,* JUL 1959
BY METZNER A.B.; FRIEND P. S. — DDC NR. — CONTRACT NR. AF 18(603)-115 — PROJ/TASK NR. 9781-37712

AFOSR TR 59-145
LAVAL UNIV OF, QUEBEC, CANADA
RESEARCH ON THE AUGER ELECTRONS ASSOCIATED WITH BETA-DISINTEGRATION AUG 1959
BY GEOFFRION, C. — DDC NR. 227941 — CONTRACT NR. AF 18(600)-1574 — PROJ/TASK NR. 9750-37500

AFOSR TR 59-146
FLORIDA UNIV OF GAINESVILLE
A STUDY OF POLYMERIZATION BY AN ALTERNATING INTRAMOLECULAR-INTERMOLECULAR CHAIN PROPAGATION MECHANISM SEP 1959
BY BUTLER G B — DDC NR. 228268 — CONTRACT NR. AF 18(603)-116 — PROJ/TASK NR. 9763-37630

AFOSR TR 59-147
MARYLAND UNIV OF COLLEGE PARK
INVESTIGATIONS OF INTERMOLECULAR FORCES 15SEP55-15SEP 59
BY MASON E A — DDC NR. 228141 — CONTRACT NR. AF 18(600)-1562 — PROJ/TASK NR. 9760-37600

AFOSR TR 59-148
CAMBRIDGE UNIV ENGLAND
RESEARCH ON REVERSIBLE PERCEPTION OF SPEECH SOUNDS SEP 1959
BY WARREN R M — DDC NR. 232057 — CONTRACT NR. AF 61(052)-184 — PROJ/TASK NR. 9778-37708

AFOSR TR 59-150
STEVENS INST. OF TECHNOLOGY, HOBOKEN, NJ
THEORETICAL RESEARCH IN THE STATISTICAL MECHANICS OF PHYSICAL PROCESSES SEP 1959
BY LEBOWITZ, J. L.; FAJANS J<PI> — DDC NR. 227146 — CONTRACT NR. AF 49(638)-352 — PROJ/TASK NR. 9751-37511

AFOSR TR 59-151
US NATIONAL BUREAU OF STANDARDS WASH DC
ON STOKES FLOW ABOUT A TOROUS SEP 1959
BY PELL, W. H.; PAYNE, L. E.; DRESSLER R F<PI> — DDC NR. 228853 — CONTRACT NR. CSO-680-57-16 — PROJ/TASK NR. 1750-19753

AFOSR TR 59-152

JUN 9-11, 1959. MOLECULAR BEAM SYMPOSIUM, FOURTH BROOKHAVEN CONFERENCE ON MOLECULAR BEAMS, UNIV. OF HEIDELBERG
BY — DDC NR. 228005 — CONTRACT NR. — PROJ/TASK NR. 9767

AFOSR TR 59-153
CHICAGO UNIV OF ILL
SOME RESEARCH ON THE NATURE OF THE ACTION POTENTIAL IN NERVE FINAL REPORT OCT 1959
BY MOON R J — DDC NR. 249569
EGGEN D A — CONTRACT NR. AF 18(600)-1482
PROJ/TASK NR. 9777-37700

AFOSR TR 59-154
MIAMI UNIV OF FLA
ON THE HIGH-TEMPERATURE EXPANSIONS OF THE SUSCEPTIBILITY OF A HEISENBERG FERROMAGNET FINAL REPORT OCT 1959
BY BROWN H — DDC NR. 231828
CALLAWAY J — CONTRACT NR. AF 49(638)-630
PROJ/TASK NR. 9763-37631

AFOSR TR 59-155
ST LOUIS UNIV MO
THE BETH-SALPETER EQUATION AND THE HYDROGENLINE
ATOM OCT 1959
BY CHRAPLYVY Z V — DDC NR. 229677
CONTRACT NR. AF 18(600)-789
PROJ/TASK NR. 9750-37500

AFOSR TR 59-157
GEORGETOWN UNIV WASH D C
AUTOMATIC TEACHING. THE STATE OF THE ART. WILEY 1959
LB1043.5.G14 BOOK. WILEY 1959
BY GALANTER, ED. E — DDC NR. 235911
ZIMMER, H — CONTRACT NR. AF 49(638)-187
PROJ/TASK NR. 9778-37707

AFOSR TR 59-160
TECHNISCHE HOCHSCHULE AACHEN, GERMANY
JUN 1959. MEASUREMENTS OF THE DIFFUSION OF ELECTRONS OUT OF STRONG WAVES
BY GROENIG, H. — DDC NR. 232219
SCHULTZ-GRUMROW(PI) — CONTRACT NR. AF 61(514)-1046
PROJ/TASK NR. 9781-37713

AFOSR TR 59-161
KAROLINSKA INST STOCKHOLM SWEDEN
STUDIES OF THE PHYSIOLOGY OF DISTURBANCES OF MOTOR CONTROL
SEP 1959
BY POMPEIANO O — DDC NR. 232389
GRANIT R — CONTRACT NR. AF 61(052)-115
PROJ/TASK NR. 9777-37700

AFOSR TR 59-163
MIDWEST RESEARCH INST KANSAS CITY MO
FLUTTER OF CURVED PANELS SEP 1959
BY YATES, J. F. — DDC NR. 227985
ZELDEL, E. R. E. — CONTRACT NR. AF 49(638)-429
LURE, V. L. (P.I.) — PROJ/TASK NR. 9782-37718

AFOSR TR 59-164
G. BOULET TOULOUSE FRANCE
JUN 1959. DESIGN, CONSTRUCTION AND TEST OF TWO CONSTANT VOLUME COMBUSTION CHAMBER
BY BOULET, G. — DDC NR. 232200
CONTRACT NR. AF 61(514)-1162
PROJ/TASK NR. 9751-37510

AFOSR TR 59-165
OHIO STATE UNIV COLUMBUS
STRUCTURES OF TRINITRO-AROMATIC CRYSTALS AND RELATED SUBSTANCES SEP 1959
BY HARRIS, P. M. — DDC NR. 228781
CONTRACT NR. AF 18(600)-1371
PROJ/TASK NR. 9760-37600

AFOSR TR 59-166
1ST ADVANCED PROPULSION SYSTEMS SYMPOSIUM, LOS ANGELES, CALIF. DEC 1957 CONFIDENTIAL REPORT (UNCLASSIFIED VERSION PUBLISHED 1959 BY PERGAMON PRESS
BY ALPERIN, M. — DDC NR.
SUTTON, G. P. — CONTRACT NR.
PROJ/TASK NR.

AFOSR TR 59-167
PLASMADYNE CORP SANTA ANA, CALIF
RESEARCH ON HIGH INTENSITY IONIC JETS NOV 1959
BY CARR, G. L. — DDC NR. 229902
DUCATI, A. C. — CONTRACT NR. AF 49(638)-54
PROJ/TASK NR. 9752-37521

AFOSR TR 59-168
TEMPLE UNIV PHILADELPHIA PA
STUDY OF ULTRA HIGH TEMPERATURES APR 1959
BY GROSSE, A. V. — DDC NR. 231063
STOKES, C. S. — CONTRACT NR. AF 18(600)-1475
PROJ/TASK NR. 9763-37630

AFOSR TR 59-169
AEROJET-GENERAL CORP, AZUSA, CALIF
RESEARCH ON ULTRA-ENERGY FUELS FOR ROCKET COMBUSTION OCT 59
BY FLOURNOY, J. — DDC NR. 229132
BEUM, L. H. — CONTRACT NR. AF 49(638)-110
SIEGEL, S. — PROJ/TASK NR. 9750-37501
WHEELER, A.
MOF, G.
HORMATES, E. I.
ANDERSEN, W. H.
SKOLNIK, S.

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BY FORDS-BONARDI, G. — DDC NR. 229998
PERFOLD, A. S.(P.I.) — CONTRACT NR. AF 49(638)-345
PROJ/TASK NR. 9752-37521

AFOSR TR 59-172
ROCHESTER UNIV OF NY
ADHESION OF PROTECTIVE COATINGS TO METALS BY TENSILE TESTS
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BY SU, G. J. — DDC NR. 230751
FAUCETT, T R — CONTRACT NR. AF 18(600)-1187
GURDUSKI, B . — PROJ/TASK NR. 7772-9972

AFOSR TR 59-173
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THE IGNITION OF GASES BY HOT WIRES NOV 1959
BY ASHMAN, L. E. — DDC NR. 229497
GORDON, W . E. (P.I. — CONTRACT NR. AF 18(603)-109
PROJ/TASK NR. 9751-37510

AFOSR TR 59-174
PRINCETON UNIV NJ
BASIC RESEARCH IN PHYSICAL AND CHEMICAL KINETICS RELATED TO PROBLEMS OF COMBUSTION AND PROPULSION NOV 1959
BY WILHELM, R. H. — DDC NR. 231830
CONTRACT NR. AF 33(038)-23976
PROJ/TASK NR. 9760-37600

AFOSR TR 59-175
BROWN UNIV PROVIDENCE RI
THEORETICAL CALCULATIONS ON IONIZING COLLISIONS BETWEEN FAST CHARGED PARTICLES AND ATOMS
BY LEWIS, M. N. — DDC NR.
CONTRACT NR. AF 18(600)-1554
PROJ/TASK NR. 4750-47501

AFOSR TR 59-175 A
BROWN UNIV PROVIDENCE RI
PROGRAM FOR CALCULATING ATOMIC WAVE FUNCTIONS ON THE IBM 704 COMPUTER
BY LEWIS, M. M. — DDC NR.
CONTRACT NR. AF 18(600)-1554
PROJ/TASK NR. 4750-47501

AFOSR TR 59-176
NEW YORK UNIV, N Y
RADIATION DETECTION EQUIPMENT, SPECIFICALLY COUNTERS FINAL REPORT NOV 1959
BY KORFF, S. A. — DDC NR.
CONTRACT NR. AF 18(600)-1555
PROJ/TASK NR. 9751-37512

AFOSR TR 59-177
BOSTON UNIV MASS
THEORETICAL STUDIES IN STATISTICAL & QUANTUM MECHANICS
NOV 1959
BY SIEGEL, A. — DDC NR. 246339
CONTRACT NR. AF 18(603)-29
PROJ/TASK NR. 9751-37511

AFOSR TR 59-178
CATHOLIC UNIV OF AMERICA, WASH. D. C.
LINEARITY AND MINIMUM ENTROPY PRODUCTION FEB 1959
BY MEIJER, P. H. E. — DDC NR.
CONTRACT NR. AF 18(603)-120
PROJ/TASK NR. 9751-37511

AFOSR TR 59-179
CHICAGO UNIV OF ILL
STUDIES OF THE SCANNING X-RAY SYSTEM AS A MEANS OF EXAMINING STRUCTURE SEP 1955
BY MOON R J — DDC NR. 249432
CONTRACT NR. AF 18(600)-566

AFOSR TR 59-180
AEROJET-GENERAL CORP, AZUSA, CALIF.
STUDY OF THE KINETICS OF SOLID PHASE REACTIONS NOV 1959
BY CHAIKEN, R. F. — DDC NR. 229120
NOE, G.(P.I.) — CONTRACT NR. AF 18(603)-74
PROJ/TASK NR. 9750-37501

AFOSR TR 59-181
AERONUTRONIC SYSTEMS INC, GLENDALE, CALIF
FINAL REPORT ON STUDY OF METHODS OF PRODUCING HIGH-SPEED PARTICLES NOV 1959
BY BERGSTRALH, T. — DDC NR. 229718
KRUCOFF, D. — CONTRACT NR. AF 49(638)-366
MEYER, N. — PROJ/TASK NR. 9752-37521
WORCESTER, J.

AFOSR TR 59-182
NATIONAL BUREAU OF STANDARDS WASHINGTON DC
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BY SHIFFMAN, C. A. — DDC NR.
CONTRACT NR. CSO 680-59-3
PROJ/TASK NR. 9760-37601

AFOSR TR 59-183
LAVAL UNIV QUEBEC CAN
STUDY OF CHEMICAL REACTIONS IN THE ELECTRICAL DISCHARGE NOV 1959
BY GIGUERE, P. A. — DDC NR. 229717
CONTRACT NR. AF 18(600)-492
PROJ/TASK NR. 9763-37630

AFOSR TR 59-184
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
X-RAY STUDIES OF COMPLEX IONS AND THEIR SALTS WITH ORGANIC BASES AND ORGANIC OXYGEN COMPOUNDS OCT 1959
BY PEPINSKY, R — DDC NR.
CONTRACT NR. AF 18(600)-1556
PROJ/TASK NR. 9763-37630

AFOSR TR 59-185
MICHIGAN UNIV OF ANN ARBOR
COMBUSTION EXPERIMENT WITH AX 50,000-CURIE COLD SOURCE
NOV 1959
BY CHURCHILL, S. W. — DDC NR. 234757
WEIR, A. — CONTRACT NR. AF 18(600)-1218
ORNELLE, L. F. — PROJ/TASK NR. 9751-37510
GEALER, R. L.

AFOSR TR 59-187
NEW MEXICO UNIV OF ALBUQUERQUE
THE RELATIONSHIPS AMONG THE TRAITS OF THE PERCEIVER AND THOSE OF THE PERCEIVED IN IMPRESSION FORMATION SEP 1959
BY BENEDETTI, D T — DDC NR. 228829
MORGAN, R. M — CONTRACT NR. AF 49(638)-33
RESSEMER, D W — PROJ/TASK NR. 9778-37707

AFOSR TR 59-188
OHIO STATE UNIV COLUMBUS
MECHANISM OF ACTION OF DEOXYRIBONUCLEASE FINAL REPORT
NOV 1959
BY FRAJOLA, W. J. DDC NO. 231602
CONTRACT NO. AF 18(604)-329
PROJ/TASK NO. 9777-37702

AFOSR TR 59-190
PHILLIPS PETROLEUM CO., BARTLESVILLE OKLA
CHEMICALLY REACTIVE SPECIES - THEIR PRODUCTION, STABILIZAT
CONCENTRATION AND STORAGE, FINAL REPORT OCT 1959
BY ARNETT, R. L. DDC NO. 229628
CUTH, E. D. CONTRACT NO. AF 49(638)-69
ARNETT, R. L. PROJ/TASK NO. 9760-37601
CARR, R. F. (P.I.)

AFOSR TR 59-191
BOSTON UNIV MASS
VASOMOTOR ADJUSTMENTS IN THE MICROCIRCULATION DURING CHANGE
IN BLOOD DISTRIBUTION FINAL REPORT 1959
BY FULTON, G. P. DDC NO. 229503
SLEICHTA, R. F. CONTRACT NO. AF 49(638)-66
BRANDLEY, P. B.(P.I.) PROJ/TASK NO. 9777-37700

AFOSR TR 59-192
ATLANTIC RSCH CORP, ALEXANDRIA, VA
RESEARCH ON SOLID-PROPELLENT COMBUSTION NOV 1959
BY FRIEDMAN, R. DDC NO. 230726
LEVY, J. B. CONTRACT NO. AF 18(600)-1502
RUMBEL, E. F. PROJ/TASK NO. 9760-37601

AFOSR TR 59-193
CALIFORNIA UNIV OF SANTA BARBARA, CALIF
FINAL REPORT, 30 NOV 1959
BY BARRETT, P. H. DDC NO.
CONTRACT NO. AF 49(638)-9
PROJ/TASK NO. 9760-37600

AFOSR TR 59-194
COLUMBIA UNIV NY
RESEARCH ON PHYSICS AND CHEMISTRY OF GASES AT HIGH
TEMPERATURES NOV 1959
BY KISCH, P. DDC NO.
CONTRACT NO. AF 18(600)-1396
PROJ/TASK NO. 9767

AFOSR TR 59-196
ILLINOIS UNIV OF URBANA
EXPERIMENTAL RESEARCH UPON THE ELECTRONIC PROPERTIES OF NON
METALLIC CRYSTALS FINAL REPORT DEC 1959
BY WAINER, E DDC NO.
CONTRACT NO. AF 18(600)-662
PROJ/TASK NO. 9760-37601

AFOSR TR 59-197
TECHNISCHE HOCHSCHULE, VIENNA AUSTRIA
OCT 1959 CONDUCT THEORETICAL AND EXPERIMENTAL
INVESTIGATIONS ON THE AERODYNAMICS OF THE MIXING OF COOLING
AIR WITH COMBUSTION PRODUCTS IN THE COMBUSTION CHAMBER
BY MELAN, H DDC NO. 241992
CONTRACT NO. AF 61(052)-91
PROJ/TASK NO. 9751-37910

AFOSR TR 59-198
OHIO STATE UNIV COLUMBUS
SPECIFIC HEATS OF METALS AND ALLOYS BELOW 1°K NOV 1959
BY HEER, C. V. DDC NO. 232127
CONTRACT NO. AF 49(638)-256
PROJ/TASK NO. 9760-37601

AFOSR TR 59-199
DELAWARE UNIV OF NEWARK
THE EFFECTS OF HIGH HYDROSTATIC PRESSURE ON SUBSEQUENT
PHYSICAL PROPERTIES OF METALS DEC 1959
BY FERRON, J. R. DDC NO. 272011
CONTRACT NO. AF 49(638)-86
PROJ/TASK NO. 9760-37601

AFOSR TR 59-200
LEHIGH UNIV BETHLEHEM, PA
SOME UNIQUENESS THEOREMS ON RIEMANNIAN MANIFOLDS WITH
BOUNDARY (FINAL REPORT)
ILL J MATH 4 526-540 DEC 60
BY HSIUNG, C. C. DDC NO.
CONTRACT NO. AF 49(638)-219
PROJ/TASK NO. 9760-37650

AFOSR TR 59-201
COLUMBIA UNIV NY
PARAMAGNETIC RESONANCE ABSORPTIONSPECTROSCOPY SEP 1959
BY FRAENKEL, G. E DDC NO. 230591
CONTRACT NO. AF 18(600)-1990
PROJ/TASK NO. 9760-37600

AFOSR TR 59-203
TECHNION RSCH ISRAEL
BUCKLING OF CONICAL SHELLS UNDER EXTERNAL PRESSURE AND
THERMAL STRESSES, FINAL REPORT DEC 59
PAPER W/SAME TI IN PROC IUTAM SYMP ON THE THEORY OF THIN
ELASTIC SHELLS ED W. T. KOITER NORTH-HOLLAND PUBL CO 1960
189-216
BY SINGER, J. DDC NO. 236855
HOFF, J. CONTRACT NO. AF 61(052)-129
PROJ/TASK NO. 9782-37717

AFOSR TR 59-204
HERRER & CO. WASH DC
BASIC RESEARCH RESUMES, DEC 1959
BY HERRER S. DDC NO. 232933
CONTRACT NO. AF 49(638)-652
PROJ/TASK NO. 9760-37650

AFOSR TR 59-206
TEXAS A&M, COLLEGE STATION
ELECTRONIC SPECTRA OF SIMPLE MOLECULES DEC 1959
BY COON, J. B. DDC NO. 232660
CONTRACT NO. AF 18(600)-639
PROJ/TASK NO. 9751-37911

AFOSR TR 59-207
PITTSBURGH UNIV OF PA
STRENGTHS AND WIDTHS OF MOLECULAR SPECTRAL LINES IN THE
INFRARED DEC 1959
BY BENEDICT, W. S. DDC NO.
RAMSDEN, H. CONTRACT NO. AF 18(600)-986
AMER, G. PROJ/TASK NO. 9751-37911

AFOSR TR 59-208
STANFORD RSCH INST MENLO PARK CALIF
THE HILL REACTION AS A MODEL FOR CHEMICAL CONVERSION OF
SOLAR ENERGY DEC 1959
BY MARCUS, R. J. DDC NO. 231091
CONTRACT NO. AF 18(603)-7
PROJ/TASK NO. 9769-37610

AFOSR TR 59-209
COMBUSTION & EXPLOSIVE RSCH INC, PITTSBURGH PA
COMBUSTION, FLAMES AND EXPLOSIVES OF GASES, 2ND EDITION,
ACADEMIC PRESS NEW YORK 1961
BY LEWIS, B. DDC NO.
VON ELBE G. CONTRACT NO. AF 49(638)-307
PROJ/TASK NO. 9761-37610

AFOSR TR 59-211
WESTINGHOUSE ELECTRIC CORP BALTIMORE MD
TECHNIQUES FOR GUIDANCE NAVIGATION AND COMMUNICATION
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BY SHAPIRO G DDC NO. 234095
CASTRUCCIO P A CONTRACT NO. AF 49(638)-690
PROJ/TASK NO. 9783-37726

AFOSR TR 59-212
GENERAL ELECTRIC RSCH LABORATORY SCHENECTADY NY
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INTERNATIONAL CONFERENCE HELD AT BOSTON LANDING, NEW YORK
SEP 9-11 1959, SPONS. AFOSR, GE JOHN WILEY & SONS
BY NEUGEBAUER, C. A DDC NO.
NEWEIRE, J. R CONTRACT NO. AF 49(638)-609
VRATILYEA, D. A PROJ TASK NO. 9761-37611
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AFOSR TR 59-213
NATIONAL ACADEMY OF SCIENCES WASH DC
FRACTURE, PROC. OF AN INTERNATIONAL CONFERENCE ON THE ATOMI
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MECHANISMS OF FRACTURE, SWAMPSCOTT, MASS., APR 12-16 1959
SPONS, NSF, ONR, AFOSR, SHIP STRUCTURE COMMITTEE JOHN
WILEY & SONS 1959
BY AVERBACH, B. L DDC NO.
FELBECK, D. K CONTRACT NO. CSO 680-59-2
HAHN, G. T. PROJ/TASK NO. 9760-37621
THOMAS D A

AFOSR TR 60-2
SPERI-COANDA, PARIS, FRANCE
AUG. 1959, STUDY OF A COANDA NOZZLE OPERATING AS A SINGLE
EJECTOR, STUDY OF THE OPERATION OF COANDA NOZZLE WORKING IN
STAGES,
BY COANDA H. DDC NO. 230385
CONTRACT NO. AF 61(052)-150
PROJ/TASK NO. 9781-37712

AFOSR TR 60-3
WASHINGTON UNIV OF SEATTLE
STUDIES IN MOLECULAR SPECTROSCOPY 1959
BY CROSS P C DDC NO. 232106
EGGERS D F CONTRACT NO. AF 18(600)-1922

AFOSR TR 60-4
UNIV OF WASHINGTON SEATTLE
AFTERGLOW SPECTROSCOPY MARCH 1, 1958 - SEPTEMBER 15, 1959
BY CLARK A.C. DDC NO. 232960
CONTRACT NO. AF 18(603)-36
PROJ/TASK NO. 9767

AFOSR TR 60-6
CATHOLIC UNIV OF AMERICA, WASH DC
ELEMENTARY MECHANICS OF TURBULENT FLUID MOTION MAR 1960
BY MUNK M. M. DDC NO. 239018
CONTRACT NO. AF 49(638)-416
PROJ/TASK NO. 9781-37712

AFOSR TR 60-7
PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON THE NUCLEAR
OPTICAL MODEL 1959
BY GREEN A E S DDC NO.
PORTER C E CONTRACT NO.
SAXON D S PROJ/TASK NO.

AFOSR TR 60-9
CHICAGO UNIV OF ILL
QUANTUM MECHANICAL COMPUTATIONS OF MOLECULAR PROPERTIES TEC
REPORT 1957-9 PART TWO
BY MULLIKEN, R S(P.I.) DDC NO. 232111
CONTRACT NO. AF 18(600)-671
PROJ/TASK NO. 9761-37650

AFOSR TR 60-10
COLUMBIA UNIV NY
THE SPECTRAL DENSITY OF A MULTIPLY SCATTERED ELECTROMAGNETI
FLUID, FINAL REPORT MAY 1960
BY BUGBOLD D. S. DDC NO. 240676
CONTRACT NO. AF 49(638)-340
PROJ/TASK NO. 9768-37650

AFOSR TR 60-11
NATIONAL BUREAU OF STANDARDS WASH D C
STUDIES OF HIGH TEMPERATURE REACTIONS -
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BY EIREPATRICK H R DDC NO.
TIGHE R J CONTRACT NO. CSO 680-59-1
SHUMAKER J B PROJ/TASK NO. 9762-37621
SCHOONMAKER R F

AFOSR TR 60-12
DUBLIN INST FOR ADVANCED STUDIES IRE
FINAL REPORT DEC 1959 EXTENSIVE AIR SHOWERS
BY MCCUSKER C B A — DDC NR. 232089
CONTRACT NR. AF 61(052)-183
PROJ/TASK NR. 9776-37669

AFOSR TR 60-91
WASHINGTON UNIV ST LOUIS MO
MULTIPLIER TRANSFORMATIONS II APR 60
DUKE MATH J 28 69-96 MAR 1961
BY HIRSCHMAN JR I I — DDC NR. 239968
HAIMO F<P,I,> — CONTRACT NR. AF 49(638)-218
PROJ/TASK NR. 9783-37727

AFOSR TR 60-92
WASHINGTON UNIV ST LOUIS MO
ROOTS OF INFER AUTOMORPHISMS APR 1960
BY HAIMO F — DDC NR. 239985
CONTRACT NR. AF 49(638)-218
PROJ/TASK NR. 9783-37727

AFOSR TR 60-13
TECHNION RSCH AND DEVEL FOUND HAIFA, ISRAEL
OCT, 59, INTEGRAL TRANSFORMS WITH TWO REPRODUCING PROPERTIE
BY STEINBERG J. — DDC NR. 232066
CONTRACT NR. AF 61(052)-192
PROJ/TASK NR. 9769-37658

AFOSR TR 60-17
RUTGERS UNIV New BRUNSWICK N J
A STUDY OF THE PROPERTIES OF MATTER BY MEANS OF NUCLEAR
MAGNETIC RESONANCE TECHNIQUES JAN 1960 FINAL REPORT
BY TOBOLSKY H C — DDC NR. 232674
CONTRACT NR. AF 18(603)-6
PROJ/TASK NR. 9760-37601

AFOSR TR 60-18
TECHNISCHE HOCHSCHULE, VIENNA AUSTRIA
THEORETICAL RESEARCH ON THE STRENGTH OF VORTICES PRODUCED
BEHIND A SHOCK WAVE IN THE BOUNDARY LAYER FOR SUPERSONIC
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BY BOURIAK R. — DDC NR. 232069
HAGYAR F. <P,I,> — CONTRACT NR. AF 61(052)-78
PROJ/TASK NR. 9781-37712

AFOSR TR 60-19
SYRACUSE UNIV N Y
EXPERIMENT STUDY OF PI-HELIUM & INTERACTIONS IN THE
REVERANCE AND K-ABSORPTION AT REST IN HELIUM
FINAL REPORT 1960
BY HARTH F M — DDC NR.
LEITNER J — CONTRACT NR. AF 49(638)-900
PROJ/TASK NR. 9791-37912

AFOSR TR 60-21
SYRACUSE UNIV NY
INVERSE THEOREMS OF APPROXIMATIONS SEP 1960
BY LORENTZ G. G. — DDC NR. 269103
CONTRACT NR. AF 49(638)-619
PROJ/TASK NR. 9752-37922

AFOSR TR 60-22
AEROJET-GENERAL CORP, AZUSA, CALIF
INVESTIGATION OF HIGH ENERGY OXIDIZER FOR SOLID PROPE LANTS
<U> JAN 1960 CONFIDENTIAL REPORT
BY FISCHER R. — DDC NR. 319622
SEOLKIE S. — CONTRACT NR. AF 49(638)-29
PROJ/TASK NR. 9750-37501

AFOSR TR 60-23
CHICAGO UNIV OF ILL
PT 1 DIFFUSION IN CRYSTALLINE SOLIDS AND LIQUIDS
PT 2 POINT PERFECTIONS IN METALS
PT 3 OPTICAL PROPERTIES OF METALS 1959
BY NACHTRIEB N H — DDC NR. 232941
CONTRACT NR. AF 18(600)-1089
PROJ/TASK NR. 9761-37610

AFOSR TR 60-26
MASSACHUSETTS UNIV OF AMHERST
THE CHEMISTRY OF HYDRAZINE DERIVATIVES FEB 1960
BY CARPINO L A — DDC NR.
CONTRACT NR. AF 18(603)-114
PROJ/TASK NR. 9762-37620

AFOSR TR 60-29
FRIBOURG UNIV OF SWITZERLAND
1959, GAS BUBBLE CHAMBER RESEARCH
BY HAHN R. — DDC NR. 239271
CONTRACT NR. AF 61(514)-1262
PROJ/TASK NR. 9751-37912

AFOSR TR 60-26
CALIFORNIA UNIV OF BERKELEY
DUCTILE CERAMICS FINAL REPORT FEB 1960
BY PARKER E R — DDC NR. 236699
RASE J A — CONTRACT NR. AF 49(638)-96
PROJ/TASK NR. 9761-37611

AFOSR TR 60-27

JUN 1958, SYMPOSIUM OF PLASMA DYNAMICS ADDISON-WESLEY PUBL.
CO., INC., 1958
BY CLAUSER, F. H. — DDC NR.
WEBER, E.<P,I,> — CONTRACT NR.
MARCUVITZ, N. — PROJ/TASK NR.

AFOSR TR 60-28
ARKANSAS UNIV OF FAYETTEVILLE
ATOMIC SPECTROSCOPIC INVESTIGATION OF NUCLEAR PROPERTIES
FEB 1960
BY HUGHES R. H. — DDC NR. 239296
CONTRACT NR. AF 18(603)-26
PROJ/TASK NR. 6750-67501

AFOSR TR 60-29
INTERNATIONAL SYMPOSIUM ON HIGH TEMPERATURE TECHNOLOGY,
PROC ASILOMAR CONF GROUNDS CALIFORNIA ARRANGED BY
STANFORD RESEARCH INST
MCGRAW-HILL BOOK CO INC 1960
BY — DDC NR.
CONTRACT NR.

AFOSR TR 60-30
CONSERVATOIRE NAT DES ARTS ET METIERS PARIS FRANCE
DYNAMICAL THEORY OF THE REFLECTION OF X-RAYS ON
CURVED CRYSTALS JAN 1960
BY TAUPIN D — DDC NR. 236213
GUINIER A — CONTRACT NR. AF 61(052)-41
PROJ/TASK NR. 9769-37691

AFOSR TR 60-31
MINNESOTA UNIV OF MINNEAPOLIS
STRUCTURAL INVESTIGATIONS OF LARGE MOLECULES
BY X-RAY DIFFRACTION
BY LIPSCOMB W N — DDC NR. 236090
CONTRACT NR. AF 49(638)-685
PROJ/TASK NR. 9760-37600

AFOSR TR 60-32
BROWN UNIV, PROVIDENCE, RI
SIMILARITY AND DIMENSIONAL METHODS IN MECHANICS, TRANSLATED
FROM 6TH RUSSIAN ED. BY MORRIS FRISHMAN TRANS. ED. BY
MAURICE HOLT, ACADEMIC PRESS, NY, 1959
BY SEDOV L. I. — DDC NR.
FISHBERG F <P,I,> — CONTRACT NR. NONR 2497(00)
PROJ/TASK NR. 9781-37715

AFOSR TR 60-34
CENTRAL STATE COLLEGE WILBERFORCE O
HIGH TEMPERATURE COMBUSTION METHOD FOR ORGANIC
FLUORINE MAR 1960
BY JOHNSON R H — DDC NR. 236627
CONTRACT NR. AF 18(600)-1479
PROJ/TASK NR. 9763-37630

AFOSR TR 60-35
PLASMADYNE CORP SANTA ANA, CALIF
PASSIVE DETECTION OF MOVING BODIES IN THE UPPER ATMOSPHERE
<U> CONFIDENTIAL REPORT JAN 1960
BY VAN ORNUM D. G. — DDC NR. 317598
CONTRACT NR. AF 49(638)-11
PROJ/TASK NR. 9768-37650

AFOSR TR 60-37
PURDUE UNIV LAFAYETTE, IND
ABSTRACTS OF THE 12TH AFOSR CONTRACTORS MEETING ON LIQUID
PROPELLANT ROCKET COMBUSTION MAR 1960
BY ZUCROW M. J.<P,I,> — DDC NR. 237729
WEBER, F. <P,I,> — CONTRACT NR. AF 49(638)-756
MARCUVITZ, N. — PROJ/TASK NR. 9751-37510

AFOSR TR 60-38
ROCHESTER UNIV OF N Y
ENERGY TRANSFERAL IN POLYATOMIC MOLECULES AND PHOTOCHEMISTRY
IN THE LIQUID AND SOLID PHASES 1960
BY HOYES JR W A — DDC NR. 237786
CONTRACT NR. AF 18(600)-1428
PROJ/TASK NR. 9760-37600

AFOSR TR 60-40
TECHNISCHE HOCHSCHULE MUNICH GERMANY
MAR 1960, PRACTICAL NUMERICAL METHODS OF THREE-DIMENSIONAL
SUPERSONIC FLOW
BY SAUER R. — DDC NR. 240366
CONTRACT NR. AF 61(514)-1080
PROJ/TASK NR. 9781-37712

AFOSR TR 60-41
WAYNE STATE UNIV DETROIT MICH
SURFACE PHENOMENA IN SEMICONDUCTORS AND GROWTH OF
SEMICONDUCTOR CRYSTALS FINAL REPORT MAR 1960
BY ALBERS JR W A — DDC NR. 239132
NOBLE V F — CONTRACT NR. AF 49(638)-148
POPLAWSKY R P — PROJ/TASK NR. 9761-37611
THOMAS JR J F

AFOSR TR 60-42
MILAN UNIV OF ITALY
CELLULAR DAMAGE PRODUCED BY HYPOXIA OCT 1959
BY CIARAPICA F — DDC NR. 236214
CONTRACT NR. AF 61(514)-1024
PROJ/TASK NR. 7771

AFOSR TR 60-43
WASHINGTON UNIV OF SEATTLE
CHEMICAL PHYSICS RELATED TO PHOTOGRAPHY
BY SIMPSON W T — DDC NR. 236200
CONTRACT NR. AF 18(600)-479
PROJ/TASK NR. 9760-37600

AFOSR TR 60-44
AEROJET GENERAL CORP, AZUSA, CALIF
STUDY OF THE KINETICS OF SOLID-PHASE REACTIONS MAR 1960
BY CHAIKEN R. F. — DDC NR.
GELLER, I. — CONTRACT NR. AF 49(638)-929
SUTHERLAND [illegible] — PROJ/TASK NR. 9750-37501
WHEELER A.
HOFF G.<P,I,>

AFOSR TR 60-45
CORNELL UNIV ITHACA N Y
INVESTIGATION OF ATOMIC PHENOMENA OCCURRING ON AND
NEAR THE SURFACES OF SOLIDS FINAL REPORT FEB 1960
BY BRADLEY R C — DDC NR. 239535
SIEGEL B M — CONTRACT NR. AF 18(600)-674
PROJ/TASK NR. 9761-37611

AFOSR TR 60-48
REACTION MOTORS DIV. THIOKOL DENVILLE. NJ
HEAVY PARTICLE PROPULSION RESEARCH. 1 JULY 59 TO 31 DEC 59
BY WIECH. JR. R. E. DDC NR. 236838
WOLFHARD H. G. <P.I. CONTRACT NR. AF 49.638#-657
PROJ/TASK NR. 4759-08

AFOSR TR 60-49
AVCO-EVERETT RSCH LABORATORY EVERETT. MASS
RESEARCH ON PLASMA PROPULSION DEC 1959
BY FAY. J.A. DDC NR.
JANES G. S. CONTRACT NR. AF 49<638>-659
KECK J. C. PROJ/TASK NR. 4759-11

AFOSR TR 60-50
OHIO STATE UNIV COLUMBUS
THE ANALYSIS AND PRODUCTION OF DENSE ELECTRON BEAMS FOR USE IN MICROWAVE TUBES MAR 1960
BY CAMPBELL R. M. DDC NR. 237071
BOONE. E. M. <P .I.> CONTRACT NR. AF 18<600>-980
PROJ/TASK NR. 9768-37650

AFOSR TR 60-51
TEXAS UNIV OF AUSTIN
HIGH PRESSURE SPECTROSCOPY FINAL REPORT OCT 1959
BY ROBERTSON W W DDC NR.
CONTRACT NR. AF 49<638>-35
PROJ/TASK NR. 9763-37630

AFOSR TR 60-52
GEORGIA INST OF TECHNOLOGY ATLANTA
MAR 1960. CONVECTIVE FLOW DUE TO ACOUSTIC VIBRATIONS IN HORIZONTAL RESONANT TUBES
BY JACKSON. T. W. DDC NR. 233970
JOHNSON H. L. CONTRACT NR. AF 49<638>-459
PROJ/TASK NR. 9781-37712

AFOSR TR 60-53
BROWN UNIV PROVIDENCE. RI
FINAL REPORT PHYSICAL RESEARCH IN THE PROPULSION SCIENCES MAR 1960
BY KESTIN J. DDC NR. 238994
CONTRACT NR. AF 18<600>-891
PROJ/TASK NR. 9751-37511

AFOSR TR 60-54
IMPERIAL COLLEGE LONDON ENGLAND
THE FLOW OF POLYCRYSTALLINE METALS UNDER SIMPLE SHEAR II
PROC ROYAL SOC A 254 291-316 1960
BY DA E N DDC NR. 236308
ANDRADE C CONTRACT NR. AF 61<514>-1177
JOLLIFFE F R S PROJ/TASK NR. 9760-37601
JOLLIFFEE K H

AFOSR TR 60-55
ROME UNIV OF ITALY
BRAIN UNIT ACTIVITY IN RELATION TO BEHAVIOR DEC 1959
BY RICCI C DDC NR. 244874
CONTRACT NR. AF 61<052>-38
PROJ/TASK NR. 9777-37700

AFOSR TR 60-56
HEIDELBERG UNIV OF GERM
POTASSIUM WILL BE STUDIED IN ENDOTHEL-LINED CAVITIES MEASURING THE OUTFLOW OF SUCH TRACERS INTO THE PERFUSION FLUID DEC 59
BY EICHHOLTZ F DDC NR. 244809
ALEXANDER K CONTRACT NR. AF 61<514>-1006
PROJ/TASK NR. 9777-37701

AFOSR TR 60-57
TECHNION RSCH & DEVEL FOUND HAIFA. ISRAEL
JAN 1960. EIGENVALUE PROBLEMS OF NONHOMOGENEOUS STRINGS
BY SCHWARZ B. DDC NR. 236524
CONTRACT NR. AF 61<052>-194
PROJ/TASK NR. 9783-37727

AFOSR TR 60-58
CORNELL AERONAUTICAL LABORATORY INC BUFFALO. N Y
HYPERSONIC RESEARCH SUMMARY JAN1960
BY FABIAN G. J. DDC NR. 238152
MOORE F K <P.I.> CONTRACT NR. AF 18<603>-141
PROJ/TASK NR. 9783-37725

AFOSR TR 60-59
CORNELL AERONAUTICAL LABORATORY. BUFFALO NY
SHOCK-TUBE MEASUREMENTS OF TRANSITION PROBABILITIES FOR OXYGEN & NITRIC OXIDE APR 1960
BY TREANOR. C. E. DDC NR. 238483
HURSTER W. H. CONTRACT NR. AF 49<638>-269
DAIBER. J. W. PROJ/TASK NR. 9750-37501
WILLIAMS M.

AFOSR TR 60-60
AERONUTRONIC SYSTEMS. INC. GLENDALE. CALIF
STUDY OF INFLUENCE OF SOUND WAVES ON CHEMICAL REACTION RATES 1960
BY WIGHT H. N. DDC NR. 237573
ALTMAN D.<P.I.> CONTRACT NR. AF 49<638>-311
PROJ/TASK NR. 9751-37510

AFOSR TR 60-61
THE ROYAL COLLEGE OF SCI AND TECH. GLASGOW. SCOTLAND
THE HODOGRAPH METHOD APPLIED TO FLOW PAST PROFILES AND IN JETS. FINAL REPORT APR 1960
BY PACK. D. C. DDC NR. 241472
CONTRACT NR. AF 61<514>-1170
PROJ/TASK NR. 9783-37718

AFOSR TR 60-63
ITEK CORP BOSTON. MASS.
OPTICAL IMAGE FORMATION IN TERMS OF ENTROPY TRANSFORMATIONS APR 1960
BY O-NEILL. E. L. DDC NR. 237436
ASAKUVA T. CONTRACT NR. AF 49<638>-577
PROJ/TASK NR. 9768-37650

AFOSR TR 60-64
AEROJET-GENERAL CORP. AZUSA. CALIF
INVESTIGATION OF THE MECHANISM OF COMBUSTION OF COMPOSITE SOLID PROPELLANTS ARP 1960
BY SIBBETT D. J. DDC NR. 240274
LOBATO J. M. CONTRACT NR. AF 49<638>-566
SKOLNICK S. <P.I.> PROJ/TASK NR. 4759-02

AFOSR TR 60-65
MICHIGAN UNIV OF ANN ARBOR
STAGNATION POINT FLUCTUATIONS AND BOUNDARY LAYER STABILITY ON BODIES OF REVOLUTION WITH HEMISPHERICAL NOSES JUN 1960
BY KUETHE. A. M. DDC NR. 258348
WILLMARTH W. W. CONTRACT NR. AF 49<638>-336
CROCKER G. M. PROJ/TASK NR. 9781-37712

AFOSR TR 60-66
IST ELETTROTECNICO NAZIONALE TORINO ITALY
EFFECT OF NEUTRON BOMBARDMENT ON THE MAGNETIC PROPERTIES OF IRON AND NICKEL OF VERY HIGH PERMEABILITY III FEB 1960
BY BIORCI G DDC NR. 236778
FERRO A CONTRACT NR. AF 61<514>-1331
MONTALENTI G PROJ/TASK NR. 9760-37601

AFOSR TR 60-67
IST ELETTROTECNICO NAZIONALE TORINO ITALY
PART A GENERALIZATION OF THE THEORY OF THE ISOTHERMAL BLEACHING OF F CENTER IN X-RAYED HALIDES PART B ELECTRON MICROSCOPY EXAMINATION OF TRACKS OF FISSION PRODUCTS IN MICACRYSTALS MAR 1960
BY BONFIGLIOLI G DDC NR. 236779
BROVETTO P CONTRACT NR. AF 61<514>-1333
CORTESE C PROJ/TASK NR. 9760-37601
FERRO A
MOJONI A

AFOSR TR 60-70
BROWN UNIV PROVIDENCE. RI
NONLINEAR SONIC PHENOMENA MAY 1960
BY NYBORG W. L. DDC NR. 238441
CONTRACT NR. AF 18<603>-54
PROJ/TASK NR. 9751-37511

AFOSR TR 60-71
MAX-PLANCK INST FUR STROMUNGSTECHNIK GOTTINGEN
RESEARCH ON THE OSCILLATING ELLIPTIC LIFTING SURFACE IN SUBSONIC FLOW JUN 1960
BY KUSSNER H G DDC NR. 241997
CONTRACT NR. AF 61<052>-215
PROJ/TASK NR. 9783-37726

AFOSR TR 60-72
WESTINGHOUSE ELECTRIC CORP
ELECTRICAL CLEANUP OF GASES MAY 1960
BY FOX R E DDC NR. 238272
KNOLL J S CONTRACT NR. AF 49<638>-591
PROJ/TASK NR. 9767

AFOSR TR 60-73
INST DI QUIMICA FISICA MADRID
KINETICS OF THE SULPHURATION OF METALLIC SURACES
FINAL REPORT MAY 1960
BY MARI J L DDC NR. 242269
GAMBOA J M CONTRACT NR. AF 61<514>-1329
ARIZMENDI L PROJ/TASK NR. 9761-37610

AFOSR TR 60-74
ILLINOIS UNIV OF URBANA
RESEARCH ON TRANSONIC AND SUPERSONIC FLOW OF A REAL FLUID AT ABRUPT INCREASES IN CROSS SECTION <WITH SPECIAL CONSIDERATIO OF BASE DRAG PROBLEMS DEC 1959
BY KORST. H. H. DDC NR. 239139
CHOW W. L. CONTRACT NR. AF 18<600>-392
ZUMWALT G. W. PROJ/TASK NR. 1750-17500

AFOSR TR 60-75
ROCKETDYNE CANOGA PARK. CALIF
DISPLACEMENT AND SHATTERING OF PROPELLANT DROPLETS MAR 1960
BY RABIN. E. DDC NR. 241473
SCHALLENMULLER. A. R CONTRACT NR. AF 18<603>-98
LAWHEAD R. B. PROJ/TASK NR. 9751-37510

AFOSR TR 60-77
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
TWO REMARKS ON THE VISUAL SYSTEM OF THE FROG
FINAL REPORT 1960
SENSORY COMMUNICATION MIT PRESS AND J WILLY & SONS 1961
PP 757-776
BY LETTVIN J Y DDC NR. 243858
MATURANA H R CONTRACT NR. AF 49<638>-724
PITTS W H PROJ/TASK NR. 9777-37703
MCCULLOCH W S

AFOSR TR 60-78
BROWN UNIV PROVIDENCE RI
HEAT TRANSFER FROM SURFACES OF NON-UNIFORM TEMPERATURE DISTRIBUTION. FINAL REPORT--PART I. LOCAL RATES OF MASS TRANSFER FROM CYLINDERS IN CROSS FLOW MAY 1960 PT 2 LOCAL SUBLIMATION FROM DIKH IN AXISYMMETRIC FLOW H. H SOGIN VURAL OSKAY
PT 1 TRANS ASME J HEAT TRANSFER PAPER# 60-WA-193
BY SOGIN. H. H. DDC NR. 240629
SUBRAMANIAN V. S. CONTRACT NR. AF 49<638>-46
SOGIN R. J. PROJ/TASK NR. 9781-37712

AFOSR TR 60-79
REACTION MOTORS DIV. THIOKOL. DENVILLE NJ
HEAVY PARTICLE PROPULSION RESEARCH MISPRINTED TR 60-70
JA 30 AP 1960
BY JAMBA D. M. DDC NR. 240971
WOLFHAND G. G. <P.I. CONTRACT NR. AF 49<638>-657
PROJ/TASK NR. 4759-T0008

AFOSR TR 60-81
FRANKLIN INST PHILADELPHIA PA
PURIFICATION AND SUBSTRUCTURE FORMATION OF METALS AND PROPERTIES OF HIGH PURITY METALS 1960
BY HERMAN M DDC NR. 243579
SMITH R L CONTRACT NR. AF 18<600>-1581
PROJ/TASK NR. 9762-37621

AFOSR TR 60-82
ILLINOIS UNIV OF URBANA
A STUDY OF THE PROPERTIES OF RADIOACTIVE NUCLIE BY OPTICAL ORIENTATION JUL 1960
BY NOVICK R. DDC NR. 243035
CONTRACT NR. AF 49<638>-781
PROJ/TASK NR. 9768-37650

AFOSR TR 60-87
PROC OF DYNAMICS OF CONDUCTING HASES, THIRD BIENNIAL GAS DYNAMICS SYMPOSIUM NORTHWESTERN UNIV PRESS 1960
BY CAMBEL A. B. DDC NR.
FENN J. B. CONTRACT NR.
PROJ/TASK NR.

AFOSR TR 60-89
MINNESOTA UNIV MINNEAPOLIS
NUCLEAR AND ELECTRON SPIN RESONANCE
ELECTRON SPIN RESONANCE STUDIES OF MAGESIUM OXIDE IMPURITY-CONTROLLED ELECTRONIC PROPERTIES FEB 1960
BY WERTZ J E DDC NR. 237004
CONTRACT NR. AF 18<600>-479
PROJ/TASK NR. 9760-37600

AFOSR TR 60-90
MINNESOTA UNIV OF MINNEAPOLIS
STUDY OF THE NATURAL AND INDUCED MAGNETIC SPECTRA OF SOME FERRITES FINAL REPORT JUL 1960
BY MORRISH A H DDC NR. 242662
BROWN W F CONTRACT NR. AF 18<603>-113
PROJ/TASK NR. 9760-37601

AFOSR TR 60-92
TUFTS UNIV MEDFORD MASS
SURVEY OF OPERATIONS AND SYSTEMS RESEARCH
LITERATURE JAN 1960
BY RABEN M W DDC NR.
SAUL E CONTRACT NR. NONR 494-13
PROJ/TASK NR. 9778-37706

AFOSR TR 60-93
NEW YORK UNIV NY
HIGH-SPEED GAS DYNAMICS AUG 1960
BY WHITHAM G. B. DDC NR. 244213
KELLER, H. B.<P.I.> CONTRACT NR. AF 49<638>-446
PROJ/TASK NR. 9781-37712

AFOSR TR 60-94
ATLANTIC RSCH CORP ALEXANDRIA, VA.
TURBULENT FLAME STUDIES IN TWO-DIMENSIONAL OPEN BURNERS JUN 1960
BY FELES E. N. DDC NR. 287793
GROVER J. H. CONTRACT NR. AF 49<638>-510
PROJ/TASK NR. 9751-37510

AFOSR TR 60-95
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
FRICTION DRAG ON BLADED DISCS IN HOUSING DEC 1959
BY MANN R. W. DDC NR. 244482
MARSTON C. H. CONTRACT NR. AF 49<638>-289
PROJ/TASK NR. 9752-37521

AFOSR TR 60-96
PRINCETON UNIV N J
OXIDATION OF METALS AND ALLOYS 1JA59-30JE60 JUN 1960
BY BIRCHENALL DDC NR. 241462
PROJ/TASK NR. AF 49<638>-533
PROJ/TASK NR. 9761-37611

AFOSR TR 60-98
BELL AIRCRAFT CORP. BUFFALO, NY
OBSERVATION OF PROPELLANTS INJECTED INTO A FIRING ROCKET CHAMBER JUL 1960
BY ROSSMANN T. G. DDC NR. 243514
REINHARDT, T.F.<P.I. CONTRAC: NR. AF 49<638>-260
PROJ/TASK NR. 9751-37510

AFOSR TR 60-99
ALABAMA UNIV UNIVERSITY
A STUDY OF THE CHEMISTRY OF NIOBIUM AND ITS REPATED ELEMENTS JUL 1960
BY KASSNER J L DDC NR. 251857
CONTRACT NR. AF 18<600>-1567
PROJ/TASK NR. 9763-37630

AFOSR TR 60-100
PRINCETON UNIV, PRINCETON, N.J.
ABALYTIC SPACES, PART II
BY ROSSI H DDC NR. 241307
CONTRACT NR. AF 49<638>-692
PROJ/TASK NR. 9783-37727

AFOSR TR 60-101
DREXEL INST OF TECHNOLOGY, PHILADEPHIA, PA
THE CLIMATIC AND HYDROLOGIC FACTORS AFFECTING THE REDISTRIBUTION OF SR 90 JUN 1960
BY MATHER, J. R. DDC NR. 241890
NAKAMURA J. K. CONTRACT NR. AF 49.638-409
THORNTHWAITE C W PROJ/TASK NR. 9774-37665

AFOSR TR 60-103
KENT STATE UNIV OHIO
THE MEASUREMENT OF THE PROTON-PROTON SEPARATIONS IN APPROPRIATE HYDRATES BY TH NUCLEAR MAGNETIC RESONANCE TECHNIQUE AUG 1960
BY MCGRATH J. W. DDC NR. 241697
SILVIDI A. A. CONTRACT NR. AF 49<638>-168
PROJ/TASK NR. 9768-37650

AFOSR TR 60-106
CONFERENCE ON PHYSICAL CHEMISTRY IN AERODYNAMICS AND SPACE FLIGHT, UNIV OF PENNA, SEP 1959, SPONSORED BY AFOSR AND GE. PLANETARY AND SPACE SCIENCE FEB 1961
BY DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR TR 60-107
DETROIT UNIV OF MICH
DEVELOPMENT O/A MATHEMATICAL THEORY OF PLASTICITY BASED ON THE CONCEPT OF SLIP III SEP 1960
BY PAYNE H DDC NR. 242245
CZYZAK S J CONTRACT NR. AF 18<600>-1466
SOW N PROJ/TASK NR. 9763-37631
KONSOWSKI JR S G

AFOSR TR 60-108
WISCONSIN UNIV OF MADISON
RESEARCH ON RENAL TUBULAR TRANSPORT BY MEANS OF STOP FLOW ANALYSIS JUL 1960
BY WILLIAMSON H E DDC NR. 252725
CONTRACT NR. AF 49<638>-695
PROJ/TASK NR. 9777

AFOSR TR 60-109
IOWA STATE UNIV AMES
FINAL REPORT RESEARCH ON HEAT CAPACITY LAG IN GASES AUG 1960
BY LEGVOLD S DDC NR. 242859
VALLEY L. H. CONTRACT NR. AF 18<600>-1496
PROJ/TASK NR. 9751-37511

AFOSR TR 60-110
JOHNS HOPKINS UNIV BALTIMORE, MD.
FINAL SUMMARY REPORT ON TRANSIENT STUDIES OF IONIZATION AND DEIONIZATION PROCESSES IN IONIZATION AND DEIONIZATION PROCESSES IN GASEOUS DISCHARGES JUL 1960
BY KERR D E DDC NR.
CONTRACT NR. AF 18<600>-363
PROJ/TASK NR. 9767

AFOSR TR 60-111
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
NEUTRON AND X-RAY DIFFRACTION STUDIES OF SOLIDS JAN 1960
BY SHULL C G DDC NR. 245613
CONTRACT NR. AF 18<603>-84
PROJ/TASK NR. 9763-37631

AFOSR TR 60-112
ROCKETDYNE, CANOGA PARK, CALIF
EXPERIMENTAL ELECTRICAL PROPULSION JUL 1960
BY DULGEROFF C. R. DDC NR. 243217
SEELE G. D. CONTRACT NR. AF 49<638>-351
BODEN R H PROJ/TASK NR. 9752-37521

AFOSR TR 60-115
OKLAHOMA STATE UNIV
STUDIES ON URFASE AUG 1960
BY GORIN G DDC NR. 243799
BUTLER L G CONTRACT NR. AF 18<603>-135
KATYAL J M PROJ/TASK NR. 9777-37702
BUCKLEY J E
BUTLER M F

AFOSR TR 60-116
MICHIGAN UNIV OF ANN ARBOR
THE EFFECT OF SURFACE TENSION OF A LIQUID METAL ENVIRONMENT ON THE FRACTURE STRENGTH OS SOLID METALS JUL 1960
BY KRAAI D A DDC NR. 242716
FLOREEN S CONTRACT NR. AF 49<638>-422
STICKLES C A PROJ/TASK NR. 9761-37611
HUCKE E F
RAGONE D V

AFOSR TR 60-117
RENSSELAER POLYTECHNIC INST TROY N Y
WELDING ASPECT OF SLIDING FRICTION BETWEEN UNLUBRICATED SURFACES JUN 1960
BY LING F F DDC NR. 243444
CONTRACT NR. AF 49<638>-67
PROJ/TASK NR. 9761-37611

AFOSR TR 60-118
MICHIGAN UNIV OF ANN ARBOR
MOLECULAR FRAGMENTS IN SHOCK WAVES AUG 1960
BY BERRY R S DDC NR. 244842
CONTRACT NR. AF 49<638>-538
PROJ/TASK NR. 9760-37600

AFOSR TR 60-119
WISCONSIN UNIV OF MADISON
STUDIES ON THE INTERNAL CLOCK REGULATING DAILY ACTIVITY RHYTHMS IN RODENTS FINAL REPORT AUG 1960
BY DECOURSEY P J DDC NR. 244958
CONTRACT NR. AF 49<638>-691
PROJ/TASK NR. 9777-37701

AFOSR TR 60-123
NAPLES UNIV OF ITALY
PART I, FINAL REPORT-TURBULENT MIXING OF STREAMS OF DIFFERENT GASSES JUL 1960
PART II LAMINAR MIXING IN THE PRESENCE OF AXIAL PRESSURE GRADIENTS OCT 1960 /CY DIV
BY NAPOLITANO L G DDC NR. 252882
BY NAPOLITANO L G DDC NR. 252883
PAZZI, A. CONTRACT NR. AF 61<052>-160
PROJ/TASK NR. 9781-37712

AFOSR TR 60-124
KENTUCKY UNIV OF LEXINGTON
ELECTRICAL OPTICAL AND THERMAL PROPERTIES OF THE M2 VB N3 VIB SEMICONDUCTORS FINAL REPORT OCT 1961
BY GILDART L DDC NR. 268436
CONTRACT NR. AF 49<638>-90
PROJ/TASK NR. 9762-37621

AFOSR TR 60-125
WAYNE STATE UNIV DETROIT MICH
PREPARATION AND PROPERTIES OF CUPROUS OXIDE AND CUPROUS OXIDE PHOTOVOLTAIC CELLS AUG 1960
BY TRIVICH D DDC NR. 249116
TOTH R S CONTRACT NR. AF 18<600>-481
PROJ/TASK NR. 9761-37610

AFOSR TR 60-126
COLORADO UNIV OF BOULDER
THE THERMO CHEMISTRY AND PHOTOCHEMISTRY OF ORGANIC HALOGEN COMPOUNDS PART I II III SEP 1960
BY LACHER J R — DDC NR. 265663 — CONTRACT NR. AF 49(638)-261 — PROJ/TASK NR. 9762-37620

AFOSR TR 60-127
COMBUSTION INST. PITTSBURGH, PA
ABSTRACTS OF PAPERS OF THE 8TH SYMPOSIUM (INTERNATIONAL) ON COMBUSTION CALIFORNIA INST TECH. PASADENA 28 AUG-SEP 1960
WILLIAMS & WILKINS CO. BALTIMORE, MD 1962
BY LEWIS, B. (ED.) — DDC NR. — CONTRACT NR. AF 49(638)-869 — PROJ/TASK NR. 9751-37510

AFOSR TR 60-128
ARMOUR RSCH FOUND CHICAGO ILL
PRESSURE EFFECTS INOLUMINESCENCE SEP 1960
BY BRIPPEL L — DDC NR. 265196 — CONTRACT NR. AF 49(638)-119 — PROJ/TASK NR. 9761-37611

AFOSR TR 60-129
HARVARD UNIV CAMBRIDGE MASS
THE EFFECTS OF AUDIFACES ON COMMUNICATORS SINAL
REPORT SEP ,960
BY BAUER R A — DDC NR. 266881 — CONTRACT NR. AF 49(638)-686 — PROJ/TASK NR. 9779-37799
DE SOLA POOL I
ZIMMERMAN C
GRANT R

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BY BALLUFFI R W — DDC NR. 265088 — CONTRACT NR. AF 18(603)-106 — PROJ/TASK NR. 9760-37601

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BY BIEUGET C — DDC NR. 265582 — CONTRACT NR. AF 49(638)-68 — PROJ/TASK NR. 9761-37611
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MECHANICAL AND ELECTRICAL PHENOMENA OF THE HEART ACTION MAR 1960
BY ERNSTHAUSEN W — DDC NR. 266210 — CONTRACT NR. AF 61(514)-1061 — PROJ/TASK NR. 9777-37701
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BY YEH H, T. — DDC NR. 266622 — CONTRACT NR. AF 49(638)-21 — PROJ/TASK NR. 9781-37712

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BY MILLER S I — DDC NR. 266690 — CONTRACT NR. AF 49(638)-39 — PROJ/TASK NR. 9762-37620

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BY THOMSON R — DDC NR. 251103 — CONTRACT NR. AF 49(638)-420 — PROJ/TASK NR. 9760-37601
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BY HALL J. G. — DDC NR. 251084 — CONTRACT NR. AF 18(603)-10 — PROJ/TASK NR. 9781-37729
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BY FISHER M — DDC NR. 267617 — CONTRACT NR. AF 18(600)-1300 — PROJ/TASK NR. 9761-37511

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BY ROBERTS E — DDC NR. — CONTRACT NR. AF 49(638)-966 — PROJ/TASK NR. 9771-37706

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BY BLOIS M S — DDC NR. 267618 — CONTRACT NR. AF 18(600)-1511 — PROJ/TASK NR. 9777-37707
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BY ORA STAFF — DDC NR. — CONTRACT NR. — PROJ/TASK NR.

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BY CARR H F — DDC NR. 260479 — CONTRACT NR. — PROJ/TASK NR.
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MYLONAS C — PROJ/TASK NR. 9761-37631

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BY LIEBER, E — DDC NR. 268622 — CONTRACT NR. AF 49(638)-676 — PROJ/TASK NR. 9760-37600
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BY BORGATTA E F — DDC NR. 268653 — CONTRACT NR. AF 49(638)-195 — PROJ/TASK NR. 9778-37707

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BY BULLOFF J. J. — DDC NR. — CONTRACT NR. AF 49(638)-695 — PROJ/TASK NR. 9760-37650
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BY WALDROM W J — DDC NR. 266969 — CONTRACT NR. AF 61(514)-1102 — PROJ/TASK NR. 9760-37601
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BY STERN K H
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CONTRACT NR. AF 49(638)-653
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BY CHRAPLYVY Z V
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BY STRODT W.
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AFOSR TR 60-175
U.S. LIBRARY OF CONGRESS, WASH DC
BIBLIOGRAPHY OF AVIATION MEDICINE
BY JACOBIUS A. J.
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DDC NR. 249805
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BY CUBICCIOTTI D
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BY ARGAN, P. E.
GIGLI, A.
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POLYTECHNIC INST OF BROOKLYN NY
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BY CHOPRA, K. P.
FERRI A<PI>
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POLYTECHNIC INST OF BROOKLYN NY
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BY VAGLIO-LAURIN, R.
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BY KOGA, T.
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AFOSR 4
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THE GROUND STATE OF LIQUID HELIUM <MASS 4>
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BY WU, F. Y.
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MARYLAND UNIV OF COLLEGE PARK
AN ANALOGUE OF THE SPHERICAL HARMONICS FOR THE EQUATIONS OF ELASTICITY NOV 1960
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BY BRAMBLE J H
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MINNESOTA UNIV OF MINNEAPOLIS
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BY SERRIN J B
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HARVARD UNIV, CAMBRIDGE, MASS
CURVATURE PROPERTIES OF TEICHMULLER-S SPACE
J D-ANAL MATH 9 161-176 1961
BY AHLFORS, L. V.
WALSH, J.<P.I.>
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HARVARD UNIV, CAMBRIDGE, MASS
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BY WALSH, J. L.
DDC NR. 256014
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HARVARD UNIV CAMBRIDGE, MASS
ON THE BOUND STATES OF A GIVEN POTENTIAL
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BY SCHWINGER, J.
GLANBER R J<PI>
DDC NR. 251523
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AFOSR 11
BRITISH COLUMBIA UNIV OF, VANCOUER, CAN
PERMANENT PRESERVERS ON THE SPACE OF DOUBLY STOCHASTIC MATRICES
CAN J MATH 14,*190-194,* 1962
BY MOYLS, B. N.
MARCUS M.
MINC H.
MOYLS B. N. <P.I.>
DDC NR. 258986
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PROJ/TASK NR. 9769-37658

AFOSR 12
BRITISH COLUMBIA UNIV OF, VANCOUVER, CAN,
ON THE RELATION BETWEEN THE DETERMINANT & THE PERMANENT
ILL J MATH 5,* 376-381,* SEP 1961
BY MARCUS M.
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MOYLS B. N. <P.I.>
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AFOSR 13
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1 THE PERMANENT FUNCTION MARVIN MARCUS, F C MAY
2 ON THE RELATION BETWEEN THE DETERMINANT AND THE PERMANENT, MARVIN MARCUS, HENRY R MINC
3PERMANENT PRESERVERS ON THE SPACE OF DOUBLY STOCHASTIC MATRICES, B N MOYLS, MARVIN MARCUS HENRY K MINC
CAN J MATH 14,* 177-189,* 1962
BY MARCUS M.
MAY F. C.
MOYLS B. N. <P.I.>
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AFOSR 14
NORTHWESTERN UNIV EVANSTON, ILL
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SCOTT, W. T.
DDC NR. 249813
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AFOSR 15
CAMBRIDGE UNIV OF ENGLAND
EFFECT OF STRAIN-RATE ON THE FLOW STRESS OF F.C.C METALS TWINING IN ALLOYS AT LOW TEMPERATURES PT. 1. FURTHER OBSERVA OF DEFORMATION JAN 1961
BY HIRSCH P B
MITCHELL T E
THORNTON P R
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POLITECNICO DI TORINO ITALY
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BY JARRE G — DDC NR. 258111
FERRARI, C<P.I.> — CONTRACT NR. AF 61<052>-208
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PRINCETON UNIV, N.J.
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AEROCHEM RSCH LABORATORIES, INC, PRINCETON, NJ
THEORY OF DIFFERENTIAL CATALYTIC PROBES FOR THE DETERMINATN
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STREAMS OF PARTIALLY DISSOCIATED GASES OCT 1960
BY ROSNER, D. E. — DDC NR. 256660
CALCOTE, H. F.<P .I. — CONTRACT NR. AF 49<638>-300
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REPUBLIC AVIATION CORP, FARMINGDALE, NY
AN ANALYTICAL APPROACH TO THE PROBLEM OF PINCH DYNAMICS
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BY BOA-TEH CHU — DDC NR. 252112
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CORNELL UNIV ITHACA, NY
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29 297-305 TAR 1962
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GENERAL ELECTRIC CO PHILADELPHIA PA.
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BY SCALA S. M. — DDC NR. 250672
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SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
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NORTHWESTERN UNIV CHICAGO
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PHYSICAL PROPERTIES OF THE PROTEIN DETERGENT COMPLEX
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BY DOWBEN R M — DDC NR.
KOEHLER W R — CONTRACT NR. AF 49<638>-321
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AFOSR 25
MARYLAND UNIV OF COLLEGE PARK
AN OPTICAL ANALOG TO THE MOTION OF MAGNETICALLY TRAPPED
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BY STERN, D. — DDC NR. 249719
SINGER S F<PI> — CONTRACT NR. AF 49<638>-530
PROJ/TASK NR. 9774-37665

AFOSR 26
HARVARD UNIV CAMBRIDGE, MASS
BROWNIAN MOTION OF A QUANTUM OSCILLATOR
J MATH PHYS 2 407-432 NY-JE 1961
BY SCHWINGER, J. — DDC NR.
GLANBER R J<PI> — CONTRACT NR. AF 49<638>-589
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AFOSR 27
CALIF, UNIV OF, BERKELEY
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BY ROSENLICHT M. — DDC NR. 254675
CONTRACT NR. AF 49<638>-603
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AFOSR 28
CASE INST OF TECHNOLOGY, CLEVELAND, O
ESTIMATION OF SAMPLE SIZE 1960
BY JOHNSON N. L. — DDC NR. 249551
LEONE F. C. <P.I.> — CONTRACT NR. AF 49<638>-361
PROJ/TASK NR. 9783-37727

AFOSR 30
CALIFORNIA UNIV OF BERKELEY
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IRE TRANS ON AUTOMATIC CONTROL AC-6 111-125 MAY 1961
BY DESOER, C. A. — DDC NR.
WING, J. — CONTRACT NR. AF 18<600>-1521
JURY E I<PI> — PROJ/TASK NR. 9768-37650

AFOSR 31
STANFORD UNIV CALIF
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BRACEWELL R N<PI> — CONTRACT NR. AF 18<603>-59
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AFOSR 32
CORNELL UNIV ITHACA, NY
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CHEM PHYS 34 2050-2056 1961
BY WIDOM, B. — DDC NR. 261628
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AFOSR 33
MINNESOTA UNIV OF MINNEAPOLIS
INITIALLY WARPED SANDWICH PANEL UNDER COMBINED LOADINGS
J AERO/SP SCI 27 779-787 OCT 1960
BY CHANG, C. C. — DDC NR. 249009
FANG, B. T. — CONTRACT NR. AF 18<603>-112
PROJ/TASK NR. 9782-37710

AFOSR 34
STANFORD UNIV CALIF
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BY RHODES, R. H. — DDC NR. 256910
BURGESS, J. H. — CONTRACT NR. AF 18 <603>-131
EDELSTEIN, A. S. — PROJ/TASK NR. 9751-02
PAKE G E<PI>

AFOSR 35
PUERTO RICO UNIV OF MAYAGUEZ
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BY DUENO, B. — DDC NR. 252696
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MASS, INST OF TECHNOLOGY CAMBRIDGE
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BY CULICK F. E. C. — DDC NR.
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AFOSR 37
RIAS INC BALTIMORE MD
BOUNDED AND ALMOST PERIODIC SOLUTIONS OF
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BY HALE J K — DDC NR.
SEIFERT G — CONTRACT NR. AF 49<638>-382
LEFSCHETZ, S — PROJ/TASK NR. 9783-37726

AFOSR 38
MARYLAND UNIV OF COLLEGE PARK
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PHYS FLUIDS 4,9 1232-1237 OCT 161
BY PAI S. I. — DDC NR. 249846
SPETH A. I. — CONTRACT NR. AF 49<638>-401
BURGERS J. M. <P.I.> — PROJ/TASK NR. 9781-37713

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BY JACOBSON, N. — DDC NR. 263971
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PT 1 ACTA CHEM SCAND 15 407 416 1961
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BY HASSEL O — DDC NR. 252389
HOPE H — CONTRACT NR. AF 61<052>-71
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BY MILLAN, G. — DDC NR. 261742
DA RIVA, I. — CONTRACT NR. AF 61<052>-221
PROJ/TASK NR. 9751-37510

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TECHNION RSCH & DEVEL FOUND, HAIFA, ISRAEL
RESEARCH ON THE CROSS-STRESSES IN THE FLOW OF RAREFIED AIR
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A FOUR, M. REINER SECOND ORDER EFFECTS IN THE TORSIONAL
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BY REINER, M. — DDC NR. 258433
CONTRACT NR. AF 61 <052>-223
PROJ/TASK NR. 9781-37712

AFOSR 65
OHIO STATE UNIV COLUMBUS
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ACID AND DI-T-BUTYLKETENE
JACS 82 2498 2501 MAY 1960
BY NEWMAN M S — DDC NR. —
AREFLL A — CONTRACT NR. AF 33(616)-3417
FURUKAWA, T — PROJ/TASK NR. 9762-57620

AFOSR 66
MIAMI UNIV FLA
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BY BITTER M L — DDC NR. 259967
CONTRACT NR. AF 18(600)-685
PROJ/TASK NR. 9760-57600

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MARYLAND UNIV OF COLLEGE PARK
THE CONTAINMENT OF PINCHED DISCHARGE BY AN AXIAL MAGNETIC
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BY JASEI, R. K. — DDC NR. 269677
MONTROLL E W(PI) — CONTRACT NR. AF 18(600)-1515
PROJ/TASK NR. 9791-57911

AFOSR 68
RENSSELAER POLYTECHNIC INST TROY, N.Y.
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BY WANG, H. C. — DDC NR. 252591
TY LI(PI) — CONTRACT NR. AF 18(600)-1591
PROJ/TASK NR. 9781-57713

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RENSSELAER POLYTECHNIC INST TROY NY
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BY LI, T. Y. — DDC NR. 252592
CONTRACT NR. AF 18(600)-1591
PROJ/TASK NR. 9781-57713

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CALIFORNIA INST OF TECHNOLOGY, PASADENA
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BY TRAVIMS, G. — DDC NR. —
GREENSTEIN G L(PI) — CONTRACT NR. AF 49(638)-21
PROJ TASK NR. 9776-57665

AFOSR 71
PRINCETON UNIV, N.J.
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BY TSU, R. — DDC NR. —
BOUDART, M. — CONTRACT NR. AF 49(638)-32
PROJ/TASK NR. 9791-57910

AFOSR 72
VIRGINIA UNIV OF CHARLOTTESVILLE
DEVELOPMENTS IN TOPOLOGICAL ANALYSIS DEC 1960
BY WHYBURN, G. T. — DDC NR. 256687
CONTRACT NR. AF 49(638)-72
PROJ/TASK NR. 9781-57727

AFOSR 73
CALIFORNIA UNIV OF BERKELEY
MASER OSCILLATOR LINE SHAPES
QUANTUM ELECTRONICS-SYMPOSIUM 1960 PP. 529-529
BY SINGER, J. R. — DDC NR. 251730
WHINNERY J R(PI) — CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9760-57650

AFOSR 74
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
GENERAL AREA OF PLASMA DYNAMICS IN MAGNETIC FIELDS FINAL
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BY BOSTICK, W. H. — DDC NR. 269302
CONTRACT NR. AF 49(638)-196
PROJ/TASK NR. 9760-57650

AFOSR 75
CALIFORNIA UNIV OF BERKELEY, CALIF
PERFORMANCE ANALYSIS OF SHOCK TUBES WITH AREA CHANGE AT THE
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BY OPPENHEIM, A. K. — DDC NR. 259262
UBLIG, D. A. — CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9791-57910

AFOSR 76
POLYTECHNIC INSTITUTE OF BROOKLYN
A NOTE ON THE APPLICATION OF THE HEAT BALANCE INTEGRAL TO
PROBLEMS OF NON-PLANAR GEOMETRY JAN 1961
BY LARDNER, T. J. — DDC NR. 250719
POHLE, F. V. — CONTRACT NR. AF 49(638)-302
KEMPNER J(PI) — PROJ/TASK NR. 9782-57711

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POLYTECHNIC INST OF BROOKLYN NY
A METHOD OF REDUCING THE HEAT TRANSFER TO ANNULAR SHOCK
GENERATORS (U) CONFIDENTIAL REPORT JANUARY 1961
BY AIELLO, G. — DDC NR. 921692
ZAKKAY, V. — CONTRACT NR. AF 49 (638)-649
FERRI A(PI) — PROJ/TASK NR. 9781-57712

AFOSR 78
PENNSYLVANIA UNIV UNIVERSITY PARK
RADICAL REARRANGEMENTS IN BROMOALKYL RADICALS
JACS 83 504 509 JAN 1961
BY SEELL P S — DDC NR. 256696
ALLEN A O — CONTRACT NR. AF 49(638)-697
GILMOUR R O — PROJ/TASK NR. 9760-57600

AFOSR 81
CALIFORNIA INST OF TECHNOLOGY PASADENA
STEADY FLOW OF A CONDUCTING FLUID PAST AN AXIALLY
SYMMETRIC BODY IN THE PRESENCE OF A UNIFORM MAGNETIC FIELD
J FLUID MECH 9 479 497 1960
BY CHANG I D — DDC NR. 250176
LAGERSTROM P A — CONTRACT NR. AF 49(638)-921
PROJ/TASK NR. 9789-57727

AFOSR 82
HARVARD UNIV, CAMBRIDGE, MASS
[illegible] REPRESENTATION OF [illegible] THEOREM ON THE ZEROS OF
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BY WALSH, J. L. — DDC NR. 256838
CONTRACT NR. AF 49(638)-576
CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9769-57650

AFOSR 83
HARVARD UNIV CAMBRIDGE MASS
DEGREE OF POLYNOMIAL APPROXIMATION TO AN ANALYTIC FUNCTION
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BY WALSH, J. L. — DDC NR. 256819
CONTRACT NR. AF 49(638)-576
CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9769-57650

AFOSR 84
NEW YORK UNIV N Y
TRANSIENT ANALYSIS OF INTERACTING DYNAMICAL SYSTEMS BY
THE PRINCIPLE OF ENERGY TRANSFORMATION
BY CHANG S S L — DDC NR. 269562
BAGAZZINI J R — CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. [illegible]

AFOSR 85
WASHINGTON STATE UNIV PULLMAN
KINETIC STUDY OF THE PYROLYSIS OF 1, 2-DIARYLETHYL
ACETATES IN
JACS 83 3667-3683 SEP 1961
BY SMITH G G — DDC NR. —
BAGLEY, F — CONTRACT NR. AF 49(638)-616
TAYLOR, R — PROJ/TASK NR. 9760-57650

AFOSR 86
TECHNICAL RSCH GROUP INC STOSSET NY
TIME DEVELOPMENT OF THE BEAM FROM THE RUBY LASER
PROC OPT SOC AMER 1961 SPRING MTG PITTSBURGH PA SYMP ON
OPTICAL MASERS IV
BY MARTIN R L — DDC NR. —
CONTRACT NR. AF 49(638)-679
PROJ/TASK NR. 9760-57650

AFOSR 87
TECHNICAL RSCH GROUP INC STOSSET NY
CHARACTERISTICS OF THE RUBY LASER
PROC OPT SOC AMER 1961 SPRING MTG PITTSBURGH PA SYMPOS
OPTICAL MASERS IV
BY ZARONIA C — DDC NR. —
MARTIN R L — CONTRACT NR. AF 49(638)-679
PROJ/TASK NR. [illegible] 57650

AFOSR 88
TECHNICAL RSCH GROUPS INC STOSSET NY
OPTICAL PUMPING OF CESIUM VAPOR
PROC OPT SOC AMER 1961 SPRING MTG PITTSBURGH PA SYMP ON
OPTICAL MASERS IV
BY JACOBS S — DDC NR. —
RABINOWITZ P — CONTRACT NR. AF 49(638)-679
GOULD G — PROJ/TASK NR. 9760-57650

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TECHNICAL RSCH GROUP INC STOSSET NY
FLUORESCENCE OF THE CR666 PAIR SPECTRUM IN SYNTHETIC RUBY
PROC OPT SOC AMER 1961 SPRING MTG PITTSBURGH PENNA
SYM ON OPTICAL MASERS (I 5/2-3 6/61
BY DAIY R T — DDC NR. —
CONTRACT NR. AF 49(638)-679
PROJ/TASK NR. 9760-57650

AFOSR 90
CORNELL UNIV ITHACA, NY
SOME STUDIES OF COUETTE-TYPE FLOWS JAN 1961
BY KONDO J. — DDC NR. —
BRADLEY R. (PI.) — CONTRACT NR. AF 49(638)-676
PROJ/TASK NR. 9781-57713

AFOSR 91
PENNSYLVANIA UNIV OF PHILADELPHIA
THE EFFECT OF ESTROGEN ON PLASMA LUTEINIZING HORMONE (LH)
ACTIVITY IN THE RAT
ENDOCRINOLOGY 69 909-914 NOV 1961
BY MCCANN S M — DDC NR. —
TALEISNIK [illegible] — PROJ/TASK NR. 9777-57701

AFOSR 92
OHIO STATE UNIV COLUMBUS
HIGH FREQUENCY OSCILLATION PHENOMENA FINAL REPORT DEC 1960
BY BOOKE, E. M. — DDC NR. 269936
CAMPBELL, R. M. — CONTRACT NR. AF 49(638)-701
CORNFELT, JR, W. M. — PROJ/TASK NR. 9760-57650
DAVIS, D. T.
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AFOSR 93
WASHINGTON STATE UNIV PULLMAN
STUDIES OF SHORT TERM RETENTION III. RECALL AS FUNCTION OF
VERBAL CONTEXT DEC 1960
BY JOHNSTON W A — DDC NR. 256810
LLOYD K E — CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9778-57706

AFOSR 94
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
A METHOD OF ANALYZING THE BOLTZMANN EQUATION OF ELECTRONS
AND ITS APPLICATION TO PLANE OSCILLATIONS OF ELECTRONS IN A
WARM PLASMA DEC 1960
BY KOGA, T. — DDC NR. 251076
CHUAN R L(PI) — CONTRACT NR. AF 49 (638)-811
PROJ/TASK NR. 9789-57725

AFOSR 98
MASSACHUSETTS UNIV OF AMHERST
THE MEASUREMENT OF DYNAMIC BIREFRINGENCE JAN 1961
BY ORGEL S — DDC NR. 260766
KEEDY D A — CONTRACT NR. AF AFOSR 61-28
STEIN R S — PROJ/TASK NR. 9760-57600

AFOSR 79
TECHNICAL RSCH GROUP INC SYOSSET NY
RESEARCH ON PROPERTIES OF LASER DEVICES JUL-DEC 1960
[illegible] FEB 1961>
BY NEWSTEIN M C — DDC NR.
ROTHBERG S A — CONTRACT NR. AF 49(638)-673
DALY R T — PROJ/TASK NR. 4766-12

AFOSR 80
US LIBRARY OF CONGRESS WASH DC
AN ANNOTATED BIBLIOGRAPHY (AEROSPACE MEDICINE AND BIOLOGY)
V.4
BY JACOBIUS, A. J. — DDC NR.
KENK, R. — CONTRACT NR. NAONR 47-59
MARRO, E. — PROJ/TASK NR. 9783-37728
PLAVNIEKS, I. M.
VOULGARIS, K.
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NATIONAL BUREAU OF STANDARDS WASH DC
THERMODYNAMIC CONSTANTS FOR THE ASSOCIATION OF ISOMERIC CHLOROBENZOIC AND TOLUIC ACIDS WITH 1, 3 DIPHENYLGUANIDINE IN BENZENE
J RSCH 65A 209-213 1961
BY DAVIS M M — DDC NR.
HETZER, B — CONTRACT NR. CSO-670-55-21
PROJ/TASK NR.

AFOSR 82
CALIFORNIA INST OF TECHNOLOGY PASADENA
ON THE INDEX OF REFRACTION OF SPATIALLY PERIODIC PLASMA
BY PAPAS, C. H. — DDC NR. 251880
CONTRACT NR. AF 18(600)-1113
PROJ/TASK NR. 9768-37650

AFOSR 84
NORTH CAROLINA UNIV OF CHAPEL HILL
ON METHODS OF CONSTRUCTING SETS OF MUTUALLY ORTHOGONAL LATIN SQUARES USING A COMPUTER, II
BY BOSE, R. C. — DDC NR. 251134
CHAKRAVARTI, I. M. — CONTRACT NR. AF 49 (638)-213
KNUTH, D. E. — PROJ/TASK NR. 9769-37658

AFOSR 85
NORTH CAROLINA UNIV OF CHAPEL HILL
FURTHER RESULTS ON ERROR CORRECTING BINARY GROUP CODES
BY BOSE, R. C. — DDC NR. 251137
RAY-CHAUDHURI, D. K. — CONTRACT NR. AF 49 (638)-213
PROJ/TASK NR. 9769-37658

AFOSR 86
NORTH CAROLINA UNIV OF CAMPEL HILL
THEOREMS IN THE ADDITIVE THEORY OF NUMBERS NOV 1960
BY BOSE, R. C. — DDC NR.
CHOWLA, S. — CONTRACT NR. AF 49(638)-21[illegible]
PROJ/TASK NR. 9769-37658

AFOSR 87
NORTH CAROLINA UNIV OF CHAPEL HILL
ON THE DIFINITION OF A CERTAIN CLASS OF AUTOMATA JAN 1961
BY SCHUTZENBERGER, M. — PRDDC NR. 260709
BOSE, R. C.(P.I.) — RCONTRACT NR. AF 49(638)-213
RPROJ/TASK NR. 9769-37658

AFOSR 88
TORONTO UNIV OF CAN
THE DESIGNING DYNAMIC PRESSURE STAGES FOR HIGH-PRESSURE HIGH-VACUUM SYSTEMS AUG 1961
BY SCHUMACHER, B. W. — DDC NR.
PATTERSON G N(PI) — CONTRACT NR. AF 49(638)-281
PROJ/TASK NR. 9783-37725

AFOSR 90
MINNESOTA UNIV OF MINNEAPOLIS
POLAROGRAPHIC AND ACID PROPERTIES OF THORIUM PERCHLORATE IN ACETONITRILE
J PHYS CHEM 65 1020-1026 1961
BY KOLTHOFF I M — DDC NR. 261246
IKEDA S — CONTRACT NR. AF 49(638)-519
PROJ/TASK NR. 9763-37630

AFOSR 91
ROCHESTER UNIV OF NY
PHOTON DEGENERACY IN LIGHT FROM OPTICAL MASER AND OTHER SOURCES
J OPT SOC OF AMER 51 797-798 JUL 1961
BY MANDEL, L. — DDC NR.
HOPKINS R E(PI) — CONTRACT NR. AF 49 (638)-602
WOLF E(PI) — PROJ/TASK NR. 9768-37650

AFOSR 92
COLUMBIA UNIV NY
ANTICIPATED ALIGNMENTS OF NATIONS IN THE COLD WAR JAN 1961
BY NEHNEVAJSA J — DDC NR. 251732
CONTRACT NR. AF 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR 93
NORTHWESTERN UNIV EVANSTON ILL
HETEROGENEOUS CATHLYSIS IN LIQUID SYSTEMS FINAL REPORT JAN 1961
BY CIOLA R — DDC NR. 250207
CARTER J — CONTRACT NR. AF 18(603)-132
NEWMAN J — PROJ/TASK NR. 9761-37610
BURWELL JR R L

AFOSR 94
CALIFORNIA UNIV OF BERKELEY
THE EFFECTS OF GROUP MEMBERSHIP UPON RISK-TAKING BEHAVIOR DEC 1960
PSYCH RPTS 8 447-455 1961
BY LONERGAN B G — DDC NR. 252295
MCCLINTOCK C G — CONTRACT NR. AF 49(638)-794
PROJ/TASK NR. 9778-37707

AFOSR 95
WASHINGTON UNIV ST LOUIS, MO
DIVERGENCE-FREE ITERATIVE EXPANSION OF THE S MATRIX IN A FIELD THEORY
PHYS REV 120 [illegible]-1057, NOV 1960
BY HALLER, K. — DDC NR. 255823
CONDON E U(PI) — CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9751-37512

AFOSR 97
STANFORD UNIV CALIF
ELECTRON-PROTON BREMSSTRAHLUNG DEC 1960
BY BERG, R. A. — DDC NR.
LINDNER, C. N. — CONTRACT NR. AF 49(638)-388
SCHIFF L I(PI) — PROJ/TASK NR. 9750-37500

AFOSR 98
PARIS UNIV OF FRANCE
RANGE OF PROTON-ANTIPROTON ANNIHILATION
PHYS REV LTRS 5 380-381 OCT 1960
BY LEVY M — DDC NR. 262331
CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9750-37500

AFOSR 99
WEIZMANN INST OF SCIENCE REHOVOTH ISRAEL
ON THE CALCULATION OF THE T-MATRIX FOR POTENTIALS WITH A HARD CORE SEP 1960
BY LEEUWEN J M J — DDC NR. 253340
REINER A S — CONTRACT NR. AF 61(052)-337
SHALIT A(P.I.) — PROJ/TASK NR. 9750-37500
LIPKIN H J(P.I.)

AFOSR 101
OFFICE OF RESEARCH ANALYSES (IN HOUSE)
DIRECT VARIATIONAL METHODS AND BRACHISTOCHRONE PROBLEMS JAN 1961
BY FOOTE, J R — DDC NR.
BUTLER, T — CONTRACT NR.
PROJ/TASK NR.
ADNEY, J E
THACHER, H C

AFOSR 103
OFFICE OF RESEARCH ANALYSES (IN HOUSE)
THE INFLUENCE OF AIR DENSITY ON THE CAHARACTERISTIC PARAMETERS OF THE OSCULATING ELLIPSE OF A SATELLITE ORBIT FEB 1961
BY ANDERSON, R A — DDC NR.
CONTRACT NR.

AFOSR-104
SPACE RECOVERY SYSTEMS INC
A STUDY OF SOFT RECOVERY MAR 1961
BY KNACKE T W — DDC NR.
PAULSON K R — CONTRACT NR. AF 29(600)-2454
SCHURR G G — PROJ/TASK NR. 7856-78535

AFOSR-105
OLIN MATHIESON CHEMICAL CORPORATION
STUDY OF SUPEROXIDIZERS APR 1961
BY MARTINEZ F — DDC NR.
WOJTOWICZ J A — CONTRACT NR. AF 29(600)-1667
ZASLOWSKY J A(PI) — PROJ/TASK NR. 3827-50260

AFOSR-106
COOK RESEARCH LABORATORIES
DYNAMICS OF SEPARATING BODIES, MEASUREMENT AT MACH 2, 4, AND 5, VOL II, MAR 1961
BY WACKELIN H L — DDC NR.
FREDETTE R O(PI) — CONTRACT NR. AF 29(600)-1711
PROJ/TASK NR. 7856-04

AFOSR-109
COOK RESEARCH LABORATORIES
DYNAMICS OF SEPARATING BODIES, THEORETICAL ANALYSIS, VOL I JUL 1961
BY SOLARSKI A H — DDC NR.
TURNER R — CONTRACT NR. AF 29(600)-1711
FREDETTE R O(PI) — PROJ/TASK NR. 7856-04

AFOSR 110
LUND UNIV OF SWEDEN
OCT 1960 A METHOD FOR MAINTAINING CONSTANT POWER DISSIPATION TO A CALORIMETER CIRCUIT OVER A WIDE TEMPERATURE INTERVAL
BY ROSENGREN, K. — DDC NR. 254331
SUNNER, S. (P.I.) — CONTRACT NR. AF 61(052)-46
PROJ/TASK NR. 9750-37501

AFOSR 111
IST FLETTROTECNICO NAZIONALR GALILEO FERRARIS TORINO ITALY
EFFECT OF X-RAY COLORING ON ADDITIVELY COLORED ALKALI HALIDES 1961
PROC INST CONF COLOR CENTERS AND CRYSTAL LUMINESCENCE TORINO ITALY SEP 1960 PP 55-63
BY BONFIGLIOLI G — DDC NR. 252837
BROVETTO P — CONTRACT NR. AF 61(052)-328
CORTESE C — PROJ/TASK NR. 9760-37601

AFOSR 112
NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN
NOV 1960 ALPHA ACTIVITIES AND MASS NUMBER ASSIGNMENT OF LIGHT ASTATINE ISOTOPES PRODUCED BY HEAVY REACTIONS
BY FORSLING, W. — DDC NR. 253299
ALVAGER, T. — CONTRACT NR. AF 61(052)-118
HOLM, L. W. — PROJ/TASK NR. 9750-37500
MELIN, O.
UHLER, J.
ASTROM, B.
BERZSTROM I(PI)

AFOSR 113
ILLINOIS UNIV OF URBANA
SURFACE STUDIES IN ULTRAHIGH VACUUM BY RADIOTRACER TECHNIQUES JAN 1961
BY VON GOELER E — DDC NR. 252022
FRAUENFEEDER H(PI) — CONTRACT NR. AF 18(603)-49
PROJ/TASK NR. 9761-37611

AFOSR 114
UTAH UNIV OF SALT LAKE CITY
KINETICS OF CHEMICAL REACTIONS FINAL REPORT NOV 1960
BY HILL G R — DDC NR. 251077 — CONTRACT NR. AF 49(638)-28 — PROJ/TASK NR. 9760-37600

AFOSR 115
NORTHWESTERN UNIV EVANSTON ILL
AN EXPERIMENT ON THE INFLUENCE OF ALLOYING ELEMENTS ON THE INTERNAL FRICTION OF COLD WORKED AND QUENCHED MARTENSITIC IRON AND STEEL
TRANS METALL SOC AIME 221 1158-1162 DEC 1961
BY TAMURA I; MURA T; BRITTAIN J O — DDC NR. 250703 — CONTRACT NR. AF 49(638)-780 — PROJ/TASK NR. 9761-37611

AFOSR 116
ILLINOIS UNIV OF URBANA
SOME COMMENTS ON THE AUSTENITE-MARTENSITE INTERFACE
ACTA METALLURGICA 9 1-4 1961
BY WAYMAN C M; READ T A — DDC NR. 253150 — CONTRACT NR. AF 49(638)-420 — PROJ/TASK NR. 9760-37601

AFOSR 117
STANFORD RSCH INST MENLO PARK CALIF
SHOCK WAVE COMPRESSION OF HARDENED AND ANNEALED 2024 ALUMINUM
J APPL PHYS 32 1475-1487 AUG 1961
BY POWLES G R; DUVALL G E — DDC NR. 249875 — CONTRACT NR. AF 49(638)-623 — PROJ/TASK NR. 9760-37601

AFOSR 119
MINNESOTA UNIV OF MINNEAPOLIS
EXPERIMENTS ON DYNAMIC POLARIZATION OF PROTONS IN POLYETHYLENE BY THE SOLID EFFECT A PROPOSED POLARIZED PROTON TARGET
PROC 7TH INT CONF LOW TEMP PHYS TORONTO 1960 P 148-151
BY HWANG C F; SANDERS JR T M — DDC NR. — CONTRACT NR. AF 49(638)-811 — PROJ/TASK NR. 9763-37631

AFOSR 120
NORTHWESTERN UNIV EVANSTON ILL
PRECIPITATE HARDENING IN AN ALUMINUM COPPER ALLOY
PHIL MAG 6 1119-1145 SEP 1961
BY BYRNE J G; FINE M E; KELLY A — DDC NR. 253629 — CONTRACT NR. AF 49(638)-524 — PROJ/TASK NR. 9760-37601

AFOSR 121
KENTUCKY UNIV OF LEXINGTON
A STUDY OF THE TRANSIENT BEHAVIOR AND THE SWITCHING EFFECT IN ANTIMONY TRISULFIDE DEC 1960
BY DAVIS JR J R; GILDART L — DDC NR. 254239 — CONTRACT NR. AF 49(638)-90 — PROJ/TASK NR. 9762-37621

AFOSR 122
ALFRED UNIV N Y
DIFFUSION CONDUCTION AND F-CENTER FORMATION IN IONIC SOLIDS FINAL REPORT 1961
BY GRAY T J; HARRISON P G; PETTICREW R W — DDC NR. 250851 — CONTRACT NR. AF 18(600)-1448 — PROJ/TASK NR. 9760-37601

AFOSR 123
PITTSBURGH UNIV OF PA
THEORY OF THE MAGNETIC ANISOTROPY IN KMNF3
PHYS REV 121 695-702 FEB 1961
BY PEARSON J J; KEFFER F; DEAN C; ANDERSON J H — DDC NR. — CONTRACT NR. AF 49(638)-323 — PROJ/TASK NR. 9760-37601

AFOSR 124
ROCKETDYNE CANOGA PARK CALIF
TRANSVERSE GAS MOTIONS IN CYLINDRICAL AND ANNULAR THRUST CHAMBERS FEB 1961
BY MIRSKY, I.; LAWHEAD, R. B.<P.I.> — DDC NR. 253078 — CONTRACT NR. AF 49(638)-817 — PROJ/TASK NR. 9751-37510

AFOSR 125
MARYLAND UNIV OF COLLEGE PARK
SOME PROBLEMS IN TRAFFIC DELAY DEC 1960
OPERATIONS RSCH 10 74-104 FEB 1962
BY WEISS, G. H.; MARADUDIN, A. A.; MONTROLL E W<PI> — DDC NR. 250499 — CONTRACT NR. AF 18(600)-1315 — PROJ/TASK NR. 9751-37511

AFOSR 126
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE CIRCUMSTELLAR ENVELOPE OF RHS CASSIOPEIAE
ASTROPHYS J 134 142-160 1961
BY SARGENT, W. L. W.; GREENSTEIN J L<PI> — DDC NR. 261992 — CONTRACT NR. AF 49(638)-21 — PROJ/TASK NR. 9774-37663

AFOSR 127
ROCHESTER UNIV OF NY
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PRELIMINARY EXPERIMENTAL INVESTIGATION OF THE FLOW ABOUT
A BLUNT BODY WITH FLOW SEPARATION SPIRES AT MACH 7.0 APR1961
BY ZAKKAY V, DDC NR, 259200
FERRI A(PI) CONTRACT NR, AF 49(638)-649
PROJ/TASK NR, 9781-37717

AFOSR 220
ILLINOIS UNIV URBANA
THE MASS SPECTRUM OF ETHYL-LITHIUM VAPOR
J PHYS CHEM 65 1380-1381 AUG 1961
BY BROWN T DDC NR, 259804
BERLOWITZ J CONTRACT NR, AF 49(638)-668
BOPUS D A PROJ/TASK NR, 9768-37690

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OREGON UNIV OF EUGENE
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NITROGEN METEROCYCLES ON ALUMINA STUDIE WITH AL MICA
IMPREGNATED GLASS PAPER
J CHROMATOGRAPHY 6 620-626 FEB 1961
BY ELFORD L W DDC NR,
CHIANG F CONTRACT NR, AF 49(638)-671
MAR E V A PROJ/TASK NR, 9761-37610
ANTONIADES P P
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AFOSR 222
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BY HELLERSTEIN S, DDC NR, 259606
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PROJ/TASK NR, 9781-37717

AFOSR 224
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DISSOCIATION CROSS SECTION NOV 1960
BY GROSSMANN S, DDC NR, 251236
LINDAU G(PI) CONTRACT NR, AF 61(052)-217
PROJ/TASK NR, 9761

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A STUDY OF THE INTERNAL FIELDS ACTING ON IRON NUCLEI
IN IRON GARNETS USING THE RECOIL-FREE ABSORPTION IN FE 57
OF THE 14.4 KEV GAMMA RADIATION FROM FE 57 M
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BY BAUMINGER DDC NR, 251235
COHEN S G CONTRACT NR, AF 61(052)-367
MARINOV A PROJ/TASK NR, 9761-37611
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ROYAL INST OF PHYSICS, STOCKHOLM SWEDEN
USE OF CATHODE RAY TUBES IN
PULSE HEIGHT SPECTROSCOPY DEC 1960
BY THIFFEAULT P, DDC NR, 254071
BERGSTROM I, CONTRACT NR, AF 61(052)-110
ASTROM B, (PI.)+ PROJ/TASK NR, 9760-37600

AFOSR 227
WEIZMANN INST OF SCI REHOVOTH ISRAEL
ON THE TREATMENT OF A PERTURBATION IN A SYSTEM OF PAIRED
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LIPKIN H J PROJ/TASK NR, 9760-37600

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JAN 1961 CHARGED-COLLOID PROPULSION SYSTEM
QUARTERLY REPORT NR2, OCT-DEC1960
BY EDMONSON R.A. DDC NR, 254587
LOETSCHER K.P. CONTRACT NR, AF 49(638)-656
MILES W.C. PROJ/TASK NR, 9712-37671

AFOSR 229
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON THE THEORY OF TRANSONIC AIRFOIL BUZZ DEC 1960
BY FRANKLIN H. DDC NR, 252957
[illegible] CONTRACT NR, AF 49(638)-919
PROJ/TASK NR, 9781-37717

AFOSR 230
MANITOBA UNIV OF WINNIPEG CAN
THEORY OF ORTHOMORPHISMS OF GROUPS AND
ORTHOGONAL LATIN SQUARES 1961
BY JOHNSON D.M. DDC NR, 252056
DULMAGE A.L. CONTRACT NR, AF 49(638)-860
MENDELSOHN N.S. PROJ/TASK NR, 9769-37650

AFOSR 231
MINNESOTA UNIV OF MINNEAPOLIS
A CONVERGENCE EQUIVALENCE RELATED TO
POLYNOMIAL ORTHOGONAL ON THE UNIT CIRCLE
TRANS 99 471-487 JUN1961 AMER MATH SOC
AYYER G.E. DDC NR,
CONTRACT NR, AF-AFOSR-61-6
PROJ/TASK NR, 9782-37922

AFOSR 232
[illegible] UNIV OF NEVADA
DETERMINANTS OF A CERTAIN CLASS OF NON-HERMITIAN
TOEPLITZ MATRICES
MATH SCAND 9 122 128 1961
BY BARTER G DDC NR,
SCHMIDT P CONTRACT NR, AF AFOSR-61-6
ANDERSON F S(PI) PROJ/TASK NR, 9752-37522

AFOSR 233
IST SUPERIORE DI SANITA ROME ITALY
SPINAL MECHANISMS INVOLVED IN THE CONVULSANT ACTION OF
4-Y DIPHENYL-1-9- DIAZADAMANTANE-6-OL PART I FINAL REPORT
DEC 1960
BY LONGO V G DDC NR, 251239
CONTRACT NR, AF 61(052)-188
PROJ/TASK NR, 9777-37700

AFOSR 234
IST SUPERIORE DI SANITA ROME ITALY
EFFECT OF RHYTHMICITY ON THE REPETITIVE DISCHARGE OF
SPINAL CORD INTERNEURONS PART II OF FINAL REPORT
DEC 1960
BY LONGO V G DDC NR, 251239
CONTRACT NR, AF 61(052)-188
PROJ/TASK NR, 9777-37700

AFOSR 235
IST NAZIONALE DI OTTICA ITALY
BASIC RESEARCH IN THE FIELD OF VISION ANNUAL SUMMARY
REPORT NUMBER 1 OCT 1960
BY TORALDO DI FRANCIA G DDC NR, 251238
CONTRACT NR, AF 61(052)-80
PROJ/TASK NR, 9777-37701

AFOSR 236
INST MAREY FRANCE
MISE EN EVIDENCE DES VOIES CORTICO-MESENCEPHALIQUES
SOUS L EFFET DE STIMULATIONS SENSORIELLES CHEZ LE CHAT
PHYSIOL BRUXELLES 57 60 1960
BY BUSER P DDC NR,
BORENSTEIN P CONTRACT NR, AF 61(052)-103
ALBE-FESSARD D(PI) PROJ/TASK NR, 9777-37700

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INST MAREY FRANCE
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DU CORTEX MEZ LE CHAT ANESTHESIE AU CHLORALOSE
COMPTES REDDUS 154 550 1960
BY BOUSER P DDC NR,
BUSER P CONTRACT NR, AF 61(052)-103
ALBE-FESSARD D(PI) PROJ/TASK NR, 9777-37700

AFOSR 238
KAROLINSKA INST STOCKHOLM SWEDEN
ON THE CORRELATION OF THE ION EXCHANGE COLUMN WITH
MOLECULAR STRUCTURE OF BOHF FINAL REPORT 1960
BY FROSTROM A DDC NR, 251266
CONTRACT NR, AF 61(052)-19
PROJ/TASK NR, 9777-37702

AFOSR 239
WASHINGTON UNIV OF SEATTLE
INFRARED SPECTRUM OF CF3 SF 5
J CHEM PHY 35 1049-1050 SEP 1961
BY EGGERS JR D F DDC NR,
WRIGHT N F CONTRACT NR, AF 18(600)-1922
ROBINSON D W PROJ/TASK NR, 9760-37600
CROSS P C

AFOSR 240
POLYTECHNIC INST OF BROOKLYN N Y
PHOTOCHEMICAL STUDIES IN FLASH PHOTOLYSIS
II PHOTOLYSIS OF ACETONE WITH FILTERED LIGHT
J CHEM PHYS 34 1013-1017 MAR 1961
BY SLAGG N DDC NR,
MARCUS R A CONTRACT NR, AF 49(638)-772
PROJ/TASK NR, 9760-37600

AFOSR 241
ARMOUR RSCH FOUND CHICAGO ILL
THE NATURE OF THE PRIMARY PROCESSES IN ELECTRON AND GAMMA
IRRADIATED SYSTEMS FEB 1961
BY FENG P Y DDC NR, 251618
CONTRACT NR, AF 18(603)-121
PROJ/TASK NR, 9767-37620

AFOSR 242
CALIFORNIA UNIV OF BERKELEY
THE INFRARED SPECTRUM OF SOLID CARBON MONOXIDE FEB 1961
BY BIRG G F DDC NR, 254104
PIMENTEL C CONTRACT NR, AF 49(638)-1
PROJ/TASK NR, 9763-37610

AFOSR 243
NEW MEXICO UNIV OF ALBUQUERQUE
EXTENSIVE AIR SHOWERS OF THE COSMIC RADIATION
FINAL REPORT JAN 1961
BY GREEN J.R. DDC NR. 251274
CONTRACT NR. AF 49<638>-34
PROJ/TASK NR. 9778-01003

AFOSR 244
CALIFORNIA UNIV OF BERKELEY
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DECAY OF HYPERON RESONANT STATES
BY GATTO R. DDC NR. 256674
STAPP H.P. CONTRACT NR. AF 49<638>-327
KARPLUS R. <P.I.> PROJ/TASK NR. 9750-37500

AFOSR 245
CALIFORNIA UNIV OF BERKELEY
THE GREENS FUNCTION METHOD AND
SUPERCONDUCTIVITY OF SYSTEMS OF FERMIONS
BY SAWICKI J. DDC NR. 255778
KARPLUS R. <P.I.> CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR 246
STANFORD UNIV CALIF
IRREVERSIBLE PROCESSES IN CONSERVATIVE
DYNAMICAL SYSTEMS JAN 1961
BY STURROCK P.A. DDC NR. 254552
CONTRACT NR. AF 49<638>-342
PROJ/TASK NR. 9774-37663

AFOSR 247
ROCHESTER UNIV OF N Y
COLLISIONAL TRANSFER OF ELECTRONIC ENERGY BETWEEN CERTAIN
POLYATOMIC MOLECULES
INTERNATIONAL CONGRESS OF PURE AND APPLIED CHEMISTRY
IN MONTREAL AUG 61
BY WEIR D S DDC NR.
ISHIKAWA H CONTRACT NR. AF 49<638>-679
MICHAEL J S PROJ/TASK NR. 9760-37600
NAYES, JR. W H

AFOSR 249
PITTSBURGH UNIV OF PA
THE OXIDATION OF EPOXIDES BY DEIMETHYL SULFOXIDE
A SIMPLE SYNTHESIS OF L HYDROXY KATONES
J ORG CHEM 26 1681 MAY 1961
BY COHEN T DDC NR.
CONTRACT NR. AF 49<638>-788
PROJ/TASK NR. 9760-37600

AFOSR 250
OXFORD UNIV OF ENGLAND
ISOCITRATESE AS AN ENZYMIC INDICATOR OF METABOLIC PATHWAYS
NATURE 188 488-489 NOV 1960
BY KORNBERG H L DDC NR.
KREBS H A <P.I.> CONTRACT NR. AF 61<052>-180
PROJ/TASK NR. 9777-37704

AFOSR 252
OXFORD UNIV OF ENGLAND
THE DISTRIBUTION OF 5-HYDROXYTRYPTAMINE AND
ADENOSINETRIPHOSPHATE IN CYTOPLASMIC PARTICLES OF THE
DOTS SMALL INTESTINE
BRIT J PHARMACOL 15 520-524 1960
BY PRUSOFF W H DDC NR. 253884
BLASCHKO H <P.I.> CONTRACT NR. AF 61<052>-235
PROJ/TASK NR. 9777-37700

AFOSR 253
OXFORD UNIV OF ENGLAND
A COMPARATIVE STUDY OF HYDROXYINDOLE OXIDASES
BRIT J PHARMACOL 15 625-633 1960
BY ASCHKO H DDC NR. 253839
[illegible]INE W G CONTRACT NR. AF 61<052>-235
PROJ/TASK NR. 9777-37700

AFOSR 254
STANFORD RSCH INST MENLO PARK CALIF
A DISCUSSION OF THE 130 KILOBAR DYNAMIC TRANSITION IN IRON
INST FOR THE STUDY OF METALS U. CHI 4TH AR40 ONR ON
HIGH PRESSURE RSCH NONR 2121<03> P.62-68
BY JAMIESON J C DDC NR.
DUVALL G E <P.I.> CONTRACT NR. AF 49<638>-625
PROJ/TASK NR. 9760-37601

AFOSR 255
UNIV OF MARYLAND COLLEGE PARK
A FUNCTIONAL EQUATION RELATED TO THE BOLTZMANN EQUZTIONS AND
TO THE EQUATIONS OF GAS DYNAMICS 1961
CONF ON PARTIAL DIFFERENTIAL EQUATIONS AND CONTINUUM MECH.
PUBL#5, PP. 289-317
BY BURGERS J. M. DDC NR.
CONTRACT NR. AF 49<638>-401
PROJ/TASK NR. 9781-37713

AFOSR 256
NORTH CAROLINA UNIV OF CHAPEL HILL
THE DESIGN OF A FUNGUS-EATER JAN 1961
BY TODA M DDC NR. 250706
JONES L V <P.I.> CONTRACT NR. AF 49<638>-729
SHUFORD E H PROJ/TASK NR. 9778-37708

AFOSR 257
ST JOHNS UNIV JAMAICA NY
BORN CROSS SECTIONS FOR INELASTIC SCATTERING OF
ELECTRONS BY HYDROGEN ATOMS. I. 3S,3P,3D STATES JUL1960
PHYS REV 119 149-153 JUL1960
BY MCCOYD G.C. DDC NR. 250911
MILFORD S.N. CONTRACT NR. AF 49<638>-582
WAHL J.J. PROJ/TASK NR. 9768-37650

AFOSR 258
ST JOHNS UNIV JAMAICA NY
BORN CROSS SECTIONS FOR INELASTIC SCATTERING OF ELECTRONS
BY HYDROGEN ATOMS. II. 4S,4P,4D,4F STATES JULY 1960
PHYS REV 119 153-155 JUL1960
BY FISHER L. DDC NR. 250912
MILFORD S.N. CONTRACT NR. AF 49<638>-582
POMILLA F.R. PROJ/TASK NR. 9768-37650

AFOSR 259
ST JOHNS UNIV JAMAICA NY
BORN CROSS SECTIONS FOR INELASTIC SCATTERING OF ELECTRONS
BY HYDROGEN ATOMS. III.5S,5P,5D,5F,5G STATES DEC1960
PHYS REV 120 1715-1717 DEC1960
BY MILFORD S.N. DDC NR. 250913
[illegible]RISSEY J. CONTRACT NR. AF 49<638>-582
SCANLON J.M. PROJ/TASK NR. 9768-37650

AFOSR 260
PUDRUE UNIV LAFAYETTE IND
INFRA-RED SPECTRUM OF PRASEODYMIUM NITRITE
NATURE 188 484-485 NOV 1966
BY VRATNY F DDC NR.
TSAI M CONTRACT NR. AF 18<603>-45
GUGLIOTTA F PROJ/TASK NR. 9760-37601
CLIFFORD A F <P.I.>

AFOSR 261
PURDUE UNIV LAFAYETTE IND
THE USE OF FLUOROCARBON OILS AND LUBRICANTS WITH
NITROGEN DIOXIDE
J CHEM EDUC 37 624 DEC 1960
BY VRATNY F DDC NR.
HONIG J M CONTRACT NR. AF 18<603>-45
CLIFFORD A F <P.I.> PROJ/TASK NR. 9760-37601

AFOSR 262
ARIZONA UNIV OF TUCSON
EFFECT OF HYDROSTATIC PRESSURE UP TO 8000 ATM ON THE
SELF-DIFFUSION RATE IN SILVER SINGLE CRYSTALS
INST FOR THE STUDY OF METALS U. CHI. 4TH AR TO ONR ON
HIGH PRESSURE RSCH NONR 2121<03> P.111-114
BY TOMIZUKA C T DDC NR.
CONTRACT NR. AF 49<638>-790
PROJ/TASK NR. 9760-37601

AFOSR 263
CORNELL UNIV ITHACA, NY
SHOCK PROFILES IN HYPERSONIC FLOW OF A RELAXING GAS ABOUT A
WEDGE FEB 1961
BY DRESSLER F. R. DDC NR.
SEARS, W. R. <P.I.> CONTRACT NR. AF 49<638>-544
PROJ/TASK NR. 9781-37712

AFOSR 264
STANFORD UNIV CALIF
STANFORD MICROWAVE SPECTROHELIOGRAMS FOR 1960 MAY JAN1961
BY SWARUP G. DDC NR. 252914
BRACEWELL R N<PI> CONTRACT NR. AF 18<608>-53
PROJ/TASK NR. 9768-37650

AFOSR 265
STANFORD UNIV CALIF
STUDIES OF SOLAR MICROWAVE EMISSION USING A
HIGHLY DIRECTIONAL ANTENNA FEB1961
BY SWARUP G. DDC NR. 252915
BRACEWELL R N<PI> CONTRACT NR. AF 18<603>-53
PROJ/TASK NR. 9768-37650

AFOSR 266
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
INORGANIC SULFUR REAGENTS. I. THE THIONYL HALIDES
BY BUESS C M DDC NR.
KHARASCH N CONTRACT NR. AF 49<638>-718
LANGFORD R B PROJ/TASK NR. 9762-37620

AFOSR 267
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
SULFENIC ACIDS AND THEIR DERIVATIVES. XLI SULFENYL
NITRATES AND SULFINYL RADICALS
BY TOPPING R M DDC NR.
KHARASCH N CONTRACT NR. AF 49<638>-718
PROJ/TASK NR. 9762-37620

AFOSR 269
UNIV COLLEGE CORK IRELAND
ON THE ARGUMENT OF THE DERIVATIVE OF A
UNIVALENT FUNCTION 15 MAR 1961
BY DONOHOE P.J. DDC NR. 264867
KENNEDY P.B. CONTRACT NR. AF 61<052>-263
PROJ/TASK NR. 9769-37658

AFOSR 270
CALIFORNIA UNIV OF BERKELEY
STABILITY OF NONLINEAR SAMPLED-DATA CONTROL SYSTEMS DEC1960
BY KODAMA S. DDC NR. 254693
JURY E I<PI> CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR 271
NORTHWESTERN UNIV EVANSTON ILL
GRAIN BOUNDARY COHESION AND SOLUTE-DISLOCATION
INTERACTIONS DURING STRAIN AGING. FINAL REPORT 1961
BY BRITTAIN J O DDC NR. 251907
CONTRACT NR. AF 18<600>-1598
PROJ/TASK NR. 9761-37611

AFOSR 272
OKLAHOMA STATE UNIV STILLWATER
LUMINESCENCE IN SEMICONDUCTING DIAMON
BY KRUMME J B DDC NR. 252995
LEIVA W J <P.I.> CONTRACT NR. AF 18<603>-40
PROJ/TASK NR. 9763-37631

AFOSR 274
CALIFORNIA UNIV OF BERKELEY
HIGH-TEMPERATURE HEAT CONTENTS OF SOME BINARY IRON ALLOYS
MAR 1961
BY KENDALL W B DDC NR. 255444
HULTGREN R CONTRACT NR. AF 49<638>-83
PROJ/TASK NR. 9760-37601

AFOSR 275
MARYLAND UNIV OF COLLEGE PARK
ON KORN-S INEQUALITY
ARCH RAT MECH AND ANAL 8 89-98 1961
BY PAYNE L E DDC NR. 252340
WEINBERGER H F CONTRACT NR. AF 49<638>-228
WEINSTEIN A<P.I.> PROJ/TASK NR. 9783-37727

AFOSR 276
NEW YORK UNIV N.Y.
ASYMPTOTIC ESTIMATES FOR THE STURM-LIOUVILLE
SPECTRUM FEB1961
COMMUNICATIONS ON PURE & APPLIED MATH.
V. 14, 749-764. NOV 61
BY HOCHSTADT H. DDC NR. 257782
[illegible] (P.I.) CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37656

AFOSR 277
ILLINOIS UNIV OF URBANA
A MICROWAVE TECHNIQUE FOR THE STUDY OF DEVIATIONS FROM OHM
LAW IN HIGH RESISTIVITY SEMICONDUCTORS
BY ROSE K DDC NR. 277121
BARDEEN J(P.I.) CONTRACT NR. AF 49(638)-417
PROJ/TASK NR. 9763-37631

AFOSR 280
COLUMBIA UNIV NY
HYPERFINE STRUCTURE OF THE (5P)5(6S) 3P2
STATE OF 54XE129 AND 54XE131
PHYS REV 123 198-204 JUL1961
BY FAUST W.L. DDC NR.
MCDERMOTT M.N. CONTRACT NR. AF 49(638)-557
KUSCH P(PI) PROJ/TASK NR. 9767-

AFOSR 281
SYRACUSE UNIV NY
BOUNDS FOR THE NUMBER OF DEFICIENT VALUES OF
CERTAIN CLASSES OF MEROMORPHIC FUNCTIONS JAN1961
PROC LONDON MATH SOC 3D SER 12 315-344 APR1962
BY EDREI A. DDC NR. 255969
FUCHS W.H.J. CONTRACT NR. AF 49(638)-571
PROJ/TASK NR. 9783-37727

AFOSR 282
NORTHWESTERN UNIV EVANSTON, ILL
THE EFFECT OF STRESS ON GRAIN BOUNDARY SLIDING IN CREEP
FEB 1961
BY ADSIT N R DDC NR. 252068
BRITTAIN J O CONTRACT NR. AF 49(638)-780
PROJ/TASK NR. 9761-37601

AFOSR 283
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
INTERACTION BETWEEN A RADIO WAVE AND A PLASMA IN THE
PRESENCE OF A UNIFORM MAGNETIC FIELD JAN 1961SUP JUL1961
BY KOGA T. DDC NR. 253452
CHUAN R L(PI) CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 284
MINNEAPOLIS-HONEYWELL REGULATOR COMPANY HOPKINS MINN
THE OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTAL
TELLURIUM AUG 1960
BY NUSSBAUM A DDC NR. 253396
CONTRACT NR. AF 49(638)-908
PROJ/TASK NR. 9760-37601

AFOSR 285
CALIFORNIA INST OF TECHNOLOGY PASADENA
CONSIDERATION OF SOME ELECTRONIC COMPONENTS IN
SHOCK TUBE INSTRUMENTATION FEB1961
BY JACOBS T.A. DDC NR. 253461
PENNER S S(PI) CONTRACT NR. AF 49(638)-984
PROJ/TASK NR. 9751-37511

AFOSR 286
CALIFORNIA INST OF TECHNOLOGY PASADENA
SPECTROSCOPIC METHODS OF TEMPERATURE MEASUREMENTS MAR1961
BY PENNER S.S. DDC NR. 253371
CONTRACT NR. AF 49(638)-984
PROJ/TASK NR. 9751-37511

AFOSR 287
BRAIN RSCH INST WALDAN-BERNE SWITZERLAND
FINAL REPORT ON COMPARATIVE NEUROANATOMICAL STUDY DEC 1960
BY GRUNTHAL F DDC NR. 253765
CONTRACT NR. AF 61(052)-3C
PROJ/TASK NR. 9777-37700

AFOSR 288
KAROLINSKA INST STOCKHOLM SWEDEN
EFFECT OF RESERPINE AND OTHER DURGS ON THE RELEASE OF
NORADRENALINE FROM ISOLATED TRANSMITTER GRANULES
ACTA PHYSIOL SCAND 50 SUPPL 175 45-47 1960
BY VON EULER U S DDC NR. 251204
LISHAJKO F CONTRACT NR. AF 61(052)-309
PROJ/TASK NR. 9777-37701

AFOSR 289
KAROLINSKA INST STOCKHOLM SWEDEN
STORAGE AND RELEASE OF CATECHOLAMINES, AND THE OCCURRENCE
A SPECIFIC SUBMICROSCOPIC GRANULATION IN HEARTS OF
CYCLOSTOMES
NATURE 188 324-325 OCT 1960
BY OSTLUND, E DDC NR. 251205
BLOOM G CONTRACT NR. AF 61(052)-309
ADAMS-RAY J PROJ/TASK NR. 9777-37701
RITZEN M
SIEGMAN M
NORDENSTAM H
LISHAJKO F
VON EULER U S(P.I.)

AFOSR 290
OSLO UNIV OF NORWAY
CRYSTAL STRUCTURE OF THE ADDITION COMPOUND FORMED BY 4-
PICOLINE AND IODINE DEC 1960
BY HASSEL O DDC NR. 254978
RMMING CHR CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 291
CAMBRIDGE LANGUAGE RSCH UNIT, KINGS COLLEGE, ENGLAND
OCT 1960 SELF-ORGANIZATION AND THE NOTION OF LEVEL, A
SUMMARY OF THREE DISCUSSIONS
BY BASTIN E. W. (P.I.) DDC NR. 254297
CONTRACT NR. AF 61(052)-331
PROJ/TASK NR. 9769-37659

AFOSR 292
MICHIGAN UNIV OF ANN ARBOR
NILPOTENT LIE ALGEBRAS MAR1961
BY CHAO CHONG YUM DDC NR. 254969
WILDER R L(PI) CONTRACT NR. AF 49(638)-104
PROJ/TASK NR. 9783-37727

AFOSR 293
TEXAS TECH COLLEGE LUBBOCK
THE THERMAL DEAQUATION OF SOME AQUOPENTAMMINECOBALT (III)
COMPLEXES
J PHYS CHEM 65 1516-1519 SEP 1961
BY WENDLANDT W W DDC NR. 252982
BEAR J L CONTRACT NR. AF 49(638)-787
PROJ/TASK NR. 9760-37600

AFOSR 295
BUREAU OF SOCIAL SCIENCES RSCH INC WASH DC
A SELECTED BIBLIOGRAPHY ON CAPTIVITY BEHAVIOR FEB 1961
BY BIDERMAN A D DDC NR. 253964
HELLER B CONTRACT NR. AF 49(638)-727
EPSTEIN P PROJ/TASK NR. 9779-37734

AFOSR 296
LIEGE UNIV BELGIUM
SYMPTOTIC BEHAVIOR OF THE SPECTRAL MATRIX
OF THE OPERATOR OF ELASTICITY JAN 1961
BY BUREAU F.J. DDC NR. 258240
PELLICCIARO E.J. CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-37658

AFOSR 299
WASHINGTON STATE UNIV PULLMAN
STUDIES OF SHORT TERM RETENTION II. RECALL AS A FUNCTION OF
ITEM FREQUENCY DEC 1960
BY LLOYD K E DDC NR. 254811
JOHNSTON W A CONTRACT NR. AF 49(638)-805
PROJ/TASK NR. 9778-37706

AFOSR 300
AVCO EVERETT RSCH LAB EVERETT MASS
A MAGNETIC ANNULAR ARC MAR1961
BY POWERS W.E. DDC NR. 275739
PATRICK R.M. CONTRACT NR. AF 49(638)-659
JONES H S(PI) PROJ/TASK NR. 9752-37521
KANTROWITZ A R

AFOSR 302
UNIV DE ZARAGOZA, SPAIN
ACTION PRINCIPLE FOR CLASSICAL MECHANICS 1961
BY GARRIDO L.M. DDC NR. 253350
CONTRACT NR. AF 61(052)-438
PROJ/TASK NR. 9751-37511

AFOSR 303
JAN 1960. MAGNETO-FLUID DYNAMICS, PROC OF A SYMPOSIUM
SPONSORED BY THE INTERNATIONAL UNION OF THEORETICAL AND
APPLIED MECHANICS IN COOPERATION WITH THE NATIONAL ACAD SCI,
NRC, WILLIAMSBURGH, VA. RES MOD PHYS V.32 OCT 1960
BY FRENKIEL F. N. DDC NR.
SEARS W. R. CONTRACT NR.
PROJ/TASK NR.

AFOSR 304
WASHINGTON UNIV ST LOUIS MO
SPIN AND CHARGE EXCHANGE IN ANIONS OF BIPHENYLYL ETHER
J CHEM PHYS 34 1840 MAY 1961
BY EARGLE D.H. JR DDC NR.
WEISSMAN S.I. PROJ/TASK NR. AF 49(638)-464
NORBERG R(PI) PROJ/TASK NR. 9751-37511

AFOSR 306
MARYLAND UNIV OF COLLEGE PARK
RADIO EMISSION BY PLASMA OSCILLATIONS IN
NONUNIFORM PLASMAS FEB61
PHYS FLUIDS 4 703-710 JUN1961
BY TIDMAN D.A. DDC NR. 251573
WEISS G.H. CONTRACT NR. AF 18(600)-1315
MONTROLL E W(PI) PROJ/TASK NR. 9751-37511

AFOSR 307
SPIKED BLUNT BODIES IN SUPERSONIC FLOW JUN 1961
BY ALBUM, H. H. DDC NR. 257055
CONTRACT NR.
PROJ/TASK NR. 9781-37712

AFOSR 308
ILLINOIS INST OF TECHNOLOGY CHICAGO
DIRECT STUDY OF IMPERFECTIONS IN NEARLY PERFECT CRYSTALS
DIRECT OBSERVATION OF IMPERFECTIONS IN CRYSTALS ED J B
WERNICK PROC CONF ST LOUIS MO MAR 1961 INTERSCIENCE PP 415-
429
BY BRAGG R H DDC NR. 254141
AZAROFF L V CONTRACT NR. AF 49(638)-425
PROJ/TASK NR. 9763-37631

AFOSR 310
CHICAGO UNIV OF ILL
ELECTRONS IN THE PRIMARY COSMIC RADIATION
PHYS REV LTRS 6 193-196 FEB1961
BY MEYER P. DDC NR. 254691
VOGT R. CONTRACT NR. AF 18(600)-666
SIMPSON J.A. (P.I.) PROJ/TASK NR. 9774-37665

AFOSR 311
PURDUE UNIV LAFAYETTE, IND.
ELECTRO-PRODUCTION OF PI-MESONS
NUOVO CIM SER X 17 775-785 SEP 1960
BY BLANKENBECLER, R. / GARTENHAUS, S. / HUFF, R. / NAMBU, Y. / KING R W<PI>
DDC NR. 259888
CONTRACT NR. AF 49<638>-767
PROJ/TASK NR. 9750-37500

AFOSR 315
WASHINGTON UNIV ST LOUIS, MO
PERTURBATION METHOD FOR LOW STATES OF A MANY PARTICLE BOSON SYSTEM <MISPRINTED AFOSRTN-60-1433>
AN PHYS 15 266-295 AUG 1961
BY JACKSON H W / FEENBERG E / CONDON E U<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-834
PROJ/TASK NR. 9751-37512

AFOSR 316
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
IMPULSIVE LOADING OF RIGID-PLASTIC CURVED BEAMS WITH AXIAL CONSTRAINTS DEC 1960
BY CHEN M. M. / HSU P. T. / PIAN T. H. H.
DDC NR. 253292
CONTRACT NR. AF 49<638>-160
PROJ/TASK NR. 9782-37718

AFOSR 319
REPUBLIC AVIATION CORP, FARMINGDALE, NY
A DC GLOW MODEL OF THE FORMATION OF THE MAGNETIC PISTON DEC 1960
BY ARONOWITZ, L. / MOSTOV P / KUNEN A E<PI>
DDC NR. 252393
CONTRACT NR. AF 49<638>-552
PROJ/TASK NR. 9752-37521

AFOSR 320
REPUBLIC AVIATION CORP, FARMINGDALE, NY
ELECTROMAGNETIC DIFFUSION INTO A CYLINDRICAL PLASMA COLUMN DURING THE EARLY STAGES OF PINCH FORMATION
PHYS FLUIDS 4 1015-1025 AUG 1961 3388 P415-441 SYMPON ELECTROMAGNETICS AND FLUID DYNAMICS OF GASEOUS PLASMA NY 4-6 APR 1961
BY NEURINGER, J. L. / KRAUS, L. / MALAMUD, H. / KUNEN, A. E.<P.I.>
DDC NR. 252394
CONTRACT NR. AF 49<638>-552
PROJ/TASK NR. 9752-37521

AFOSR 321
REPUBLIC AVIATION CORP, FARMINGDALE, NY
SYNTHESIS OF CURRENT WAVEFORMS BY TYPE C NETWORK JAN 1961
BY RIGNEY, D. / KRAUS, L. / MALAMUD, H. / KUNEN, A. E.<P.I.>
DDC NR. 252395
CONTRACT NR. AF 49<638>-552
PROJ/TASK NR. 9752-37521

AFOSR 322
WEIZMANN INST OF SCI REHOVOTH ISRAEL
NUMERICAL INTEGRATION OF THE NAVIER-STOKES EQUATIONS JAN 61
BY GILLIS J
DDC NR. 252942
CONTRACT NR. AF 61<052>-352
PROJ/TASK NR. 9783-37725

AFOSR 323
OXFORD UNIV OF ENGLAND
PURIFICATION AND PROPERTIES OF MALATE SYSNTETASE
BIOCHEM BIOPHYS ACTA 41 217-233 1960
BY DIXON G H / KORNBERG H L / LUND P / KREBS H A<P.I.>
DDC NR.
CONTRACT NR. AF 61<052>-180
PROJ/TASK NR. 9777-37704

AFOSR 324
OXFORD UNIV OF ENGLAND
FORMATION OF ISOCITRATASE BY THE ATHIORHODACEAE
J GEN MICROBIOL 23 511-517 1960
BY KORNBERG H L / LASCELLES J / KREBS H A<PI>
DDC NR. 258873
CONTRACT NR. AF 61<052>-180
PROJ/TASK NR. 9777-37704

AFOSR 325
OXFORD UNIV OF ENGLAND
THE METABOLISM OF C2 COMPOUNDS IN MICRO-ORGANISMS. 6. SYNTHESIS OF CELL CONSTITUENTS FROM GLYCOLLATE BY PSEUDOMONAS SP
BIOCHEM J 78 69-82 1961
BY KORNBERG H L / GOTTO A M / KREBS H A<P.I.>
DDC NR. 258874
CONTRACT NR. AF 61<052>-180
PROJ/TASK NR. 9777-37704

AFOSR 326
OXFORD UNIV OF ENGLAND
THE METABOLISM OF C2 COMPOUNDS IN MICRO-ORGANISMS. 5. BIOSYNTHESIS OF CELL MATERIALS FROM ACETATE IN ESCHERICHIA COLI
BIOCHEM J 77 438-445 1960
BY KORNBERG H L / PHIZACKERLEY P J R / SADLER J R / KREBS H A<P.I.>
DDC NR. 258875
CONTRACT NR. AF 61<052>-180
PROJ/TASK NR. 9777-37704

AFOSR 327
OXFORD UNIV OF ENGLAND
ON THE MECHANISM OF OXOGLUTARATE OXIDATION IN ESCHERICHIA COLI
BIOCHEM J 78 194-198 1961
BY HAGER L P / KORNBERG H L / KREBS H A <P.I.>
DDC NR. 258876
CONTRACT NR. AF 61<052>-180
PROJ/TASK NR. 9777-37704

AFOSR 328
NORTH STAFFORDSHIRE UNIV COLLEGE OF KEELE ENGLAND
DEC 1960 HEATS OF FORMATION OF ORGANO-METALLIC COMPOUNDS AND 1ST ANNULA SUMM LITHIUM N-BUTYL
BY MORTIMER, C. T.
DDC NR. 271784
CONTRACT NR. AF 61<052>-307
PROJ/TASK NR. 9750-37501

AFOSR 329
MAREY INST FRANCE
DISTRIBUTION OF RESPONSES TO SOMATIC AFFERENT STIMULI IN THE DIENCEPHALON OF THE CAT UNDER CHLORALOSE ANESTHESIA EXPER NEUROLOGY 2 442-467 OCT 1960
BY KRUGER L / ALBE-FESSARD D
DDC NR. 253775
CONTRACT NR. AF 61<052>-103
PROJ/TASK NR. 9777-37700

AFOSR 330
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
1960 LIQUID FLOW IN TUBES, IV. THE TRANSITION PROCESSES AND TURBULENT FLOW RELATED TO TUBE DIAMETER AND MICROSCOPIC SURFACE PROPERTIES
ARKIV FOR FYSIK 18 449-464 1960
BY LINDGREN, E. R.
DDC NR.
CONTRACT NR. AF 61<052>-375
PROJ/TASK NR. 9781-37712

AFOSR 331
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
1960 LIQUID FLOW IN TUBES V. EFFECTS OF LATERAL TUBE DEFLECTIONS ON SOME TURBULENT TRANSITION QUANTITIES
ARKIV FOR FYSIK 18 533-541 1960
BY LINDGREN, E. R.
DDC NR.
CONTRACT NR. AF 61<052>-375
PROJ/TASK NR. 9781-37712

AFOSR 333
PRINCETON UNIV, NEW JERSEY
INTERFACIAL RESISTANCE TO EVAPORATION DEC 1960 OTS 100
BY HEIDEGER, W. J. / BOUDART, M.
DDC NR. 255158
CONTRACT NR. AF 49<638>-32
PROJ/TASK NR. 9751-37510

AFOSR 334
TEXAS TECH COLLEGE LUBBOCK
A CONTROLLED ATMOSPHERE THERMOBALANCE
J CHEM EDUC 38 566-568 NOV 1961
BY WENDLANDT W W
DDC NR. 253138
CONTRACT NR. AF 49<638>-787
PROJ/TASK NR. 9760-37600

AFOSR 336
CALIFORNIA UNIV OF BERKELEY
A COMPARISON BETWEEN LANGMUIR PROBE AND MICROWAVE ELECTRON DENSITY MEASUREMENTS IN AN ARC HEATED LOW DENSITY SUPERSONIC WIND TUNNEL JAN 1961
BY TALROT L. / KATZ J. E. / BRUNDIN C. L.
DDC NR. 251634
CONTRACT NR. AF 49<638>-502
PROJ/TASK NR. 9781-37712

AFOSR 337
ROCHESTER UNIV OF
THE MECHANISM OF CARDIOVASCULAR ACTION OF NITROGLYCERINE
AMER J MED 29 910-923 DEC 1960
BY HONIG C R / TENNEY S M / GABEL P V
DDC NR. 251466
CONTRACT NR. AF 18<603>-81
PROJ/TASK NR. 9777-37701

AFOSR 338
CORNELL UNIV ITHACA, NY
CONTRIBUTION TO THE THEORY OF INELASTIC MOLECULAR COLLISIONS
BY WIDOM, B. / WEINSTOCK, J.
DDC NR. 282841
CONTRACT NR. AF 18<603>-111
PROJ/TASK NR. 9751-37511

AFOSR 339
NEW YORK UNIV, NY
ROTATION AND STRAIN
COMM PURE & APPL MATH 14 391-413 AUG 1961
BY JOHN, F. / STOKER J J<PI>
DDC NR.
CONTRACT NR. AF 49<638>-161
PROJ/TASK NR.

AFOSR 340
INDIANA UNIV BLOOMINGTON
CORRELATION ENERGY IN THE HYDROGEN MOLECULE
ANN ACAD REG SCI UPSALIENSIS 3 65-74 1959
BY SHULL H
DDC NR.
CONTRACT NR. AF 49<638>-318
PROJ/TASK NR. 9760-37600

AFOSR 341
INDIANA UNIV BLOOMINGTON
NATURAL SPIN ORBITAL ANALYSIS OF HYDROGEN MOLECULE WAVE FUNCTIONS
J CHEM PHYS 30 1405-1413 JUN 1959
BY SHULL H
DDC NR.
CONTRACT NR. AF 49<638>-318
PROJ/TASK NR. 9760-37600

AFOSR 342
INDIANA UNIV BLOOMINGTON
SINGLE-CENT WAVE FUNCTION FOR THE HYDROGEN MOLECULE
ARTICLE W/SAME TI J CHEM PHYS 30 1314-1322 MAY 1959
BY SHULL H
DDC NR.
CONTRACT NR. AF 49<638>-318
PROJ/TASK NR. 9760-37600

AFOSR 343
NORTHWESTERN UNIV CHICAGO ILL
THE INTERACTION OF A NONIONIC DETERGENT WITH PROTEIN. II. EFFECTS ON A BOVINE PLASMA ALBUMIN-AZOMERCURIAL COMPLEX
ARCH BIOCHEM & BIOPHYS 93 501-507 JUN 1961
BY KOEHLER W R / DOWBEN R M
DDC NR.
CONTRACT NR. AF 49<638>-321
PROJ/TASK NR. 9777-37702

AFOSR 344
TORONTO UNIV OF CAN
SYSTEMATIC AXIAL LOAD FATIGUE TESTS USING UNNOTCHED ALUMINU ALLOY 2024-T-4 EXTRUDED BAR SPECIMENS MAY 1960
BY SWANSON S R / POPPLETON E D<P.I.>
DDC NR. 258552
CONTRACT NR. AF 49<638>-548
PROJ/TASK NR. 9782-37718

AFOSR 350
GENOA UNIV OF ITALY
SPONTANEOUS AND INDUCED ELECTROENCEPHALOGRAPHIC ACTIVITY DURING PHYSIOLOGICAL SLEEP OF THE CAT OCT 1960
BY ROSSI G F
HARA T
FAVALE E
SACCO G
DDC NR. 257533
CONTRACT NR. AF 61(052)-461
PROJ/TASK NR. 9777-37700

AFOSR 351
PISA UNIV OF ITALY
LOCALIZZAZIONE E MECCANISMO DELL-EFFETTO CHANG
LOCALIZATION AND MECHANISM OF THE ,,CHANG,, EFFECT
BOLL SOC IT BIOL SPES 36 1530-1532 1960
BY ARDUINI A
GOLDSTEIN M H
MORUZZI G(P.I.)
DDC NR.
CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-37700

AFOSR 353
PISA UNIV OF ITALY
SYNCHRONIZATION OF THE EEG PRODUCED BY LOW-FREQUENCY ELECTRICAL STIMULATION OF THE REGION OF THE SOLITARY TRACT
BY MAGNES J
MORUZZI G
POMPEIANO O
DDC NR. 258877
CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-37700

AFOSR 355
INDIANA UNIV BLOOMINGTON
NOTES ON THE RATE OF GAS PHASE REACTIONS OF NH2 FREE RADICA
FEB 1961
BY HANES M H
BAIR E J
DDC NR. 253825
CONTRACT NR. AF 18(603)-93
PROJ/TASK NR. 9760-37600

AFOSR 356
INDIANA UNIV BLOOMINGTON
SPECTROMETRIC STUDIES OF FAST REACTIONS A DESCRIPTIVE SUMMAR FINAL REPORT FEB 1961
BY BAIR E J
DDC NR. 253826
CONTRACT NR. AF 18(603)-93
PROJ/TASK NR. 9760-37600

AFOSR 358
PLASMADYNE CORP SANTA ANA, CALIF
STUDY OF HEATING AND ACCELERATION OF PLASMA BY MAGNETIC FIELDS FINAL REPORT FEB 1958-FEB 1961 MAR 1961
BY GOURDINE, M. C.
WANIEK R W(PI)
DDC NR. 255738
CONTRACT NR. AF 49(638)-335
PROJ/TASK NR. 9868-37650

AFOSR 359
INST MAREY FRANCE
NEUROPHYSIOLOGIE.-- EXISTENCE D-UN FOYER DE PROJECTION SENSORIELLE ACOUSTIQUE AU NIVEAU DU LOBE ANSIFORME DU CERVELET CHEZ LE CHAT
COMPTES RENDUS 251 791-793 AUG 1960
BY BUSER P
FRANCHEL H
FESSARA D(P.I.)
DDC NR.
CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-37700

AFOSR 360
AVCO EVERETT RSCH LABORATORY EVERETT, MASS
COLLISION-FREE PLASMAS NOV 1960
BY PETSCHEK, H. E.
PATRICK R M(PI)
DDC NR. 256760
CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9751-37510

AFOSR 362
MARYLAND UNIV OF COLLEGE PARK
A PROBLEM IN EQUIPMENT MAINTENANCE FEB 1961
MAGMT SCI 8 266-277 APR 1962
BY WEISS, G. H.
MONTROLL E W(PI)
DDC NR. 252680
CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9751-37511

AFOSR 363
LONDON UNIV OF ENGLAND
DEC 1960 ON SUBSTITUTION OPERATORS. I. A SUMMATION METHOD. FINAL REPORT
BY TARGONSKI, G. I.
DDC NR. 256366
CONTRACT NR. AF 61(052)-320
PROJ/TASK NR. 9752-37522

AFOSR 364
MARYLAND UNIV OF COLLEGE PARK
INSTRUMENT TO MEASURE DENSITY PROFILES BEHIND SHOCK WAVES FEB 191
BY WITTEMAN W. J.
BURGERS J. M. (P.I.)
DDC NR. 253129
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 365
PLASMADYNE CORP SANTA ANA, CALIF
A TECHNIQUE FOR MAKING LOCAL MEASUREMENTS OF THE CONDUCTIVITY AND VELOCITY OF A PLASMAJET JUN 1960
BY GOURDINE, M. C.
WANIEK R W(PI)
DDC NR. 255735
CONTRACT NR. AF 49(638)-335
PROJ/TASK NR. 9768-37650

AFOSR 367
GENOVA UNIV OF ITALY
INTERPRETAZIONE FISIOPATOLOGICA DEI MECCANISMI DEL SONNO INSORGENTE DURANTE LA GUIDA
PROC CONGRESSO DI MEDICINA DEL TRAFFICO SAN REMO NOV 60 PP 811-814
BY PERRIA L
ROSSI G F
DDC NR.
CONTRACT NR. AF 61(052)-461
PROJ/TASK NR. 9777-37700

AFOSR 373
RENSSELAER POLYTECHNIC INST TROY N Y
ANALYSIS OF DYNAMIC EFFECTS OF ADDED MASS AND INITIAL STRES TO ELASTIC SYSTEMS NOV 1960 FINAL REPORT
BY HANDELMAN G H
BOYCE W E
DDC NR.
CONTRACT NR. AF 18(600)-1586
PROJ/TASK NR. 9782-37717

AFOSR 375
MINNESOTA UNIV OF MINNEAPOLIS
ON THE DEFINITION AND PROPERTIES OF CERTAIN VARIATIONAL INTEGRALS
TRANS AMER MATH SOC 101 139-167 OCT 1961
BY SERRIN J B
DDC NR.
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-37658

AFOSR 377
LONDON UNIV OF ENGLAND
A THEORY OF ECHOLOCATION BY BATS
J OF LARYNGOL OTOL LXXIV OCT 1960
BY PYE J D
ORMEROD F C(P.I.)
DDC NR. 254448
CONTRACT NR. AF 61(052)-271
PROJ/TASK NR. 9777-37700

AFOSR 379
OHIO STATE UNIV COLUMBUS
VALUE ORIENTATIONS AND PREFERENCE FOR A MINIMAX STRATEGY
BY SCODEL A
DDC NR. 255652
CONTRACT NR. AF 49(638)-317
PROJ/TASK NR. 9778-37707

AFOSR 380
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF RU2S1
ACTA CHEM SCAND 15 1571-1574 1961
BY ASELIUS J
ARONSSON B
HAGG G(P.I.)
DDC NR. 258414
CONTRACT NR. AF 61(052)-40
PROJ/TASK NR. 9762-37621

AFOSR 381
CHICAGO UNIV OF ILL
A RELATIONAL THEORY OF THE STRUCTURAL CHANGES INDUCED IN BIOLOGICAL SYSTEMS BY ALTERATIONS IN ENVIRONMENT
BUL OF MATH BIOPHYS 23 165-171 1961
BY ROSEN R
DDC NR. 260094
CONTRACT NR. AF 49(638)-917
PROJ/TASK NR. 9777-37703

AFOSR 382
POLYTECHNIC INST OF BROOKLYN NY
HIGH TEMPERATURE CRYSTAL CHEMISTRY FINAL REPORT 1961
BY BANKS E
POST B
DDC NR. 252224
CONTRACT NR. AF 18(600)-1193
PROJ/TASK NR. 9760-37601

AFOSR 383
CORNELL UNIV ITHACA NY
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF THE ATOMIC PHENOMENA OCCURRING ON AND NEAR THE SURFACES OF SOLIDS. FINAL REPORT MAR 1961
BY SIEGEL B M
BRADLEY R C(PI)
DDC NR. 254688
CONTRACT NR. AF 18(600)-674
PROJ/TASK NR. 9761-37601

AFOSR 384
ILLINOIS UNIV OF URBANA
ENERGY BAND STRUCTURE OF SOLIDS FROM PERTURBATION OF THE EMPTY LATTICE
J PHYS CHEM SOLIDS 20 64-75 1961
BY BASSANI F
CELLI V
DDC NR.
CONTRACT NR. AF 49(638)-819
PROJ/TASK NR. 9760-37601

AFOSR 385
PARIS UNIV OF FRANCE
ON THE EFFECTIVE INTERACTION IN FINITE NUCLEI JULY 1960
BY BREMOND B
LEVY M(P.I.)
DDC NR. 253280
CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9750-37500

AFOSR 386
FEDERATION OF AMER SOC FOR EXPERIMENTAL BIOLOGY BALTIMORE MD
PROCEEDINGS IN THE INTERNATIONAL SYMPOSIUM ON COLD ACCLIMATION, BUENOS AIRES, AUGUST 1959
FEDERATION PROC 19 NR 4 DEC 1960 PART II SUPPL 5
BY LEE M O(PI)
DDC NR.
CONTRACT NR. AF 49(638)-607
PROJ/TASK NR. 9777-37701

AFOSR 387
CALIFORNIA UNIV OF BERKELEY
SPACE-CHARGE INSTABILITIES IN ELECTRON DIODES AND PLASMA CONVERTERS JAN 1961
J APPL PHYS 32 2611-2618 DEC 1961
BY BIRDSALL, C. K.
BRIDGES, W. B.
WHINNERY J R(PI)
DDC NR.
CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9768-37650

AFOSR 388
CALIFORNIA UNIV OF BERKELEY
A GENERAL ANALYSIS OF OPTICAL, INFRARED, AND MICROWAVE MASER OSCILLATOR EMISSION MAR 1961
BY SINGER, J. R.
WANG, S.
WHINNERY J R(PI)
DDC NR. 256632
CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9768-37650

AFOSR 389
RICE INST HOUSTON, TEX
MEROMORPHIC FUNCTIONS WITH SMALL CHARACTERISTIC AND NO ASYMPTOTIC VALUES
MICH DUKE MATH J 8 177-185 1961
BY MACLANE, G. R.
DDC NR. 253921
CONTRACT NR. AF 49(638)-205
PROJ/TASK NR. 9769-37658

AFOSR 390
CONNECTICUT UNIV OF, STORRS
ON TRANSLATION CONTINUITY AND TRIGONOMETRIC POLYNOMIALS MAR 1961
BY GOSSELIN R. P.
DDC NR. 253375
CONTRACT NR. AF 49(638)-608
PROJ/TASK NR. 9783-37727

AFOSR 391
NEW YORK UNIV. N.Y.
THE EXPONENTIAL SOLUTION FOR THE HOMOGENEOUS LINEAR DIFFERENTIAL EQUATION FO THE SECOND ORDER FEB 1961
BY MARIANI, J. — DDC NR. 254788
MAGNUS, W. — CONTRACT NR. AF 49(638)-229
KLINE, M.<P.I.> — PROJ/TASK NR. 9769-37650

AFOSR 392
PRINCETON UNIV NJ
DUALITY IN NOETHERIAN RINGS
BY JANS J P — DDC NR. 261318
CONTRACT NR. AF 49(638)-921
PROJ/TASK NR. 9783-37727

AFOSR 393
CASE INST OF TECHNOLOGY CLEVELAND, O
FOLDED NORMAL II.* COMPARISON OF TWO METHODS OF ESTIMATING PARAMETERS FROM MOMENTS FAB 1961
BY ELANDT R. C. — DDC NR. 253245
LEONE F. C. <P.I.> — CONTRACT NR. AF 49(638)-361
PROJ/TASK NR. 9783-37727

AFOSR 394
US NATIONAL BUREAU OF STANDARDS, WASHINGTON DC
A MISSILE TECHNIQUE FOR THE STUDY OF DETONATION WAVES
J RSCH 66C 51-58 JAN MAR 1962
BY RUEGG, F. W. — DDC NR.
DORSEY, W. W. — CONTRACT NR. ISSA 60-6
PROJ/TASK NR. 9751-37510

AFOSR 395
GENERAL ELECTRIC CO SCHENECTADY NY
THE FERMI SURFACE, PROCEEDINGS OF AN INTERNATIONAL CONFERENCE HELD AT COOPERSTOWN, N Y 22-24 AUG 1960 JOHN WIL & SONS NY 1960
BY HARRISON W A — DDC NR.
WEBB M B — CONTRACT NR. AF 49(638)-926
PROJ/TASK NR. 9762-37621

AFOSR 396
HARVARD UNIV CAMBRIDGE MASS
SPECTROSCOPIC STUDIES ON ORGANOMETALLIC COMPOUNDS IV. FLUORINE NUCLEAR MAGNETIC RESONANCE SPECTRA OF SOME PERFLUOROVINYL DERIVATIVES OF METALS AND METALLOIDS
SPECTROCHIM ACTA 17 968-976 1961
BY COYLE T D — DDC NR. 253821
STAFFORD S L — CONTRACT NR. AF 49(638)-518
STONE F G A — PROJ/TASK NR. 9762-37620

AFOSR 397
HARVARD UNIV CAMBRIDGE MASS
CHEMISTRY OF THE METAL CARBONYLS XIV. FLUOROCARBON DERIVATIVES OF IRON CARBONYL
JACS 83 3600 1961
BY KING R B — DDC NR. 253821
STAFFORD S L — CONTRACT NR. AF 49(638)-518
TREICHEL P M — PROJ/TASK NR. 9762-37620
STONE F G A

AFOSR 398
COLUMBIA UNIV NY
THEORETICAL INTERPRETATION OF CARBON 13 HYPERFINE INTERACTI IN ELECTRON SPIN RESONANCE SPECTRA
BY KARPLUS M — DDC NR. 255802
FRAENKEL G K — CONTRACT NR. AF 49(638)-520

AFOSR 399
COLORADO UNIV OF BOULDER
BIREFRINGENCE IN A STRAINED VISCOELASTIC FLUID STEADY STATE ROTARY CONDITIONS FEB 1961
BY GILL S J — DDC NR. 254242
DINTZIS F R — CONTRACT NR. AF 49(638)-310
PROJ/TASK NR. 9760-3760-01

AFOSR 400
POLYTECHNIC INST OF BROOKLYN NY
AXIALLY SYMMETRIC LAMINAR FREE MIXING WITH LARGE SWIRL JAN 1961
BY STEIGER, M. H. — DDC NR. 254528
BLOOM, M. H. — CONTRACT NR. AF 49(638)-445
FERRI A<PI> — PROJ/TASK NR. 9781-37712

AFOSR 401
RENSSELAER POLYTECHNIC INST TROY NY
THE OXIDATION OF TETRABORANE, JAN 1961
BY LUDLUM, K. H. — DDC NR. 259093
BAUER, W. <P.I.> — CONTRACT NR. AF 49(638)-897
PROJ/TASK NR. 9751-37510

AFOSR 402
CHICAGO UNIV OF, ILL
THE DISTRIBUTION OF TRAPPED PARTICLES IN A CHANGING MAGNETI FIELD FEB 1961
BY PARKER, E. N. — DDC NR. 261088
SIMPSON J A<PI> — CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9774-37665

AFOSR 403
CHICAGO UNIV OF ILL
THE STELLAR WIND REGIONS
ASTROPHYS J 134 20-27 JUL 1961
BY PARKER, E. N. — DDC NR. 261089
SIMPSON, J. A. <P.I. — CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9774-37665

AFOSR 404
CHICAGO UNIV OF ILL
HYDROSTATIC PROPERTIES OF AN IONIZED ATMOSPHERE FEB 1961
BY PARKER, E. N. — DDC NR. 261090
SIMPSON, J. A.<P.I.> — CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9774-37665

AFOSR 405
CHICAGO UNIV OF ILL
COSMIC RAY PRODUCTION OF LOW-ENERGY GAMMA RAYS JAN 1961
GEOPHYS RSCH 66 2029-2042 JUL 1961
BY JONES, F. C. — DDC NR. 261091
SIMPSON, J. A.<P.I.> — CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9774-37665

AFOSR 406
WASHINGTON UNIV, ST LOUIS, MO
SYNTHETIC APPROACH AND CANONICAL VARIABLES IN A NONLOCAL FIELD THEORY
J MATH PHYS 2 46-51 JAN FEB 1961
BY TANI, S. — DDC NR. 260596
CONDON E U<PI> — CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9751-37512

AFOSR 408
MICHIGAN STATE UNIV, EAST LANSING
THE BETA DECAY OF NATURALLY RADIOACTIVE IN 115
BY BEARD, G. B. — DDC NR. 260873
KELLY W K<PI> — CONTRACT NR. AF 49(638)-10
PROJ/TASK NR. 9750-37500

AFOSR 409
MICHIGAN STATE UNIV EAST LANSING MICH
MAGNETIC FIELD AT THE NUCLEUS IN SPINEL-TYPE CRYSTALS
BY KELLY, W. H. — DDC NR.
FOLEN, V. J. — CONTRACT NR. AF 49(638)-10
HASS, M. — PROJ/TASK NR. 9750-37500
SCHREINER, W. N.
BEARD, G. B.

AFOSR 410
MARYLAND UNIV OF COLLEGE PARK
VIBRATIONAL RELAXATION IN CARBON DIOXIDE JAN 1961
J CHEM PHYS 35 1-9 JUL 1961
BY WITTEMAN W. J. — DDC NR. 253294
BURGERS J. M. <P.I.> — CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 411
ROCHESTER UNIV OF NY
NOTE ON THE PROOF OF,,GABOR-S EXPANSION THEOREM,,
J OPT SOC AMER 51 910-911 AUG U961
BY MIYAMOTO, K. — DDC NR.
HOPKINS R E<PI> — CONTRACT NR. AF 49(638)-602
WOLF E<PI> — PROJ/TASK NR. 9768-37650

AFOSR 412
ROCHESTER UNIV OF NY
SOME PROPERTIES OF COHERENT LIGHT
J OPT SOC 51 815-819 AUG 1961
BY MANDEL, L. — DDC NR.
WOLF, E. — CONTRACT NR. AF 49(638)-602
HOPKINS R E<PI> — PROJ/TASK NR. 9768-37650

AFOSR 413
SYDNEY UNIV OF AUSTRALIA
THE FRAGMENTATION PROBABILITIES OF FAST HEAVY COSMIC-RAY PRIMARIES IN TEFLON
NUOVO CIM SER X, 18 400-402 OCT 1960
BY BRISBOUT, F A — DDC NR.
GAULD C F — CONTRACT NR. AF 49(638)-842
MCCUSKER C B A — PROJ/TASK NR. 9774-37665

AFOSR 415
TECHNISCHE HOCHSCHULE MUNICH GERM
DEC 1960 RIEMANN-S PROBLEM FOR A LAVAL NOZZLE II, TWO-DIMENSIONAL TREATMENT <PART I IS DOCUMENTED AS AFOSR TN 59-709, CONTRACT AF 61<514>-1080> OTS 3.00
BY SCHATZ, R. — DDC NR. 255006
SAUER R<PI> — CONTRACT NR. AF 61(052)-377
PROJ/TASK NR. 9781-37712

AFOSR 416
LIEGE UNIV OF BELGIUM
NUCLEAR QUADRUPOLE RESONANCE IN IRRADIATED CRYSTALS AND IN A SEMI-CONDUCTOR FINAL REPORT JAN 1961
BY DUCHESNE J — DDC NR. 254956
CONTRACT NR. AF 61(052)-167
PROJ/TASK NR. 9760-37600

AFOSR 417
ROYAL INST OF TECHNOLOGY, SWEDEN
DEC 1960 EFFECT OF THE MOLECULAR MODEL ON SOLUTIONS TO LINEARIZED COUETTE FLOW FOR LARGE KNUDSEN NUMBER RE
RAREFIED GAS DYNAMICS ACADEMIC PRESS PP 429-449
BY WILLIS, D. R. — DDC NR. 254995
CONTRACT NR. AF 61(052)-348
PROJ/TASK NR. 9781-37712

AFOSR 418
ROYAL INST OF TECHNOLOGY, SWEDEN
JAN 1961 THEORETICAL INVESTIGATIONS IN LINEAR AND NON-LINEAR PROBLEMS, THE DETERMINATION OF SURFACE INTERACTIONS AND EXAMINATION OF DEVELOPMENT OF SHOCK WAVE IN RAREFIED GAS DYNAMICS FINAL REPORT
BY WILLIS, D. R. — DDC NR. 254996
CONTRACT NR. AF 61(052)-348
PROJ/TASK NR. 9781-37712

AFOSR 419
AERONAUTICAL RESEARCH INSTITUTE OF SWEDEN
OCT 1960 EXPERIMENTAL AND THEORETICAL INVESTIGATION OF SECOND-ORDER SUPERSONIC WING-BODY INTERFERENCE, FOR A NON-LIFTING BODY WITH WINGS AT INCIDENCE
BY WILBY P G — DDC NR. 251340
CONTRACT NR. AF 61(052)-75
PROJ/TASK NR.

AFOSR 420
STRASBOURG UNIV OF FRANCE
JAN 1961 RESEARCH ON THE EXCITED STATES OF LIGHT ATOMIC NUCLEI
BY GORODETZKY, S. — DDC NR. 255004
CONTRACT NR. AF 61(514)-1400
PROJ/TASK NR. 9751-37512

AFOSR 421
NEW YORK UNIV N.Y.
NUMERICAL CONSTRUCTION OF TAYLOR SERIES APPROXIMATIONS FOR A SET OF SIMULTANEOUS FIRST ORDER DIFFERENTIAL EQUATIONS
J ASSOC COMP MACH 8 374-383 JUL 1961
BY CAMPBELL, E. S. — DDC NR. 264384
BUEHLER, R. — CONTRACT NR. AF 49(638)-169
HIRSCHFELDER, J. O. — PROJ/TASK NR. 9751-37510
HUGHES, D.

AFOSR 422
JOHNS HOPKINS UNIV BALTIMORE, MD.
AN EXPERIMENTAL STUDY OF THE INTERRELATION BETWEEN THE THEORY OF DISLOCATIONS IN POLYCRYSTALLINE MEDIA AND FINITE AMPLITUDE WAVE PROPAGATION IN SOLIDS. MAR 196U
BY BELL J. F. DDC NR. 255212
CONTRACT NR. AF 49(638)-423
PROJ/TASK NR. 9763-37631

AFOSR 423
MARYLAND UNIV OF COLLEGE PARK
THE EFFECT OF COLLISIONS ON TWO-STREAM INSTABILITIES IN A PLASMA MAR 1961
SYMP ON ELECTROMAGNETICS AND FLUID DYNAMICS OF GASEOUS PLASMA NY 4-6 APR 1961
BY TIDMAN, D. A. DDC NR. 254030
WIESS, G. H. CONTRACT NR. AF 18(600)-1315
MONTROLL E W(PI) PROJ/TASK NR. 9751-37511

AFOSR 424
CALIFORNIA UNIV OF
MINIMAL TIME REGULATOR PROBLEM FOR LINEAR SAMPLED-DATA SYSTEMS (GENERALT THEORY) FEB 61
J FRANKLIN INST 272 208-228 SEP 1961
BY DESOER, C. A. DDC NR. 256853
WING, J. CONTRACT NR. AF 18(600)-1521
JURY E I(PI) PROJ/TASK NR. 9768-37650

AFOSR 425
RENNSSELAER POLYTECHNIC INST TROY, NY
EFFECT OF FREE-STREAM VORTICITY ON THE BEHAVIOR OF VISCOUS BOUNDARY LAYER ON BLUNT BODY FEB 1961
BY LI, T. Y. DDC NR. 254876
CONTRACT NR. AF 18(600)-1591
PROJ/TASK NR. 9781-37713

AFOSR 426
NORTH CAROLINA UNIV OF CHAPEL HILL
COPPER AS A PHOTOMETRIC INDICATOR IN THE SELECTIVE CHELOMETRIC TITRATION OF METAL ION MIXTURES
BY AIKEN D S DDC NR. 255479
SCHMUCKLER G CONTRACT NR. AF 49(638)-333
SADEK S PROJ/TASK NR. 9763-37630
REILLEY C N

AFOSR 427
STANFORD UNIV, CALIF
PERIPHERAL CONTRIBUTIONS TO HIGH-ENERGY INTERACTION PROCESS FEB 61
REV MOD PHYS 33 458-466 1961
BY DRELL, S. D. DDC NR. 256885
SCHIFF L I(PI) CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR 428
STANFORD UNIV CALIF
ELECTRON SPIN RESONANCE OF ALKYLATED BENZENE ANIONS MAR 61
BY PIER E DDC NR. 262847
TUTTLE T R CONTRACT NR. AF 49(638)-482
PROJ/TASK NR. 9760-37600

AFOSR 429
MELLON INST PITTSBURGH PA
INFRARED SPECTROSCOPIC STUDY OF THE PHOTOLYSIS OF CHLORINE AZIDE IN SOLID ARGON AT
BY MILLIGAN D E DDC NR. 253625
HEXTER R M(PI) CONTRACT NR. AF 49(638)-542
PROJ/TASK NR. 9760-37600

AFOSR 430
MINNESOTA UNIV OF MINNEAPOLIS
REACTION OF ALKYLMERCURIC IODIDES WITH ACID IN THE PRESENCE OF OXYGENS
J PHYS CHEM 65 1055-1056 1961
BY KREEVOY M M DDC NR. 260871
HANSEN R L CONTRACT NR. AF 49(638)-711
PROJ/TASK NR. 9763-37630

AFOSR 431
MINNESOTA UNIV OF MINNEAPOLIS
THE ONE-DIMENSIONAL PLASMA MAR 1961
BY PRAGER S DDC NR. 254140
CONTRACT NR. AF 49(638)-720
PROJ/TASK NR. 9760-37600

AFOSR 432
MINNESOTA UNIV OF, MINNEAPOLIS
ON HOLOMORPHIC FAMILIES OF FIBER BUNDLES OVER THE RIEMANNIAN SPHERE
BY ROHRL, H. DDC NR. 253489
CONTRACT NR. AF 49(638)-885
PROJ/TASK NR. 9769-37658

AFOSR 433
POLYTECHNIC INST OF BROOKLYN, NY
A SPRAY COMBUSTION MODEL WITH DROPLET BREAKUP INCLUDING GAS DYNAMIC COUPLING JUN 1961
BY BURSTEIN, S. DDC NR. 258231
HAMMER, S. CONTRACT NR. AF 49(638)-165
AGOSTA, V. D. PROJ/TASK NR. 9751-37510

AFOSR 434
YESHIVA UNIV NEW YORK, NY
1961 ELECTRON TRANSPORT IN A SEMICONDUCTOR
BY FRISCH, H. L. DDC NR. 252636
LEBOWITZ, J. L. CONTRACT NR. AF 49(638)-753
PROJ/TASK NR. 9751-37511

AFOSR 435
GENERAL ELECTRIC CO, PHILADELPHIA PA
THE GENERALIZED INVERSE PROBLEM OF ORBIT COMPUTATION
PROC 2D INTER SPACE SCI SYMPOSIUM FLORENCE 10-14 APR 1961
PP. 318-338
BY SZEBEHELY V. G. DDC NR.
CONTRACT NR. AF 49(638)-814
PROJ/TASK NR. 9783-3772?

AFOSR 436
CALIFORNIA UNIV OF BERKELEY
TENSILE BEHAVIOR OF LITHIUM FLORIDE MAR 1961
BY HOOVER D N DDC NR. 254821
WASHBURN J CONTRACT NR. AF 49(638)-601
PARKER E R(PI) PROJ/TASK NR. 4754-02

AFOSR 437
PITTSBURGH UNIV OF PA
DIRECT FIELD EFFECTS IN ELECTRON PARAMAGNETIC RESONANCE. HYPERFINE SPECTRA
CHEM PHYS 35 1410-1417 OCT 1961
BY WEIL J A DDC NR.
ANDERSON J H CONTRACT NR. AF 49(638)-323
KEEFER F(PI) PROJ/TASK NR. 9760-37601
DEAN F(PI)

AFOSR 439
STANFORD RSCH INST MENLO PARK CALIF
A PSEUDO-THERMODYNAMIC MODEL FOR THE PHYSICAL BEHAVIOR OF CERIUM METAL
INST FOR THE STUDY OF METALS, UNIV CHICAGO 4TH ANNUAL ANNUAL REPORT TO ONR ON HIGH PRESSURE RSCH OCT 1959-OCT 1960
NONR 2121(03)
BY JAMIESON J C DDC NR.
DUVALLE G E (P.I.) CONTRACT NR. AF 49(638)-625
PROJ/TASK NR. 9760-37601

AFOSR 440
RENSSELAER POLYTECHNIC INST, TROY, NEW YORK
REVIEW OF HYPERSONIC RESEARCH FINAL REPORT MAR 1961
BY LI, T. Y. DDC NR. 254455
CONTRACT NR. AF 18(600)-1591
PROJ/TASK NR. 9781-37713

AFOSR 441
PURDUE UNIV LAFAYETTE IND
STERIC HINDRANCE AS A FACTOR IN THE ALKYOATION OF AMBIDNENT ANIONS THE ALKYLATION OF POTASSIUM 2,6-DI-T-BUTYLPHENOXIDE
JACS 83 3668-3671 SEP 1961
BY KORNBLUM N DDC NR.
SELTZER R CONTRACT NR. AF 49(638)-324
PROJ/TASK NR. 9762-37620

AFOSR 442
STANFORD UNIV CALIF
THE OPTIMUM RESPONSE OF FULL THIRD ORDER SYSTEMS WITH CONTA CONTROL MAR 1961
J BASIC ENGIN, TRANS ASME, CY TO MABEL PAPER NR 61-WA 125 ASME 1 DEC 1961
BY FLUGGE-LOTZ I DDC NR. 256061
TITUS JR H A CONTRACT NR. AF 49(638)-513

AFOSR 443
MARYLAND UNIV OF COLLEGE PARK
CONTINUOUS DEPENDENCE AND UNIUNIQUENESS IN CAUCHY-S PROBLEM FOR FIRST ORDER NON-LINEAR, PARTIAL DIFFERENTIAL EQUATIONS, PAR II APR 1961 1.60
BY DOUGLIS, A DDC NR. 255701
CONTRACT NR. AF 49(638)-590
PROJ/TASK NR. 9783-37727
PROJ/TASK NR. 9783-37726

AFOSR 444
COLUMBIA UNIV NY
SOME POSSIBLE APPLICATIONS OF PROJECT OUTCOMES RESEARCH METHODOLOGY MAR 1961
BY FRANCES A S DDC NR. 256332
NEHMEVAJSA J(P.I.) CONTRACT NR. 49(638)-743
PROJ/TASK NR. 9779-37733

AFOSR 446
RENSSELAER POLYTECHNIC INST TROY NY
PHYSICAL PROPERTIES AND STRUCTURE OF MOLTEN SALTS
J CHEM EDUC 39 59-67 1962
BY JANZ, G DDC NR.
CONTRACT NR. AF 49(638)-978
PROJ/TASK NR. 9760-37600

AFOSR 449
CORK UNIVERSITY COLLEGE IRELAND
NON-LINEAR BENDING OF AN ANNULAR PLATE DEC 1960
BY HART V G DDC NR. 254352
QUINLAN P M(P.I.) CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9783-37737

AFOSR 450
CORK UNIVERSITY COLLEGE IRELAND
THE METHOD FOR RECTANGULAR AND SKEW PLATES DEC 1960
BY QUINLAN P M DDC NR. 254446
CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9783-37737

AFOSR 451
CORK UNIVERSITY COLLEGE IRELAND
PRESSURE-TIME CURVE EXTRAPOLATION IN METEOROLOGICAL FORECASTING DEC 1960
BY KELLY G V DDC NR. 254353
QUINLAN P M(P.I.) CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9783-37737

AFOSR 452
BUREAU OF SOCIAL SCI RSCH INC WASH DC
CULTURAL MODELS OF CAPTIVITY RELATIONSHIPS FEB 1961
BY BIDERMAN A D DDC NR. 257325
CONTRACT NR. AF 49.638#-727
PROJ/TASK NR. 9779-37734

AFOSR 453
BUREAU OF SOCIAL SCIENCE RSCH INC WASH DC
DEATH AS A CRITERION IN THE STUDY OF EXTREME CAPTIVITY SITUATIONS FEB 1961
BY BIDERMAN A D DDC NR. 254487
CONTRACT NR. AF 49.638#-727
PROJ/TASK NR. 9779-37734

AFOSR 454
BUREAU OF SOCIAL SCIENCE RSCH INC WASH DC
THE RELEVANCE FOR THE SOCIAL SCIENCES OF KNOWLEDGE DERIVED FROM STUDIES OF STRESSFUL CAPTIVITY MAR 1961
BY BIDERMAN A D — DDC NR. 253365
SCHEIN E H — CONTRACT NR. AF 49,638B-727
PROJ/TASK NR. 9779-37734

AFOSR 455
WASHINGTON STATE UNIV PULLMN
CONVIENT REACTOR FOR STUDYING REACTION KINETICS OF HIGH BOILING LIQUIDS IN THE GAS PHASE
REV SCI INSTR 32 703-705 JUN 1961
BY SMITH G G — DDC NR. 262596
BAGLEY F D — CONTRACT NR. AF 49(638)-616
PROJ/TASK NR. 9760-37600

AFOSR 456
WASHINGTON STATE UNIV PULLMAN
A NOVEL METHOD OF QUALITATIVE AND QUANTITITATIVE ANALYSES OF PRODUCTS FROM PYROLYSIS
ANALYST 86 480-483 1961
BY SMITH G G — DDC NR.
CONTRACT NR. AF 49(638)-616
PROJ/TASK NR. 9760-37600

AFOSR 457
WASHINGTON STATE UNIV PULLMAN
KINETIC EVIDENCE FOR THE MECHANISM OF PYROLYSIS OF B-HY DROXYOLEFINS
CHEM & INDUS 949-950 1961
BY SMITH G G — DDC NR.
TAYLOR R — CONTRACT NR. AF 49(638)-616
PROJ/TASK NR. 9760-37600

AFOSR 459
OHIO STATE UNIV COLUMBUS
THE GROWTH AND EXTINCTION OF EXPECTANCIES IN CHANCE CONTROLLED AND SKILL TASKS
52 161-177 1961
BY ROTTER J B — DDC NR. 260949
LIVERANT S — CONTRACT NR. AF 49(638)-741
CROWNE D P — PROJ/TASK NR. 9778-37708

AFOSR 460
MARYLAND UNIV OF, COLLEGE PARK
PLASMA SHEATH AND SCREENING AROUND A RAPIDLY MOVING BODY MAR 1961
AMER ASTRON SOC SYMPON INTERACTIONS OF SPACE VEHICLES EITH AN IONIZED ATMOSPHERE WASH DC 17 PAR 61
BY WALKER E. H. — DDC NR. 253850
SINGER S. F. <P.I.> — CONTRACT NR. AF 49(638)-899
PROJ/TASK NR. 9781-37713

AFOSR 461
AVCO-EVERETT RSCH LABORATORY EVEREETT, MASS
AN ELECTROMAGNETIC ROCKET SYSTEM OF HIGH SPECIFIC THRUST
APR 1958
BY ROSA, R. J. — DDC NR. 256792
PATRICK R M<PI> — CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9751-37510

AFOSR 462
GENERAL ELECTRIC CO, PHILADELPHIA, PA
HALL EFFECTS IN A LORENTZ GAS JAN 1961
BY SUTTON, G. W. — DDC NR. 276668
CONTRACT NR. AF 49(638)-914
PROJ/TASK NR. 9750-37501

AFOSR 463
TEXACO EXPERIMENT INC, RICHMOND, VA
AUG 1961 RECOMBINATION OF IONS IN FLAMES ... EFFECT OF TEMPERATURE
BY KING, I. R. — DDC NR.
CONTRACT NR. AF 49(638)-650
PROJ/TASK NR. 9750-37501

AFOSR 464
PRINCETON UNIV, NJ
RATES OF EVAPORATION OF LIQUIDS MAR 1961 OTS 50
BY BOUDART, M. — DDC NR. 259155
CONTRACT NR. AF 49(638)-32
PROJ/TASK NR. 9751-37510

AFOSR 465
UNIV MAYOR DE SAN ANDRES, LA PAZ, BOLIBIA
DEC 1960 OBSERVATIONS OF EXTENSIVE AIR SHOWERS NEAR THE PRESENTED SIMPOSIO DE INVESTIGACIONES ESPECIALES, BUENOS AIRES, 28 NOV - 3 DEC 1960
BY HERSIL — DDC NR. 256061
ESCOBAR I — CONTRACT NR. AF 49(638)-290
SCOTT D — PROJ/TASK NR. 9774-37665
CLARK G
OLBERT S

AFOSR 466
UNIV MAYOR DE SAN ANDRES, LA PAZ BOLIVIA
DEC 1960 ON SOME CHARACTERISTICS OF SOLAR EMISSION OF IONIZED MATTER NOT REPROD AT ASTIA
BY ESCOBAR, I. — DDC NR. 256062
NERURKAR, N. W. — CONTRACT NR. AF 49(638)-290
PROJ/TASK NR. 9774-37665

AFOSR 467
UNIV MAYOR DE SAN ANDRES, LA PAZ, BOLIVIA
DEC 1960 COSMIC RAY INTERSITY VARIATIONS DURING THE MAGNETI STORM OF NOVEMBER 1960
PRESENTED SIMPOSIO DE INVESTIGACIONES ESPECIALES BUENOS AIRES 28 NOV 3 DEC 1960
BY ESCOBAR, I. — DDC NR.
NERURKAR, N. W. — CONTRACT NR. AF 49(638)-290
TRONCOSO, O. — PROJ/TASK NR. 9774-37665
MALDONAD, E.
LAZO, A.
ANDA, R.

AFOSR 470
NORTH CAROLINA UNIV OF CHAPEL HILL
MAR 1961 ON THE RECURRENCE OF PATTERNS
BY SCHUTZENBERGER, M. P. — DDC NR.
BOSE, R. C.<P.I.> — CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37658

AFOSR 471
SYRACUSE UNIV NY
SOME TOPICS ON MARKOV CHAINS
BY NEVEU, J. — DDC NR. 256865
CHUNG K L<PI> — CONTRACT NR. AF 49(638)-265
PROJ/TASK NR.

AFOSR 472
MELLON INST PITTSBURGH PA
VIBRATIONAL EXCITONS II DEGENERATE VIBRATIONS MAR 1961
J CHEM PHYS 36 2285-2295 MAY 1962
BY HEXTER R M — DDC NR. 253622
CONTRACT NR. AF 49(638)-542
PROJ/TASK NR. 9760-37600

AFOSR 473
PLASMADYNE CORP, SANTA ANA, CALIF
IONIZATION IN AN ELECTRODELESS DISCHARGE MAR 1961
BY TREAT, R. P. — DDC NR. 256216
LOOS, H. G.<P .I.> — CONTRACT NR. AF 49(638)-655
PROJ/TASK NR. 9751-37510

AFOSR 474
PRINCETON UNIV NJ
COMPRESSIBILITY EFFECT IN A BOUNDARY LAYER IN A CORNER MAR 1961
BY HABERT, R. — DDC NR. 259530
BODGONOFF S<PI> — CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-37712

AFOSR 475
DOCUMENTATION, INC, WASH DC
EXPERIMENTS WITH THE IBM-9900 AND A DISCUSSION OF AN IMPROVE COMAC AS SUGGESTED BY THESE EXPERIMENTS
J CHEM DEC 2 JAN 1962
BY TAUBE M. — DDC NR.
CONTRACT NR. AF 49(638)-91
PROJ/TASK NR. 9769-37659

AFOSR 476
UNIV OF UPPSALA SWEDEN
THE OCTAHEDRAL COORDINATION IN ADDUCT MOLECULES BOND LENGTH AND BOND ANGLES APR 1961
BY BRANDIN C — DDC NR. 265316
HANSSON A — CONTRACT NR. AF 61(052)-43
HERMODSSON Y — PROJ/TASK NR. 9760-37600
LINDQVIST I

AFOSR 477
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF SBCl5 SO<C6H5>2 APR 1961
BY HARSSON A — DDC NR. 264819
BANNGARD M — CONTRACT NR. AF 61(052)-43
LINDQUIST I<P .I.> — PROJ/TASK NR. 9760-37600

AFOSR 479
MARYLAND UNIV OF COLLEGE PARK
RADIATION BY A LARGE-AMPLITUDE PLASMA OSCILLATION MAR 61
PHYS FLUIDS 4 866-868 JUL 1961
BY TIDMAN, D. A. — DDC NR. 254031
WEISS, G. H. — CONTRACT NR. AF 18(600)-1315
MONTROLL E W<PI> — PROJ/TASK NR. 9751-37511

AFOSR 480
CALIFORNIA UNIV OF BERKELEY
TWO THEOREMS CONCERNING REGULAR MARKOV CHAINS FEB 1961
BY LENDARIS, G. G. — DDC NR. 255355
JURY E I<PI> — CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 481
STANFORD UNIV CALIF
TRANSMISSION SYSTEM OF THE STANFORD MICROWAVE SPECTROHELIO GRAPH MAR 1961
BY YANG, K. S. — DDC NR. 254800
BRACEWELL R N<PI> — CONTRACT NR. AF 18(603)-53
PROJ/TASK NR. 9768-37650

AFOSR 482
CALIFORNIA UNIV OF BERKELEY
ELECTRON-STREAM KINETIC-POWER SECOND-ORDER TERMS AS OBTAINE FROM MACCOLL-S MEAN VALUES MAR 1961
J APPL PHYS 33 236-237 JAN 1962
BY BIRDSALL, C. K. — DDC NR. 255832
WHINNERY J R<PI> — CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9768-37650

AFOSR 483
INDIANA UNIV BLOOMINGTON
THE FIRST EXCITED STATE OF THE HYDROGEN MOLECULE
J CHEM PHYS 35 1189-1202 OCT 1961
BY DAVIDSON E R — DDC NR. 254930
CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 484
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
RANDOM VIBRATION OF BEAMS APR 1961
BY CRANDALL S. H. — DDC NR. 256549
YILDIZ A. — CONTRACT NR. AF 49(638)-564
PROJ/TASK NR. 9782-37718

AFOSR 485
CALIFORNIA UNIV OF LOS ANGELES
ISOTOPE SIZE EFFECT IN BAN DER WAALS RADII AND THE BARRIER TO ROTATION AROUSED THE CARBON-CARBON SINGLE BOND
J CHEM PHYS 35 1527 OCT 1961
BY LIBBY W F — DDC NR.
CONTRACT NR. AF 49(638)-901
PROJ/TASK NR. 9760-37600

AFOSR 486
PRINCETON UNIV NJ
IONIC COPOLYMERIZATION OF SUBSTITUTED STYRENES
J POLYMERS SCI 51 S53-56 1961
BY TOBOLSKY A V — DDC NR. 254273
BOUDREAU R J — CONTRACT NR. AF 49(638)-974
PROJ/TASK NR. 9762-37620

AFOSR 487
PRINCETON UNIV NJ
STUDIES IN IONIC COPOLYMERIZATION DISSERTATION MAR 1961
BY BOUDREAU R J — DDC NR. 254168
CONTRACT NR. AF 49(638)-974
PROJ/TASK NR. 9762-37620

AFOSR 488
MICHIGAN UNIV OF ANN ARBOR
AN ABSTRACT MODEL FOR THE PATTERN RECOGNITION PROCESS APR
APR 1961
BY RICHARDS D. L. — DDC NR.
TANNER W. P. <P.I.> — CONTRACT NR. AF 49(638)-884
PROJ/TASK NR. 9769-37659

AFOSR 489
NORTH CAROLINA UNIV OF CHAPEL HILL
MAR 1961 ON THE CONSTRUCTION OF BOSE-CHAUDHURI MATRICES
WITH THE HELP OF ABELIAN GROUP CHARACTERS
BY FOATA, D. C. — DDC NR.
BOSE, R. C.<P.I.> — CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37658

AFOSR 490
OHIO STATE UNIV COLUMBUS O
BERGMAN OPERATORS FOR THE THREE AND FOUR DIMENSIONAL
LAPLACE EQUATIONS 1961
BY KREYSZIG, E. — DDC NR. 264875
CONTRACT NR. AF 49(638)-362
PROJ/TASK NR. 9752-37522

AFOSR 491
NORTH CAROLINA UNIV OF CHAPEL HILL
MAR 1961 CENTRAL LIMIT THEOREM FOR SUMS OVER SETS OF
RANDOM VARIABLES
BY EICKER, F. — DDC NR.
DUNCAN, D. B.<P.I.> — CONTRACT NR. AF 49(638)-929
NICHOLSON, G. E.<P.I — PROJ/TASK NR. 9783-37727

AFOSR 492
AF OFFICE OF SCIENTIFIC RESEARCH
IMPLICATIONS OF BASIC RESEARCH IN INFORMATION SCIENCES TO
MACHINE DOCUMENTATION
THIRD INST ON INFO STORAGE & RETRIEVAL AMERICAN U.
BY WOOSTER H. — DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR 493
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THEORY OF INTERBAND FARADAY ROTATION IN SEMICONDUCTORS
PHYS REV LTRS 6 464-467 MAY 1961
BY LAX B — DDC NR.
NISHINA Y — CONTRACT NR. AF 19 (604)-7344
BITTER F<P.I.> — PROJ/TASK NR. 9764-37611

AFOSR 494
INDIANA U IV BLOOMINGTON
THE CHEMICAL BOND IN MOLECULAR QUANTUM MECHANICS
J CHEM PHYS 35 1644-1651 NOV 1961
BY SHULL H — DDC NR. 261910
ALLEN T L — CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 495
MINNESOTA UNIV OF MINNEAPOLIS
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BY MEAD C A — DDC NR. 254717
CONTRACT NR. AF 49(638)-940
PROJ/TASK NR. 9760-37600

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RIAS INC BALTIMORE MD
ON LINEAR DIFFERENTIAL EQUATIONS WITH A SMALL PARAMETER MAR
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BY IMAZ C — DDC NR. 256353
LEFSCHETZ S <P.I.> — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

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MAGNETOHYDRODYNAMIC SHEAR HEATING FEB 1961
BY GOURDINE, M. C. — DDC NR. 255737
WANICK R W<PI> — CONTRACT NR. AF 49(638)-335
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AFOSR 498
INST MAREY, FRANCE
REPONSES VISUELLES ET ACOUSTIQUES AU NIVEAU DE LA FACE
MEDIANE ANTERIEURE DU CORTEX CHEZ LE CHAT SOUS CHLORALOSE
J DE PHYSIOL 52 36 1960
BY BRUNER J — DDC NR.
FESSARA D — CONTRACT NR. AF 61(052)-103
PROJ/TASK NR. 9777-37700

AFOSR 499
OXFORD UNIV OF ENGLAND
CARBON ASSIMILATION BY PSEUDOMONAS OXALATICUS <OXI> 4.
METABOLISM OF OXALATE IN CELL-FREE EX TRACTS OF THE ORGANIS
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BIOCHEM J 78 225-236 1961
BY QUAYLE J R — DDC NR. 254447
KEECH D B — CONTRACT NR. AF 61(052)-180
TAYLOR G A — PROJ/TASK NR. 9777-37704
KREBS H A<P.I.>

AFOSR 500
LONDON UNIV OF ENGALND
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BY ORMEROD F C — DDC NR. 254441
CONTRACT NR. AF 61(052)-271
PROJ/TASK NR. 9777-37700

AFOSR 501
WASHINGTON UNIV ST LOUIS, MO
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BY VARNEY, R. N. — DDC NR.
CONTRACT NR. AF 18(600)-1317
PROJ/TASK NR. 9767/---

AFOSR 502
CALIFORNIA INST OF TECHNOLOGY, PASADENA
THE EXISTENCE OF HE3 IN 3 CENTAURI A
ASTROPHYS J 134 777-782 NOV 1961
BY SARGENT, W. L. W. — DDC NR.
JUGAKU, J. — CONTRACT NR. AF 49(638)-21
GREENSTEIN J L<PI> — PROJ/TASK NR. 9774-37663

AFOSR 503
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
THE EFFECT OF EXPOSURE TO WHITE NOISE ON AUDITORY
LOCALIZATION
BY FREEDMAN S J — DDC NR. 256800
PFAFF D W — CONTRACT NR. AF 33(616)-7625
CONTRACT NR. AF AFOSR-61-26
PROJ/TASK NR. 9779-37708

AFOSR 505
NORTHWESTERN UNIV EVANSTON ILL
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BY LAUTENSCHLAGER E — DDC NR. 255288
BRITTAIN J O — CONTRACT NR. AF 49(638)-780
PROJ/TASK NR. 9761-37611

AFOSR 506
CARNEGIE INST OF TECHNOLOGY PITTSBURB PA
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DIRECT OBSERVATION OF IMPERFECTIONS IN CRYSTALS ED J B
NEWKIRK AND J H WERNICK INTERSCIENCE PUBL PP 561-568
BY ROBINSON W H — DDC NR. 261656
LEVINSTEIN H K — CONTRACT NR. AF 49(638)-551
HIRTH J P<P.I .> — PROJ/TASK NR. 9761-37611

AFOSR 507
KAROLINSKA INST STOCKHOLM SWEDEN
RESEARCH ON BRAIN STEM MECHANISMS REGULATING AUTOMATIC
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BY SODERBERG U — DDC NR. 257542
CONTRACT NR. AF 61(052)-119
PROJ/TASK NR. 9777-37700

AFOSR 508
TRIESTE UNIV OF ITALY
DEC 1960 ON A POSSIBLE ENCHANCEMENT OF RELATIVISTIC INCREAS
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BY BUDINI, -. — DDC NR. 259005
TAFFARA, L. — CONTRACT NR. AF 61(052)-211
VIOLA, C. — PROJ/TASK NR. 9768-37650

AFOSR 509
ILLINOIS UNIV URBANA
BASIC AND APPLIED RESEARCH ON SEMICONDUCTORS FINAL REPORT
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BY WEISE E K — DDC NR.
CONTRACT NR. AF 49(638)-212
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AFOSR 510
ZATOR CO. CAMBRIDGE MASS
A CODING METHOD FOR INDUCTIVE INFERENCE APR 1961
BY SOLOMONOFF R. J. — DDC NR. 256886
CONTRACT NR. AF 49(638)-376
PROJ/TASK NR. 9769-37659

AFOSR 512
MANDSLEY HOSPITAL LONDON ENGLAND
AN ATTACHMENT OF PROTAMINES TO CEREBRAL TISSUES, STUDIED IN
RELATION TO GANGLIOSIDES, SURAMIN AND TISSUE EXCITABILITY
BIOCHEM J 79 342-347 1961
BY THOMSON C G — DDC NR. 262287
MCILWAIN H — CONTRACT NR. AF 61(052)-404
PROJ/TASK NR. 9777-37700

AFOSR 513
NEW YORK UNIV NEW YORK
COMPUTER OPTIMIZATION OF NONLINEAR CONTROL SYSTEMS BY
MEANS OF DIGITIZED MAXIMUM PRINCIPLE
IRE INT CONVENTION RECORD 9 48-55 1961
BY CHANG S S L — DDC NR. 269563
RAGAZZINI J R<P.I.> — CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-37650

AFOSR 514
UPPSALA UNIV SWEDEN
TRANSITIONS FOLLOWING THE DECAY OF SE75 DEC 1959
ARKIV FOR FYSIK 16 567-579 FEB 1960
BY CROES H — DDC NR. 254663
BACKSTROM G — CONTRACT NR. AF 61(052)-170
PROJ/TASK NR. 9750-37500

AFOSR 515
JOHNS HOPKINS UNIV, BALTIMORE, MD
ON CERTAIN MONOTONE FUNCTIONS AND PRODUCTS OF INDEPENDENT
FUNCTIONS APR 1961
CIRCOLO MAT SER 11 V. 10 1-19 1961
BY HARTMAN, P. — DDC NR. 254909
CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR 517
PENNSYLVANIA, UNIV OF, PHILADELPHIA
POINT TRANSITIVE TRANSFORMATION GROUPS
TRANS AMER MATH SOC 101 384-395 DEC 1961
BY ELLIS, R. DDC NR. 258249
CONTRACT NR. AF 49(638)-569
PROJ/TASK NR. 9783-37727

AFOSR 518
POLYTECHNIC INST OF BROOKLYN NY
CREEP ANALYSIS OF ANNULAR PLATES MAR 1961
BY VENKATRAMAN, B. DDC NR. 255156
PATEL, S. A. CONTRACT NR. AF 49(638)-302
KEMPNER J(PI) PROJ/TASK NR. 9782-37717

AFOSR 519
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
OPTIMUM SOFT LANDING TRAJECTORIES, PART 1, ANALYSIS MAR 1961
BY BERMAN L. J. DDC NR. 258668
CONTRACT NR. AF 49(638)-363
PROJ/TASK NR. 9783-37726

AFOSR 520
ALLIED RSCH ASSOCIATES INC BOSTON, MASS
THE ADJOINT HEAT CONDUCTION PROBLEM FOR SOLIDS APR 1961
BY GOODMAN T. R. DDC NR. 254769
CONTRACT NR. AF 49(638)-839
PROJ/TASK NR. 9782-37718

AFOSR 521
SYRACUSE UNIV NY
MARKOV CHAINS WITH STATIONARY TRANSITION PROBABILITIES
SPRINGER-VERLAG, BERLIN, 1960
BY CHUNG, K. L. DDC NR.
CONTRACT NR. AF 49(638)-265
PROJ/TASK NR.

AFOSR 522
UPPSALA UNIV SWEDEN
ANGULAR CORRELATION MEASUREMENTS ON LEVELS IN SE76 AND FE 5
BY GRABOWSKI Z DDC NR. 254464
GUSTAFSSON S CONTRACT NR. AF 61(052)-170
MARKLUND I PROJ/TASK NR. 9750-37500

AFOSR 523
UPPSALA UNIV SWEDEN
DETERMINATION OF A 7X10-11 SEC HALFLIFE FOR THE FIRST
EXCITED STATE IN THALLIUM 201
NUCLEAR PHYS 16 175-187 1960
BY LINDSKOG J DDC NR. 254465
BASHANDY E CONTRACT NR. AF 61(052)-170
GERHOLM T R PROJ/TASK NR. 9750-37500

AFOSR 524
UPPSALA UNIV SWEDEN
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NUCLEAR PHYS 15 566-608 1960
BY BACKSTROM G DDC NR. 254466
BERGMAN O CONTRACT NR. AF 61(052)-170
BURDE J PROJ/TASK NR. 9750-37500
LINDSKOG J

AFOSR 525
UPPSALA UNIV SWEDEN
INVESTIGATION OF INTERNAL BREMSSTRAHLUNG CROSS-SECTION WITH
SPECIFIED ELECTRON AND PHOTON ENERGIES
NUCLEAR PHYS 18 131-137 1960
BY THUN J E DDC NR. 254467
PETTERSSON B G CONTRACT NR. AF 61(052)-170
SIEGBAHN K PROJ/TASK NR. 9750-37500

AFOSR 526
UPPSALA UNIV SWEDEN
A SMALL ANGLE X-RAY SCATTERING APPARATUS USING A SPHERICALL
BENT CRYSTAL
J ULTRASTRUCTURE RSCH 3 401-419 1960
BY HAGSTROM S DDC NR. 254468
SIEGBAHN K CONTRACT NR. AF 61(052)-170
PROJ/TASK NR. 9750-37500

AFOSR 527
CALIFORNIA INST OF TECHNOLOGY PASADENA
ON THE WALL EFFECT CORRECTION OF THE STOKES DRAG FORMULA
FOR AXIALLY SYMMETRIC BODIES MOVING INSIDE A CYLINDRICAL
TUBE
J APPL MATH & PHYS (ZAP) 12 6-14 1961
BY CHANG I-D DDC NR. 257211
LAGERSTROM P A(P.I.) CONTRACT NR. AF 49(638)-521
PROJ/TASK NR. 9783-37727

AFOSR 528
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
RESEARCH ON THE CRYSTAL-STRUCTURAL BASES FOR SOME PHYSICAL
PROPERTIES OF CRYSTALLINE SOLIDS, FINAL REPORT 1961
BY PEPINSKY R DDC NR.
CONTRACT NR. AF 18(603)-35
PROJ/TASK NR. 9760-37601

AFOSR 529
MINNESOTA, UNIV OF, MINNEAPOLIS
ON THE REGULARITY OF MARKOV PROCESSES MAR 1961
BY KNIGHT, F. B. DDC NR. 256497
CAMERON, R. H.(P.I.) CONTRACT NR. AF 18(603)-30
PROJ/TASK NR. 9769-37658

AFOSR 530
CALIFORNIA UNIV OF LOS ANGELES
STRESS FIELD IN POLYCREPTALLINE METALS AT INITIAL STAGEOF
PLASTIC DEFORMATION JAN 1961
BY LIN T H DDC NR. 259282
UCHIYAMA S CONTRACT NR. AF 49(638)-20
TUNG T K PROJ/TASK NR. 9763-37631
MARTIN D

AFOSR 531
CORNELL UNIV ITHACA NY
MASS SPECTROMETRIC STUDIES OF LOW PRESSURE PYROLYSIS REACT
OF CHLORINATED AND FLUORINATED C AND C2 COMPOUNDS AND
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JACS 83 3737-3743 SEP 1961
BY BIDINOSTI D R DDC NR.
PORTER R F CONTRACT NR. AF AFOSR-60-25
PROJ/TASK NR. 9763-37630

AFOSR 532
US RUBBER CO WAYNE NJ
PHOTOPEAK COUNTING EFFICIENCIES FOR 3X3 INCH INCH SOLID
AND WELL-TYPE NAL SCINTILLATION CRYSTALS
ANAL CHEM 33 1311-1313 SEP 1961
BY STONER A W DDC NR.
GUNNINK R CONTRACT NR. AF 49(638)-815
EWART R H(PI) PROJ/TASK NR. 9760-37600

AFOSR 533
MELLON INST PITTSBURGH PA
INFRARED SPECTROSCOPIC STUDY OF THE PHOTOLYSIS OF
METHYL AZIDE AND METHYL-D3 AZIDE IN SOLID ARGON AND CARBON
DIOXIDE MAR 1961
BY MILLIGAN D E DDC NR. 254844
HEXTER R M(PI) CONTRACT NR. AF 49(638)-542
PROJ/TASK NR. 9760-37600

AFOSR 534
PITTSBURGH UNIV OF PA
THE POLYHEDRAL CLATHRATE HYDRATES PART 2, STRUCTURE OF THE
HYDRATE OF TETRA ISO-AMYL AMMONIUM FLUORIDE,
J CHEM PHYS 35 1863-1873 NOV 1961
BY JEFFREY G A DDC NR. 265853
CONTRACT NR. AF 49(638)-456
PROJ/TASK NR. 9760-3760

AFOSR 535
ROYAL INST OF TECHNOLOGY, SWEDEN
DEC 1960 CENTER-POINT MASS FLOW THROUGH A CIRCULAR ORIFICE
USING THE INTEGRAL ITERATION METHOD
BY WILLIS, D. R. DDC NR. 254997
CONTRACT NR. AF 61(052)-348
PROJ/TASK NR. 9781-37712

AFOSR 536
ROYAL INST OF TECHNOLOGY, SWEDEN
DEC 1960 INVESTIGATION OF THE DEVELOPMENT OF A SHOCK WAVE
FOR TIMES SMALLER THAN THE AVERAGE COLLISION TIME
BY WILLIS, D. R. DDC NR. 254998
CONTRACT NR. AF 61(052)-348
PROJ/TASK NR. 9781-37712

AFOSR 537
ROYAL INSTITUTE OF TECHNOLOGY, SWEDEN
DEC 1960 ON THE POSSIBLITY OF DE
DEC 1960 ON THE POSSIBILITY OF DETERMINING SURFACE INTER-
ACTIONS BY MEASURING THE NUMBER FLUX OF MOLECULES REFLECTED
FROM A MOVING TARGET
BY WILLIS, D. R. DDC NR. 254999
CONTRACT NR. AF 61(052)-348
PROJ/TASK NR. 9781-37712

AFOSR 538
OSLO UNIV OF NORWAY
RESEARCH ON FUNCTIONAL SIGNIFICANCE OF ..LIMBIC.. AND
RELATED STRUCTURES IN THE BRAIN JAN 61
BY KAADA B R DDC NR.
CONTRACT NR. AF 61(514)-1127
PROJ/TASK NR. 9777-37700

AFOSR 539
NOVEL INST OF PHYSICS, STOCKHOLM, SWEDEN
MAR 1961 INVESTIGATION OF GAMMA RADIATION FROM NUCLEAR
REACTIONS, 1 JAN - 31 DEC 1960
BY MALMFORS, K. G. DDC NR. 262190
CONTRACT NR. AF 61(052)-336
PROJ/TASK NR. 9751-37512

AFOSR 540
CALIFORNIA UNIV OF BERKELEY
THE ANGULAR DISTRIBUTION OF SPUTTERED POTASSIUM ATOMS JAN
1961
BY STEIN R. P. DDC NR.
HURLBUT F. C. CONTRACT NR. N-ONR-222(45)
SCHAAF S. A. (P.I.) PROJ/TASK NR. 9781-37712

AFOSR 541
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO, NY
VISCOSITY OF DISSOCIATED GASES FROM SHOCK TUBE HEAT TRANSFER
MEASUREMENTS
PHYS FLUIDS 4 535-543 MAY 1961U
BY HARTUNIAN R. DDC NR. 260435
MARRONE P. L. CONTRACT NR. AF 18(603)-141
MOORE F. K. (P.I.) PROJ/TASK NR. 9783-37726

AFOSR 542
MARYLAND UNIV OF COLLEGE PARK
THE WAVE MOTIONS OF SMALL AMPLITUDE IN A FULLY IONIZED
PLASMA PT III WITH A TRANSVERSE APPLIED MAGNETIC FIELD MAR61
BY PAI S. I. DDC NR. 254957
BURGERS J. M. (P.I.) CONTRACT NR. AF 49.638#-401
PROJ/TASK NR. 9781-37713

AFOSR 543
NAPLES, UNIV OF ITALY
ASYMPTOTIC CONVERGENCE OF RENORMALIZED
PERTURBATIVE EXPANSIONS JUL 1962
BY CATANIELLO E. R. DDC NR. 285275
CONTRACT NR. AF 61(052)-474
PROJ/TASK NR. 9763-37631

AFOSR 544
MICHIGAN STATE FAST LANSING
METHOD FOR THE DETERMINATION OF ELASTIC CONSTANTS FOR SOME
CRYSTALLOGRAPHIC GROUPS
BY PARKER, P. M. DDC NR. 289170
MAYER, W. G. CONTRACT NR. AF 49(638)-894
PROJ/TASK NR. 9751-37511

AFOSR 546
COLORADO UNIV OF, BOULDER
ON PERIODIC INFINITE RADICALS
BY SCHUSKE G. DDC NR. 256245
THRON W. J. CONTRACT NR. AF 49<638>-100
PROJ/TASK NR. 9783-37727

AFOSR 547
CALIFORNIA UNIV OF BERKELEY
MOLECULAR ORBITAL CORRELATIONS IN ORGANIC CHEMISTRY FINAL REPORT MAR 1961
BY STREITWIESER JR A DDC NR. 255313
CONTRACT NR. AF 49<638>-105
PROJ/TASK NR. 9763-37630

AFOSR 548
MINNESOTA UNIV OF, MINNEAPOLIS
ARITHMETIC PROPERTIES OF BERNOULLI CONVOLUTIONS MAY 1961
BY GARSIA, A. M. DDC NR. 256761
CONTRACT NR. AF 49<638>-857
PROJ/TASK NR. 9752-37522

AFOSR 549
PURDUE UNIV LAFAYETTE IND
RARE EARTH OXIDE SYSTEMS. PART I. A COMPARISON OF THE HYSTERESIS EFFECTS IN PRASEODYMIUM OXIDE AND EVERETT-S THEORY OF HYSTERESIS MAR 1961
BY FAETH P A DDC NR. 255160
CLIFFORD A F CONTRACT NR. AF 18<603>-45
PROJ/TASK NR. 9760-37601

AFOSR 550
HARVARD UNIV, CAMBRIDGE, MASS
GRUNSKY INEQUALITIES AND COEFFICIENTS OF BOUNDED SCHLICHT FUNCTIONS APR 1961
BY SINGH, V. DDC NR. 256016
WALSH, J. L.<P,I.> CONTRACT NR. AF 49<638>-574
PROJ/TASK NR. 9769-37658

AFOSR 551
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON THE FLOW OF A VISCOUS ELECTRICALLY CONDUCTING FLUID
Q APPL MATH 18 408-411 MAR 1961
BY GREENSPAN H P DDC NR. 255648
WHITHAM G B<P,I.> CONTRACT NR. AF 49<638>-708
PROJ/TASK NR. 9752-04

AFOSR 552
HARVARD UNIV CAMBRIDGE, MASS
APPROXIMATION BY BOUNDED ANALYTIC FUNCTIONS TO FUNCTIONS REPRESENTED BY DIRICHLET SERIES, APR 1961
BY EVANS, J. P. DDC NR. 256017
WALSH, J. L. CONTRACT NR. AF 49<638>-865
WALSH, J. L. CONTRACT NR. AF 49<638>-574
PROJ/TASK NR. 9769-37658

AFOSR 553
NEW YORK UNIV, NY
THE THERMAL DECOMPOSITION OF ALUMINUM TRIETHYL FEB 1961
BY SALSER, G. DDC NR. 257019
PELTZMAN, A. CONTRACT NR. AF 49<638>-173
MARSELL, C. J.<P,I.> PROJ/TASK NR. 9750-37501

AFOSR 554
VIRGINIA UNIV OF CHARLOTTESVILLE
STUDIES OF ANTIOXIDANT AND INHIBITOR MECHANISMS AT ELEVATED TEMPERATURES FINAL REPORT APR 1961
BY COLE JR J DDC NR. 260345
CONTRACT NR. AF 18<603>-103
PROJ/TASK NR. 9761-37610

AFOSR 555
ARMOUR RSCH FOUND CHICAGO ILL
RADIATION EFFECTS ON ORGANIC SYSTEMS FINAL REPORT APR 61
BY FENG P Y DDC NR. 256908
CONTRACT NR. AF 18<603>-121
PROJ/TASK NR. 9762-37620

AFOSR 556
MARYLAND UNIV OF COLLEGE PARK
SOME INTEGRAL INEQUALITIES FOR UNFORMLY ELLIPTIC OPERATORS APR 1961
BY BRAMBLE J H DDC NR. 255677
PAYNE L E CONTRACT NR. AF 49<638>-228
WEINSTEIN A<P,I.> PROJ/TASK NR. 9783-37727

AFOSR 558
WASHINGTON UNIV OF SEATTLE
SLIP FLOW IN THE LAMINAR BOUNDARY LAYER OVER A FLAT PLATE AT HYPERSONIC SPEEDS 1 JULY 1959 - 31 DECEMBER 1960 APR 61
BY STREET, R. E. DDC NR. 257834
CONTRACT NR. AF 49<638>-440
PROJ/TASK NR. 9781-37712

AFOSR 559
COLUMBIA UNIV NY
CARBON-13 HYPERFINE SPLITTING IN THE ELECTRON SPIN RESONANC SPECTRA OF SEMIQUINONES AND CYCLOOCTATETRAENE APR 1961
BY STRAUSS H L DDC NR. 255803
FRAENKEL G K CONTRACT NR. AF 49<638>-520
PROJ/TASK NR. 9763-37630

AFOSR 560
MICHIGAN STATE UNIV EAST LANSING
NUCLEAR RESONANCE STUDIES OF ANTIFERROMAGNETIC LI CU CL3 . 2 H2O
PHYSICA 27 850-856 1961
BY SPENCE R D DDC NR.
MURTY C R K CONTRACT NR. AF 49<638>-613
COWAN J A<P,I.> PROJ/TASK NR. 9763-37631

AFOSR 561
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
EXPERIMENTS IN CRYOPUMPING CO2 MAR 1961
BY MOORE, JR, R. W. DDC NR. 256769
CHUAN R L<PI> CONTRACT NR. AF 49<638>-831
PROJ/TASK NR. 9783-37725

AFOSR 562
CALIFORNIA UNIV OF LOS ANGELES
ISOTOPE SIZE EFFECT IN VAN DER WAALS RADII AND THE BARRIER TO ROTATION AROUND THE CARBON CARBON SINGLE BOND
J CHEM PHY 35 1527 OCT 1961
BY LIBBY W F DDC NR.
CONTRACT NR. AF 49.638-901
PROJ/TASK NR. 9760-37600

AFOSR 563
CALIFORNIA UNIV OF LOS ANGELES
CHEMISTRY OF POSITIVE IONS. I GENERAL THEORY PARTICULARY FOR THE RADIATION INDUCED CROSS LINKAGE OF POLYMERS AND POLYMERIZATION OF SATURATED HYDROCARBONS
J CHEM PHYS 35 1714-1722 NOV 1961
BY LIBBY W F DDC NR.
CONTRACT NR. AF 49<638>-901
PROJ/TASK NR. 9760-37600

AFOSR 564
REPUBLIC AVIATION CROP, FARMINGDALE, NY
MAR 1961 THE ELECTROMAGNETIC DETONATION CONCEPT
ARS PROPELLANTLS, COMBUSTION AND LIQUID ROCKETS CONF PALM BEACH, FLA, APR 26 1961
BY FOREMAN, K. M. DDC NR.
KUNEN A E<PI> CONTRACT NR. AF 49<638>-552
PROJ/TASK NR. 9752-37521

AFOSR 565
REPUBLIC AVIATION CORP, FARMINGDALE NY
MAR 1961 PARAMETRIC STUDIES OF STRONG GASEOUS DETONATIONS
BY FOREMAN, K. M. DDC NR.
PEVNEY, H. CONTRACT NR. AF 49<638>-552
MACMILLIAN, R. PROJ/TASK NR. 9752-37521
KUNEN, A. E.<P,I.>

AFOSR 566
LABORATOIRE MEDITERANEEN DE RECH THERMODYN, NICE, FR.
JAN 1961 STUDY OF THE DISTRUBANCE CAUSED BY A MOVING BODY IN A PARTIALLY IONIZED GAS
BY DEVIENNE, F. M. DDC NR. 258301
ROUSTAN A. CONTRACT NR. AF 61<052>-124
PROJ/TASK NR. 9781-37712

AFOSR 567
TRIESTE UNIV OF ITALY
JAN 1961 ON THE ENERGY LOSS AND SPECIFIC IONIZATION OF A RELATIVISTIC PARTICLE IN A POLARIZABLE MEDIUM FINAL REPORT
BY BUDINI, P. DDC NR. 258965
TAFFARA, L. CONTRACT NR. AF 61<052>-211
VIOLA, C. PROJ/TASK NR. 9768-37650

AFOSR 568
OXFORD UNIV ENGLAND
1961 GENERATION OF COHERENT MILLIMETER WAVES
BY WALSH, D. DDC NR. 258727
MOTZ H<PI> CONTRACT NR. AF 61<514>-1183
PROJ/TASK NR. 9768-37650

AFOSR 569
CALIFORNIA UNIV OF LOS ANGLES
ON THE OPTIMUM SYNTHESIS OF RANDOM SAMPLING MULTIPOLE FILTE WITH STATIONARY INPUTS FEB 1961
APPL AND INDUSTRY NOV 1961 P1-9
BY HSIEH H C DDC NR. 257318
ESTRIN E<P,I.> CONTRACT NR. AF 49<638>-438
LEONDES C T<P,I.> PROJ/TASK NR. 9783-37726

AFOSR 570
ROCHESTER UNIV OF NY
THE CONCEPT OF CROSS-SPECTRAL PURITY IN COHERENCE THEORY
J OPT SOC. AMER 51 1342-1350 DEC 1961
BY MANDEL, L. DDC NR.
HOPKINS R E<PI> CONTRACT NR. AF 49<638>-602
WOLF E<PI> PROJ/TASK NR. 9768-37650

AFOSR 571
POLYTECHNIC INST OF BROOKLYN NY
CONDITIONS ON MODEL-REFERENCE ADAPTIVE SYSTEM INPUT SIGNAL FOR STABLE JAN 1961
BY BONGIORNO, JR, J. J. DDC NR.
WEBER E<PI> CONTRACT NR. AF 18<600>-1505
MARCUWITZ N<PI> PROJ/TASK NR. 4751
TRUXAL J G<PI>

AFOSR 572
CALIFORNIA UNIV OF LOS ANGELES
THE THEORY OF TIME OPTIMAL PROCESSES IN LINEAR SYSTEMS
JAN 1961
BUL ACAD SCI USSR 2 449-474 1958
BY GAMKRELIDZE R V DDC NR. 257316
ESTRIN E<P,I.> CONTRACT NR. AF 49<638>-438
LEONDES C T<P,I.> PROJ/TASK NR. 9783-37726

AFOSR 575
COLUMBIA UNIV NY
COMPARATIVE STUDY OF PERSONAL AND PERCEIVED NATIONAL IDEOLOGIES
BY WHEATLEY C DDC NR. 259195
NEHNEVAJSA J<P,I.> CONTRACT NR. AF 49<638>-743
PROJ/TASK NR. 9779-37709

AFOSR 576
CALIFORNIA INST OF TECHNOLOGY, PASADENA
A FAST, CONVENIENT PROGRAM FOR COMPUTATION OF SURFACE-WAVES DISPERSION CURVES IN MULTILAYERED MEDIA
BUL OF THE SEISMOL SOC OF AMER 51 495-502 OCT 1961
BY PRESS, F. DDC NR.
HARKRIDER, D CONTRACT NR. AF 49<638>-910
SEAFELDT C. A. PROJ/TASK NR. 8652

AFOSR 577
PURDUE UNIV LAFAYETTE IND
THE HEAT OF FORMATION OF THE HYPOBROMITE ION
J PHYS CHEM 65 2014-2015 NOV 1961
BY COBBLE J W DDC NR. 256404
DONALD I E CONTRACT NR. AF 18<600>-1525
PROJ/TASK NR. 9760-37600

AFOSR 478
CORNELL AERONAUTICAL LABORATORY, INC, BUFFALO, NY
MOLECULAR BEAM FOR THE STUDY OF HIGH-TEMPERATURE-GAS COLLISI
PROCESSES
PHYS FLUIDS 4 1172-1176 SEP 1961
BY SETTERS G. T.
TREANOR C. <P,I,>
DDC NR. 260309
CONTRACT NR. AF 49(638)-749
PROJ/TASK NR. 9781-37726

AFOSR 479
COLUMBIA UNIV, NEW YORK N Y
LARGE-APERTURE POLARIZERS AND RETARDATION PLATES FOR
USE IN THE FAR ULTRAVIOLET
SCI.INSTR. 31,1008-1010,9 SEP 1961
BY MCDERMOTT W. N.
NOVICE P.
DDC NR.
CONTRACT NR. AF 49(638)-936
PROJ/TASK NR. 9768-37650

AFOSR 480
CORNELL UNIV ITHACA, NY
ON SIMILAR SOLUTIONS FOR STRONG BLAST-WAVES AND THEIR
APPLICATION TO STEADY HYPERSONIC FLOW APR 1961
J APPLMP 31 29 696-701 JUN 1962
BY BROCHER F. F.
SEARS W. R. <P,I,>
DDC NR.
CONTRACT NR. AF 49(638)-566
PROJ/TASK NR. 9781-37712

AFOSR 481
NORTHWESTERN UNIV EVANSTON ILL
THEORY OF CONTINUOUS DISLOCATION AND ITS APPLICATION APR 61
BY BRITTAIN J O
MURA T
DDC NR. 259506
CONTRACT NR. AF 49(638)-780
PROJ/TASK NR. 9761-37811

AFOSR 482
LITTON INDUS, BEVERLY HILLS, CALIF
FOURTH ANNUAL CONTRACTORS MEETING ON ION &
PLASMA ACCELERATION 1961
BY PENFOLD A S
DDC NR. 257892
CONTRACT NR. AF 49(638)-749
PROJ/TASK NR. 9762-37521

AFOSR 483
ROCHESTER UNIV OF N Y
COHERENCE PROPERTIES OF ELECTROMAGNETIC RADIATION,
REPORT ON CONF HELD AT U ROCHESTER 27-29 JUNE 1960
BY ONEILL F. L.
BRADLEY L. C.
WOLF E
HOPKINS H F<PI>
DDC NR. 256057
CONTRACT NR. AF 49(638)-602
PROJ/TASK NR. 9768-37650

AFOSR 484
WASHINGTON UNIV ST LOUIS, MO
ELECTRON SPIN RELAXATION IN METAL-AMMONIA SOLUTIONS
J CHEM PHYS 36,0 866-872,0 MAR 1962
BY POLLAK V. L.
NORBERG R
C<PROM F U<PI>
DDC NR. 260596
CONTRACT NR. AF 18(603)-108
PROJ/TASK NR. 9741-37412

AFOSR 485
EASTERN NAZARENE COLLEGE WOLLASTON MASS
REACTIONS OF ALUMINUM BOROHYDRIDE FINAL REPORT APR 1961
BY CALVIN P
MAYBURY P C
DDC NR. 256807
CONTRACT NR. AF 18(603)-119
PROJ/TASK NR. 9760-37600

AFOSR 486
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE SPECTRUM OF ALPHA SCULPTORIS
PUBL ASTRON SOC PACIFIC 73 260-295 1961
BY JAKARU J
SARGENT L W
GREENSTEIN J L<PI>
DDC NR.
CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9774-37461

AFOSR 487
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
ON HOMOTOPY ABELIAN H-SPACES MAY 1961
BY STASHEFF J D
MARTIN W T<PI>
DDC NR. 258250
CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37650

AFOSR 488
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
OSR-SPONSORED STUDIES ON UNSTEADY AERODYNAMIC AND ROBLINEAR
STRUCTURAL PROBLEMS AT MIT, 1957-1960 FINAL REPORT APR 1961
BY ASHLEY H.
PIAR T. H. M.
DDC NR. 259068
CONTRACT NR. AF 49(638)-180
PROJ/TASK NR. 9782-37710

AFOSR 489
RICE INST, HOUSTON, TEX
ON THE GEOMETRY OF FUNCTIONS HOLOMORPHIC IN THE UNIT CIRCLE,
OF ARBITRARILY SLOW GROWTH, WHICH TEND TO INFINITY ON A
SEQUENCE OF CURVES APPROACHING THE 1961
BY MACLANE G R
DDC NR. 257057
CONTRACT NR. AF 49(638)-209
PROJ/TASK NR. 9769-37650

AFOSR 490
MARYLAND UNIV OF COLLEGE PARK
BOUNDS FOR SOLUTIONS OF SECOND ORDER ELLIPTIC PARTIAL
DIFFERENTIAL EQUATIONS APR 1961
BY BRAMBLE J H
PAYNE L E
WEINSTEIN A<P,I,>
DDC NR. 256019
CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9783-37727

AFOSR 491
MINNESOTA UNIV OF MINNEAPOLIS
STRONG CONVERGENCE IN A PRODUCT SPACE JUNE 1961
PROC AMER MATH SOC 13 691-695 AUG 1962
BY SERRIN J B
DDC NR. 259316
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-37650

AFOSR 492
ILLINOIS INST. OF TECH CHICAGO
TRANSIENT AND DESTRUCTIVE INSTABILITY IN TORSION
TRANS ASM 54 567-570 SEP 1961
BY POLAKOWSKI N H
MOSTOVOY S
DDC NR.
CONTRACT NR. AF 49(638)-308
PROJ/TASK NR. 9760-37601

AFOSR 493
COLUMBIA UNIV N Y
DEFORMATION AND FRACTURE OF CADMIUM AND CADMIUM-MAGNESIUM
ALLOYS APR 1961
BY STOLOFF N S
GENSAMER M<P,I,>
DDC NR. 257735
CONTRACT NR. AF 49(638)-408
PROJ/TASK NR. 9760-37601

AFOSR 494
MICHIGAN UNIV OF ANN ARBOR
BOUNDARY FUNCTIONS FOR FUNCTIONS DEFINED IN A DISK
J. 8,9201-207,9 1961
BY BAGEMIHL F.
PIRANIAN G.
DDC NR.
CONTRACT NR. AF 49(638)-639
PROJ/TASK NR. 9752-37522

AFOSR 495
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HEAT TRANSFER TO COLD ELECTRODES IN A FLOWING IONIZED GAS
APR 1961
BY FAY J A
HOGAN W T
DDC NR. 258251
CONTRACT NR. AF 49(638)-669
PROJ/TASK NR. 9781-37713

AFOSR 496
TEXACO EXPERIMENT INC, RICHMOND VA.
RECOMBINATION OF IONS IN FLAMES DEC 1961
BY KING I. R.
DDC NR. 271380
CONTRACT NR. AF 49(638)-650
PROJ/TASK NR. 9750-37501

AFOSR 497
ROCHESTER UNIV OF NY
A SIMPLE SYNTHESIS OF BICYCLO 2,1,1 HEXANE
JACS 83 2490-2491 JUN 1961
BY MOYES JR W A
DDC NR.
CONTRACT NR. AF 49(638)-679
PROJ/TASK NR. 9760-37600

AFOSR 498
MCMASTER UNIV ONTARIO CAN
OXIDATION OF METALS
INDUS ENGIN CHEM 53 919-926 APR 1961
BY SPELTZER W W
PFEIFER J M
DDC NR. 258151
CONTRACT NR. AF 49(638)-736
PROJ/TASK NR. 9761-37611

AFOSR 499
BRITISH COLUMBIA UNIV OF, VANCOUVER, CAN
SOME RESULTS ON NON-NEGATIVE MATRICES APR 61
J RSCH 65B 209-209 JUL SEP 1961
BY MARCUS, M.
MINC, H
PHYLS B. N.
MOULS B. N. <P,I,>
DDC NR. 258985
CONTRACT NR. AF 49(638)-776
PROJ/TASK NR. 9769-37650

AFOSR 500
AEROJET-GENERAL CORP, AZUSA, CALIF.
INVESTIGATION OF HIGH-ENERGY OXIDIZER BINDERS FOR SOLID
PROPELLANTS(U) AEROJET CONFIDENTIAL REPORT FEB 1961
BY LEE S. M.
SEOLNICK S
DDC NR.
CONTRACT NR. AF 49(638)-838
PROJ/TASK NR. 9750-37501

AFOSR 501
MANITOBA UNIV OF WINNIPEG CAN
STUDIES IN GRAPH THEORY, CONNECTIBILITY AND
REDUCIBILITY OF GRAPHS
CAN J MATH 14,0529-599,0 1962
BY DULMAGE, A. L.
JOHNSON D M
MENDELSOHN N. S.
DDC NR. 256227
CONTRACT NR. AF 49(638)-860
PROJ/TASK NR. 9769-37650

AFOSR 502
NORTHWESTERN UNIV, EVANSTON, ILL
A NEW LIMIT THEOREM FOR RECURRENT EVENTS 1961
BY DWASS M
DDC NR. 259506
CONTRACT NR. AF 49(638)-877
PROJ/TASK NR. 9742-37522

AFOSR 503
PENNSYLVANIA UNIV OF PHILADELPHIA
THE TREATMENT OF AMBIGUITY AND PARADOX IN MECHANICAL
LANGUAGES 1961
AMS SYMP ON RECURSIVE FUNCTION THEORY APR 61
BY GORN S.
DDC NR. 259782
CONTRACT NR. AF 49(638)-993
PROJ/TASK NR. 9769-37659

AFOSR 504
CORNELL AERONAUTICAL LABORATORY INC BUFFALO NY
ON NUMERICAL COMPARISON BETWEEN EXACT AND APPROXIMATE
THEORIES OF HYPERSONIC INVISCID FLOW PAST SLENDER BLUNT-
NOSED BODIES
AMS J 8 5 91 1026-1026 JUL 1961
BY CHENG H K
CHANG A L
HEETDERG A<P ,I,>
DDC NR.
CONTRACT NR. AF 49(638)-952
PROJ/TASK NR. 9781-37713

AFOSR 505
MILAN UNIV OF ITALY
SPIRAL REFLEXES IN MAN AND ANIMAL DURING REST AND AFTER
STRESS, FINAL REPORT 1961
BY MARGARIA R
DDC NR. 259051
CONTRACT NR. AF 61(052)-23
PROJ/TASK NR. 9777-37701

AFOSR 606
FREE UNIV OF BRUSSELS BELGIUM
ROLE OF SULPHYDRYL AND DISULFIDE GROUPS AND SUMM RPT NR 1
FEB 1961
BY BRACHET J DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-17702

AFOSR 607
LUND UNIV OF SWEDEN
STUDY OF SOME ELECTROPHYSIOLOGICAL PROPERTIES OF HUMAN INTERCOSTAL MUSCLE
J PHYSIOL 156 602-607 1960
BY ELMQVIST D DDC NR. 258688
JOHNS T R CONTRACT NR. AF 61(052)-106
THESLEFF S PROJ/TASK NR. 9777-17700

AFOSR 608
LUND UNIV OF SWEDEN
ARE DIHYDROXYPHENYLALANINE DECARBOXYLASE AND 5-HYDROXYTRYPTOPHAN DECARBOXYLASE INDIVIDUAL ENZYMES
ACTA PHYSIOL SCAND 1960
BY ROSENGREN E DDC NR. 257568
CARLSSON A(PI) CONTRACT NR. AF 61(052)-247
PROJ/TASK NR. 9777-17700

AFOSR 609
LUND UNIV OF SWEDEN
BRAIN CATECHOL AMINE CONTENT AFTER SECTIONING THE ADRENERGI NERVES TO THE BRAIN VESSELS
ACTA PHYSIOL SCAND 47 362-366 1959
BY HEATLER A DDC NR. 259286
ROSENGREN E CONTRACT NR. AF 61(052)-247
CARLSSON A(PI) PROJ/TASK NR. 9777-17700

AFOSR 610
LUND UNIV OF SWEDEN
ON THE ROLE OF MONOAMINE OXIDASE FOR THE INACTIVATION OF DOPAMINE IN BRAIN
ACTA PHYSIOL SCAND 1960
BY ROSENGREN E DDC NR. 257569
CARLSSON A(P.I.) CONTRACT NR. AF 61(052)-247
PROJ/TASK NR. 9777-17700

AFOSR 611
MARYLAND UNIV OF COLLEGE PARK
BOLTZMANN EQUATIONS FOR FLOWS WITH CHEMICAL REACTIONS
CONF ON PHYS CHEM IN AERODYN AND SPACE FLIGHT, 8 SEP 1959
U PENNA PLANETARY AND SPACE SCIENCE, V.1, P6-11, 8 FEB 1961
BY BURGERS J. M. DDC NR.
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9761-17713

AFOSR 612
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
NON-CATALYTIC SURFACE FOR DISSOCIATED COMBUSTION GASES
CONF ON PHYS CHEM IN AERODYN AND SPACE FLIGHT, 8 PLANETARY AN SPACE SCIENCE V. 3, FEB 1961 PP. 53-60
BY CUTTING, J. C. DDC NR.
FAY, J. A. CONTRACT NR. AF 49(638)-379
HOGAN W. T. PROJ/TASK NR. 9761-17712
MOFFATT W. C.

AFOSR 613
AERONUTRONIC SYSTEMS INC, GLENDALE, CALIF
INFLUENCE OF PERIODIC PRESSURE VARIATIONS ON CHAIN REACTIONS
PLANETARY AND SPACE SCIENCE V.3, FEB 1961
BY WIGHT H M DDC NR.
ALTMAN D CONTRACT NR. AF 49(638)-911
PROJ/TASK NR. 9751-17510

AFOSR 614
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO NY
SPECTROSCOPIC MEASUREMENT OF THE TEMPERATURE OF SHOCK-HEATED OXYGEN
CONF ON PHYS CHEM IN AERODYN AND SPACE FLIGHT, SEP 1959, URIV PENNA PLANETARY AND SPACE SCIENCE, V. 3, FEB 1961 PP. 150-161
BY WURSTER W. H. DDC NR.
MOORE P. E. (P.I.) CONTRACT NR. AF 18(603)-141
PROJ/TASK NR.

AFOSR 615
STANFORD UNIV CALIF
EXTENSION OF ROSE WHISTLER ANALYSIS APR 1961
BY SMITH R. L. DDC NR. 256955
CARPENTER D. L. CONTRACT NR. AF 18(603)-128
HELLEWELL R A(PI) PROJ/TASK NR. 9760-17650

AFOSR 616
WASHINGTON UNIV ST LOUIS, MO
ELECTRON SPIN RESONANCE ABSORPTION OF TRIS-P-NITROPHENYLMETHYL
39,9116, SEP 1961
BY JONES M. T. DDC NR.
WEISSMAN S I CONTRACT NR. AF 49(638)-466
ROBERG R(PI) PROJ/TASK NR. 9751-17511

AFOSR 617
WASHINGTON UNIV ST LOUIS, MO
A NOTE ON MEASUREMENTS OF RATES OF ELECTRON TRANSFER PROCESSES BY BROADENING OF ESR LINES
39,0797, AUG 1961
BY ZANDSTRA P. J. DDC NR.
WEISSMAN S. I. CONTRACT NR. AF 49(638)-466
ROBERG R(PI) PROJ/TASK NR. 9751-17511

AFOSR 618
DUKE UNIV DURHAM, N C
BIBLIO OF TECHNICAL REPORTS SUBMITTED UNDER CONTRACT SEP 1960
BY GORDY W. DDC NR.
CONTRACT NR. AF 18(600)-497
PROJ/TASK NR. 9760-17650

AFOSR 619
COLUMBIA UNIV N Y
THERMAL TUNING OF RUBY OPTICAL MASER
32,0177-1178,0 JUN 1961
BY ABELLA I. D. DDC NR.
CUMMINS H. Z. CONTRACT NR. AF 49(638)-907
TOWNES C H(PI) PROJ/TASK NR. 9760-17650

AFOSR 620
COLUMBIA UNIV N Y
BINDING ENERGIES OF ALKALI HALIDE MOLECULES JAN 1962
36,0 2069-2078,0 JUN 1961
BY ROTHBERG G. M. DDC NR.
EUSCH P(PI) CONTRACT NR. AF 49(638)-957
PROJ/TASK NR. 9767

AFOSR 621
COLUMBIA UNIV N Y
A CW SOLID STATE, PUSH PULL MASER IN THE 5 TO 6 MILLIMETER WAVELENGTH REGION
32,0294-2942,0 DEC 1961
BY CARTER D. L. DDC NR.
TOWNES C H(PI) CONTRACT NR. AF 49(638)-611
PROJ/TASK NR. 9776-17661

AFOSR 622
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO NY
EXACT SOLUTIONS FOR NONEQUILIBRIUM O
EXACT SOLUTIONS FOR NONEQUILIBRIUM EXPANSIONS OF AIR WITH COUPLED CHEMICAL REACTIONS MAY 1961
BY ESCHENROEDER, A. Q. DDC NR. 257396
BOYER D. W. CONTRACT NR. AF 49(638)-782
HALL J. G. PROJ/TASK NR. 9781-17713

AFOSR 623
MARYLAND UNIV OF COLLEGE PARK
PRODUCTION OF SECONDARY VORTICES IN THE FIELD OF A PRIMARY VORTEX APR 1961
BY WEXER J. R. DDC NR. 259688
RANKIN T. M. CONTRACT NR. AF AFOSR-61-1
PROJ/TASK NR. 9781-17712

AFOSR 624
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE IN A GAMMA-IRRADIATED SINGLE CRYSTAL OF THIODIGLYCOLIC ACID JAN 1961
BY KURITA Y DDC NR. 256589
GORDY W CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9760-17650

AFOSR 625
GEORGIA INST OF TECHNOLOGY, ATLANTA
IONIZATION OF LITHIUM BY FAST PROTONS AND ELECTRONS
PHYS REV 121,0 1985-1987 MAR 1961
BY MCDOWELL M R C DDC NR. 259603
PEACH G CONTRACT NR. AF 18(600)-1924
MC DANIEL F W(PI) PROJ/TASK NR. 9767

AFOSR 626
GEORGIA INST OF TECHNOLOGY, ATLANTA
MASS SPECTROGRAPHIC IDENTIFICATION OF THE ION OBSERVED IN HYDROGEN MOBILITY EXPERIMENTS
PHYS REV LTRS 6,0 110-111,0 FEB 1961
BY BARNES W S DDC NR. 259602
MARTIN D W CONTR CT NR. AF 18(600)-1924
MCDANIEL E W PROJ/TASK NR. 9767

AFOSR 627
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
A MONTE CARLO SOLUTION FOR HEAT TRANSFER IN RAREFIED GASES MAY 1961
BY LAVIN M. L. DDC NR. 259069
CONTRACT NR. AF 49(638)-207
PROJ/TASK NR. 9781-17713

AFOSR 628
PRINCETON UNIV N J
A STUDY OF THE LEADING EDGE OF A SHOCK-INDUCED BOUNDARY LAYER MAR 1961
BY SIEGEL R DDC NR. 260911
BOGDONOFF S CONTRACT NR. AF 49(638)-709
PROJ/TASK NR. 9781-17717

AFOSR 629
TORONTO UNIV OF CAN
APPLICATION OF AN ELECTRON GUN FOR THE MEASUREMENT O+ DENSITY AND TEMPERATURE IN RAREFIED GAS FLOWS APR 1961 FINAL REPORT
BY PATTERSON G. N. DDC NR. 264023
MUNTZ E. P. CONTRACT NR. AF 49(638)-281
GADAMER E. O. PROJ/TASK NR. 9781-17729

AFOSR 630
STANFORD UNIV CALIF
STATISTICAL MECHANICAL BASIS FOR THE SECOND LAW OF THERMODYNAMICS APR 1961
BY NELSON R. A. DDC NR. 262181
STURROCK P A(PI) CONTRACT NR. AF 49(638)-362
PROJ/TASK NR. 9776-17661

AFOSR 631
CALIFORNIA UNIV OF BERKELEY
THERMODYNAMIC BEHAVIOR OF LIQUID HELIUM THREE IN ITS POSSIBLE SUPERFLUID PHASE I
PHYS REV 125,0 1604-1609,0 MAR 1962
BY SODA T. DDC NR. 259867
VASUDEVAN R CONTRACT NR. AF 49(638)-508
WATSON R M PROJ/TASK NR. 9760-17650
HERVEN L.

AFOSR 633
CALIFORNIA UNIV OF BERKELEY
LINKED-DIAGRAM EXPANSION FOR THE EQUATION OF STATE OF A GAS OF MOLECULES OCT 1960
PHYS FLUIDS 4,0659-662,0 N 1961
BY KAUFMAN A N DDC NR.
WATSON R. M. CONTRACT NR. AF 49(638)-500
HERVEY L(PI) PROJ/TASK NR. 9760-17650

AFOSR 635
CONVAIR SAN DIEGO CALIF
TRANSPORT EQUATIONS FOR PLASMAS IN STRONG EXTERNAL FIELDS
PHYS REV TO BE SUBMITTED 124.*308-310.* OCT 1961
BY MEERON E — DDC NR.
AKERIB R<PI> — CONTRACT NR. AF 49<638>-855
PROJ/TASK NR. 9768-37650

AFOSR 636
CASE INST OF TECHNOLOGY NORTH CAROLINA UNIV CHAPEL HILL
A SORTING PROBLEM
J ASSOC COMP MACH 9 282-296 APR 1962
BY BOSE R C — DDC NR. 256333
NELSON R J — CONTRACT NR. AF 49<638>-971
CONTRACT NR. AF 49<638> 213
PROJ/TASK NR. 9752-37522

AFOSR 637
AVCO-EVERETT RSCH LAB, MASS
PROCEEDINGS OF SECOND SYMPOSIUM ON ADVANCED PROPULSION CONCEPTS<U> V.U UNCLASSIFIED V. 2 CONFIDENTIAL V. 0 S-RD.
BY — DDC NR. 255830
CONTRACT NR.
PROJ/TASK NR.

AFOSR 638
READING UNIV ENGLAND
RESEARCH ON THE ANALYSIS OF THE NEURAL MECHANISMS UNDERLYING PERCEPTION JAN 1961
BY VOWLES D M — DDC NR. 258869
CONTRACT NR. AF 61<052>-114
PROJ/TASK NR. 9777-37703

AFOSR 639
NAPLES UNIV OF ITALY
A SOLVABLE MODEL OF FIELD THEORY
NUOVO CIM SER X 20 422-426 APR 1961
BY CAIANIELLO E R — DDC NR. 258322
CAMPOLATTARO A — CONTRACT NR. AF 61<052>-434
PROJ/TASK NR. 9763-37631

AFOSR 640
TECHNION RSCH & DEVEL FOUND HAIFA, ISRAEL
JAN 1961 REAL AND COMPLEX DIFFERENTIAL SYSTEMS FINAL REPORT
BY SCHWARZ B — DDC NR. 258233
CONTRACT NR. AF 61<052>-323
PROJ/TASK NR. 9769-37658

AFOSR 641
UNIVERSITY COLLEGE LONDON, ENGLAND
EVIDENCE FOR PION-PION INTERACTIONS FROM S-WAVE PION NUCLEON SCATTERING FEB 1961
BY HAMILTON J — DDC NR. 258417
MENOTTI P — CONTRACT NR. AF 61<052>-468
SPEARMAN T D — PROJ/TASK NR. 9750-37500
WOOLCOCK W S

AFOSR 643
CORNELL UNIV ITHACA NY
ANISOTROPY OF NUCLEAR MAGNETIC RESONANCE IN VANADIUM PENTOXIDE
J CHEM PHYS 35 753-754 AUG 1961
BY RAGLE J L — DDC NR.
SIENKO M J<P.I.> — CONTRACT NR. AF 49<638>-191
PROJ/TASK NR. 9762-37621

AFOSR 644
CORNELL UNIV ITHACA NY
STUDIES IN NON-STOICHIOMETRY ELECTRICAL CONDUCTIVITY AND CARRIER MOBILITY IN LITHIUM TUNGSTEN BRONZES
JACS 83 3939-3943 OCT 1961
BY SIENKO M J — DDC NR.
TRUONG T B N — CONTRACT NR. AF 49<638>-191
PROJ/TASK NR. 9762-37621

AFOSR 645
CORNELL UNIV ITHACA NY
STUDIES IN NON-STOICHIOMETRY MAGNETIC SUSCEPTIBILITIES IN THE TUNGSTEN-OXYGEN SYSTEM
JACS 83 4149-4152 OCT 1961
BY SIENKO M J — DDC NR.
BANERJEE B — CONTRACT NR. AF 49<638>-191
PROJ/TASK NR. 9762-37621

AFOSR 646
STANFORD UNIV CALIF
THE EFFECTS OF TEMPERATURE ANY TIME ON AIRCRAFT AND MISSILE STRUCTURES JAN 1961 FINAL REPORT
BY HOFF N J — DDC NR. 259372
CONTRACT NR. AF 49<638>-223
PROJ/TASK NR. 9782-37718

AFOSR 647
ILLINOIS UNIV OF URBANA
THE FRENKEL-KONTOROVA DISLOCATION IN A DISCRETE LATTICE APR 1961
BY HOBART R — DDC NR. 256645
THOMSON R M<P.I.> — CONTRACT NR. AF 49<638>-819
PROJ/TASK NR. 9760-37601

AFOSR 650
PRINCETON UNIV, N J
JAN 1960 EXPERIMENTS ON THE IGNITION OF COMPOSITE SOLID PROPELLANTS
BY COWAN P L — DDC NR. 293914
SUMMERFIELD M — CONTRACT NR. AF 49<638>-411
PROJ/TASK NR. 9751-37510

AFOSR 651
UPPSALA UNIV SWEDEN
0 PLUS STATES OF SM 152 AND GD 152
BY MARKLUND I — DDC NR. 258323
NATHAN O — CONTRACT NR. AF 61<052>-13
NIELSEN O B — PROJ/TASK NR. 9750-37500
WOOD T
SIEGBAHN K<P.I.>

AFOSR 652
LABORATOIRE MEDITERANEEN DE RECH THERMODYN, NICE, FR
MAR 1961 FINAL RESULTS OBTAINED IN SETTING UP OF THE MOLECULAR GUN, FINAL REPORT
BY DEVIENNE F. M. — DDC NR. 262973
ROUSTAN J. C. — CONTRACT NR. AF 61<052>-296
PROJ/TASK NR.

AFOSR 653
LONDON UNIVERSITY COLLEGE
D-ORBITALS IN SOME CHEMICAL BONDS JAN 1961 FINAL REPORT
BY CRAIG D P — DDC NR. 258970
ZAULI C — CONTRACT NR. AF 61<052>-61
PROJ/TASK NR. 9760-37600

AFOSR 654
HEBREW UNIV JERUSALEM ISRAEL
JAN 1961 LIMITS AT OF SEMI GROUPS OF CONTRACTION
BY FOGUEL S R — DDC NR. 258234
AGMON S — CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9783-37727

AFOSR 655
PARIS UNIV OF FRANCE
LOW ENERGY PION-PION INTERACTION I JAN 1961
BY TAYLOR J G — DDC NR. 258324
LEVY M <P.I.> — CONTRACT NR. AF 61<052>-173
PROJ/TASK NR. 9750-37500

AFOSR 656
PARIS UNIV OF FRANCE
JAN 1961 PION-PION INTERACTION AND HIGH ENERGY P&D COLLISIO
PHYS REV LTRS 6 237
BY TAYLOR J G — DDC NR. 258448
LEVY M<P.I.> — CONTRACT NR. AF 61<052>-173
PROJ/TASK NR. 9750-37500

AFOSR 657
HEBREW UNIV JERUSALEM ISRAEL
STUDY OF THE LOW TEMPERATURE TRANSITION IN MAGNETITE AND TH INTERNAL FIELDS ACTING ON IRON NUCLEI IN SOME SPINEL FERRIT USING MOSSBAUER ABSORBTION
PHYS REV 122 1447-1450 JUN 196U
BY BAUMINGER R — DDC NR. 258337
COHEN S G — CONTRACT NR. AF 61<052>-347
MARINOV A — PROJ/TASK NR. 9763-37631
OFER S
SEGAL F

AFOSR 658
HEBREW UNIV JERUSALEM ISRAEL
RESEARCH ON DOUBLE X-RAY REFLECTIONS OF SINGLE CRYSTALS FINAL REPORT MAR 1961
BY FRAENKEL B S — DDC NR. 258038
CONTRACT NR. AF 61<052>-222
PROJ/TASK NR. 9763-37631

AFOSR 659
NAPLES UNIV OF ITALY
PART I STUDY OF NON-EQUILIBRIUM FLOW FIELDS OF REACTING MIXTURES PART II ON SOME NEW THERMODYNAMIC POTENTIALS FOR THE STUDY OF NON-EQUILIBRIUM FLOW FIELDS MAR 1961
BY NAPOLITANO L G — DDC NR. 265160
CONTRACT NR. AF 61<052>-327
PROJ/TASK NR. 9781-37712

AFOSR 660
SYRACUSE UNIV NY
PARAMAGNETIC RESONANCE IN SEMICONDUCTORS FINAL REPORT APR 1961
BY HONIG A — DDC NR. 257688
CONTRACT NR. AF 18<603>-50
PROJ/TASK NR. 9672-37621

AFOSR 661
STANFORD UNIV., CALIF
LAMB SHIFT IN THE HELIUM ATOM
123.*1700-1705.* SEP 1961
BY SCHAWARTZ C — DDC NR. 258394
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 662
STANFORD UNIV., CALIF.
MAGNETIC DISPERSION CORRECTIONS TO ELASTIC ELECTRON SCATTERING MAR 1961
TO NUOVO CIMENTO
BY GOLDBERG A — DDC NR.
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 663
STANFORD UNIV., CALIF
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PHYSICAL REVIEW
BY PRATT R. H. — DDC NR. 258208
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 664
STANFORD ., CALIF.
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PHYSICAL REVIEW
BY BOSCO B. — DDC NR. 258209
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 665
MARYLAND UNIV OF COLLEGE PARK
THE EFFECT OF COULOMB SCATTERING ON TWO-STREAM INSTABILITIES IN A PLASMA APR 61
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BY TIDMAN D. A. — DDC NR. 255687
BURGERS J. M. <P.I.> — CONTRACT NR. AF 49<638>-401
PROJ/TASK NR. 9781-37713

AFOSR 666
COLUMBIA UNIV N Y
RESEARCH ON SAMPLED DATA FEEDBACK CONTROL SYSTEMS
MAY 1961 FINAL REPORT
BY KRANC G M — DDC NR. 257403 — CONTRACT NR. AF 18<600>-677 — PROJ/TASK NR. 9768-37650

AFOSR 667
MINNESOAT UNIV OF, MINNEAPOLIS
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BY DONSKER M, D. — LIONS J. L. — CAMERON R H — DDC NR. — CONTRACT NR. AF 18<603>-30 — PROJ/TASK NR. 9769-37658

AFOSR 668
CALIFORNIA UNIV OF, BERKELEY
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BY THOMAS E, — KOSTANT B, <P.I.> — DDC NR. 259876 — CONTRACT NR. AF 49<638>-79 — PROJ/TASK NR. 9769-37658

AFOSR 669
MINN UNIV OF MINNEAPOLIS
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BY HERMANN R — MELNIK W L — DDC NR. 286173 — CONTRACT NR. AF 49<638>-190 — PROJ/TASK NR. 9781-37712

AFOSR 670
CALIFORNIA INST OF TECHNOLOGY PASADENA
CAOMPARATIVE EXPERIMENTAL AND THEORETICAL STUDIES OF THE FLUTTER OF FLAT PANELS IN A LOW SUPERSONIC FLOW, FINAL REPORT MAY 1961
BY LOCK M, H, — FUNG F, Y, — SECHLER E, E, <P.I.> — DDC NR. — CONTRACT NR. AF 49<638>-220 — PROJ/TASK NR. 9782-37718

AFOSR 671
CORNELL UNIV, ITHACA, NY
A SEQUENTIAL MULTIPLE-DECISION PROCEDURE FOR SELECTING THE BEST ONE OF SEVERAL NORMAL POPULATIONS WITH A COMMON UNKNOWN VARIANCE, II,* MONTE CARLO MAY 1961
BIOMETRICS 18 52-67 7AR 1962
BY BECHHOFER R, E, — BLUMENTHAL S, — DDC NR. 257405 — CONTRACT NR. AF 49<638>-230 — PROJ/TASK NR. 9752-37522

AFOSR 672
MINNESOAT UNIV OF MINNEAPOLIS
A NOTE ON THE/MEAN VALUE PROPERTY MAY 1961
BY GARSIA A M — DDC NR. — CONTRACT NR. AF 49<638>-857 — PROJ/TASK NR. 9752-37522

AFOSR 673
STANFORD UNIV CALIF
PLASMA SHEATH FORMATION BY RF FIELDS APR 1961
BY BUTLER H S — CHODOROW M<PI> — DDC NR. 260088 — CONTRACT NR. AF 49<638>-415 — PROJ/TASK NR. 9768-37650

AFOSR 674
WESTERN ONTARIO UNIV CAN
TRANSITION PROBABILITIES OF MOLECULAR BAND SYSTEMS XVIII,* FRANCK-CONDON FACTORS TO HIGH VIBRATIONAL QUANTUM NUMBERS I,* N2 AND N2 MAY 1961
BY NICHOLLS R, W, — DDC NR. 262591 — CONTRACT NR. AF 49<638>-640 — PROJ/TASK NR. 9774-37663

AFOSR 675
WESTERN ONTARIO UNIV OF CAN
TRANSITION PROBALILITIES OF MOLECULAR BAND SYSTEMS XIX FRANCK-CONDON FACTORS TO HIGH VIBRATIONAL QUANTUM NUMBERS II,* SIO, MGO, SRO, AIO, VO, NOB, MAY 1961
BY NICHOLLS R, W, — DDC NR. 262592 — CONTRACT NR. AF 49<638>-640 — PROJ/TASK NR. 9774-37663

AFOSR 676
AEROJET GENERAL CORP, AZUSA, CALIF
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ARS 15TH ANN MTG WASH D C DEC 1960
BY PICKFORD R, S< — PEOPLES R G — DDC NR. 255032 — CONTRACT NR. AF 49<638>-178 — PROJ/TASK NR. 9751-37510

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BY PICKFORD R, S, — PEOPLES R G — DDC NR. — CONTRACT NR. AF 49<638>-178 — PROJ/TASK NR. 9751-37510

AFOSR 679
GEORGIA UNIV OF ATHENS
COMPUTERS IN BEHAVIORAL SCIENCE
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BY ZIMMER H — DDC NR. — CONTRACT NR. AF 49<638>-1012 — PROJ/TASK NR. 9779-37732

AFOSR 680
CHICAGO UNIV OF, ILL
INTRODUCTION TO TOPOLOGY OF FUNCTIONAL SPACES MAY 1961
BY GRANAS A, — MACLANE S, <P.I.> — DDC NR. 257081 — CONTRACT NR. AF 18<600>-1383 — PROJ/TASK NR. 9769-37658

AFOSR 681
CALIFORNIA UNIV OF, BERKELEY
1961 DIFFERENTIAL FORMS AND LIE ALBEBRA FOR ALGEBRAIC LINEAR GROUPS
BY HOCHSCHILD G, — KOSTANT B, — DDC NR. 259905 — CONTRACT NR. AF 49<638>-79 — PROJ/TASK NR. 9769-37658

AFOSR 682
PLASMADYNE CORP SANTA ANA, CALIF
AN EXPERIMENTAL INVESTIGATION OF THE BEHAVIOR OF AN ARC POSITIVE COLUMN IN THE PRESENCE OF FORCED CONVECTION PAR1961
BY THIENE, P G, — CHAMBERS J E — JASKOWSKY W — DDC NR. 260648 — CONTRACT NR. AF 49<638>-334 — PROJ/TASK NR. 9781-37712

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ON THE ANALYSIS OF LINEAR PYROLYSIS EXPERIMENTS JUN 1961
BY WILLIAMS F, A, — NACHBAR W — DDC NR. 260379 — CONTRACT NR. AF 49<638>-412 — PROJ/TASK NR. 9751-37510

AFOSR 684
POLYTECHNIC INST OF BROOKLYN N Y
APPROXIMATE SOLUTIONS FOR REENTRY TRAJECTORIES WITH AERODYNAMIC FORCES MAY 1961
BY WAND K — TING L — FERRI A<PI> — DDC NR. 257618 — CONTRACT NR. AF 49<638>-445 — PROJ/TASK NR. 9781-37712

AFOSR 685
MELLON INST PITTSBURGH PA
THE INFRARED SPECTRA OF THICK FILMS OF CO2&H2O AT LOW TEMPERATURES MAY 1961
BY JACOX M E — MILLIGAN D E — DDC NR. 256499 — CONTRACT NR. AF 49<638>-542 — PROJ/TASK NR. 9760-37600

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BROWN UNIV PROVIDENCE R I
THERMALLY DRIVEN NONLINEAR OSCILLATION IN A PIPE WITH TRAVELLING SHOCK WAVE APR 1961
BY BOA-TEH CHU — SHUH-JING YING — DDC NR. 267069 — CONTRACT NR. AF 49<638>-646 — PROJ/TASK NR. 9751-37510

AFOSR 687
GENERAL ELECTRIC CO, PHILADELPHIA PA
THE COMBINED EFFECT OF TENSOR CONDUCTIVITY AND VISCOSITY ON AN MHD GENERATOR WITH SEGMENTED ELECTRODES JUN 1961
BY SHWEMAN A, — SUTTON G, W, — DDC NR. 260366 — CONTRACT NR. AF 49<638>-914 — PROJ/TASK NR. 9750-37501

AFOSR 688
PRINCETON UNIV, PRINCETON, N J
ON THE HOMOTOPY GROUPS OF THE CLASSICAL GROUPS 1961
BY HARRIS B — DDC NR. 261111 — CONTRACT NR. AF 49<638>-919 — PROJ/TASK NR. 9752-37522

AFOSR 689
NORTHWESTERN UNIV EVANSTON, ILL
FOURIER TRANSFORMS CAMBRIDGE U PRESS 1961 FINAL REPORT CAMBRIDGE UNIV PRESS, 1961 3.75
BY GOLDBERG R R — DDC NR. — CONTRACT NR. AF 49<638>-383 — PROJ/TASK NR. 9783-37727

AFOSR 690
U S NATIONAL BUREAU OF STANDARDS WASH D C
THEORY OF AN ACCURATE INTERMEDIARY ORBIT FOR SATELLITE ASTRONOMY MAY 61
BY VINTI J P — DDC NR. 259506 — CONTRACT NR. CSO 680-60-2 — PROJ/TASK NR. 9783-37726

AFOSR 691
UPPSALA UNIV OF SWEDEN
THE CRYSTAL STRUCTURE OF CR3B4
ACTA CHEM SCAND 15 1178 1961
BY ELFSTROM M — HAGG G<P.I.> — DDC NR. 262205 — CONTRACT NR. AF 61<052>-40 — PROJ/TASK NR. 9762-37621

AFOSR 692
UPPSALA UNIV OF SWEDEN
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ACTA CHEM SCAND 16 1-19 1962
BY RUNDQVIST S — HAGG G<P.I.> — DDC NR. 262199 — CONTRACT NR. AF 61<052>-40 — PROJ/TASK NR. 9762-37621

AFOSR 693
POLYTECHNIC INST OF BROOKLYN N Y
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BY GARG J M — TRUXAL J G<PI> — DDC NR. 257934 — CONTRACT NR. AF 18<603>-105 — PROJ/TASK NR. 9768-37650

AFOSR 694
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE EFFECT OF MOLECULE RECAPTURE ON OSCILLATORY FREE MOLECUL FLOW
2D INTER SYMP ON GAS DYN BERKELEY CALIF AUG 1960 PP 231-244
BY ARARRANEL S, — DDC NR. — CONTRACT NR. AF 49<638>-207 — PROJ/TASK NR. 9781-37713

AFOSR 695
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON UNDAMPED WAVES IN AN INFINITELY LONG PLASMA JET 1961
BY TRILLING L. — KAPLAN R, E, — DDC NR. — CONTRACT NR. AF 49<638>-207 — PROJ/TASK NR. 9781-37713

AFOSR 696
WASHINGTON UNIV ST LOUIS MO
MEAN CONVERGENCE OF ORTHOGONAL SERIES AND CONJUGATE SERIES
JUN 1961
BY ASKEY R
DDC NR. 257830
CONTRACT NR. AF 49(638)-218
PROJ/TASK NR. 9783-37727

AFOSR 697
AERO CHEM RSCH LABORATORIES, INC, PRINCETON, N J
STEADY STATE SURFACE TEMPERATURES OF RADIATION COOLED BODIES IN DISSOCIATING ATMOSPHERES FEB 1961
BY ROSNER D F
CALCOTE H F
DDC NR. 257862
CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9752-37521

AFOSR 698
MINNESOTA UNIV OF MINNEAPOLIS
POLAROGRAPHY AND VOLTAMMETRY IN DIMETHYLSULFOXIDE
ELECTROCHEM SOC 108 980-985 3CT 1961
BY KOLTHOFF I M
REDDY T B
DDC NR.
CONTRACT NR. AF 49(638)-519
PROJ/TASK NR. 9763-37630

AFOSR 699
MINNESOTA UNIV OF MINNEAPOLIS
ACID-BASE EQUILIBRIA IN ACETONITRILE, SPECTROPHOTOMETRIC AN CONDUCTOMETRIC DETERMINATION OF THE DISSOCIATION OF VARIOUS ACIDS
JACS 83 3927-3935 OCT 1961
BY KOLTHOFF I M
DDC NR. 258695
CONTRACT NR. AF 49(638)-519
PROJ/TASK NR. 9763-37630

AFOSR 700
U.S. LIBRARY OF CONGRESS WASH DC
AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY, 1950-1956 1961
BY HOOKER, G. V.
DUFFNER M. H.
YATES D. C.
BROWN C. (P.I.)
DDC NR. 265450
CONTRACT NR. CSO 680-60-4
PROJ/TASK NR. 9769-37659

AFOSR 701
ILLINOIS UNIV OF URBANA
MICROWAVE MODULATION OF LIGHT USING THE KERR EFFECT
51,*1360-1365,* DEC 1961
BY HOLSHOUSER D. F.
FOERSTER H V
CLARK G. L.
DDC NR.
CONTRACT NR. AF 49(638)-556
PROJ/TASK NR. 9768-37650

AFOSR 702
NEW YORK UNIV NY
SYNTHESIS OF LINEAR CONTROL SYSTEMS WITH LOW SENSITIVITY TO PLANT VARIATIONS MAY 1961
BY FLEISCHER P E
CHANG S S L(P.I.)
RAGAZINI J R(P.I.)
DDC NR. 269564
CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-37650

AFOSR 703
RENSSELAER POLYTECHNIC INST TROY NY
THE BENDING OF COLUMNS UNDER AXIAL LOADS OF RANDOM ECCENTRICITY MAY 1961
DEVELOPMENTS IN MECHANICS V, 1 P 143-152
BY ROYCE W F
HANDLEMAN G H(P.I.)
DDC NR. 258422
CONTRACT NR. AF 49(638)-962
PROJ/TASK NR. 9782-37717

AFOSR 704
UTAH UNIV OF SALT LAKE CITY
THE EFFECT OF PRESSURE ON IONIZATION IN GASEOUS DETONATION MAR 1961
BY KEYES R. T.
COOK M. A.
BRACKE P P
DDC NR.
CONTRACT NR. AF 18(603)-100
PROJ/TASK NR. 9751-37511

AFOSR 705
UTAH UNIV OF SALT LAKE CITY
DETONATION-GENERATED PLASMAS JAN 1961
PRO ROYAL SOC SEC A 259,*508-517,* 1961
BY KEYES R. T.
COOK M. A.
BAUER A
DDC NR. 258123
CONTRACT NR. AF 18(603)-100
PROJ/TASK NR. 9751-37511

AFOSR 707
MARYLAND UNIV OF COLLEGE PARK
DIFFUSION FROM A SLIGHTLY IONIZED IN A UNIFORM FLOW
PHYS FLUIDS 4 1298-1302 OCT 1961
BY PIPKIN A. C.
BURGERS J. M. (P.I.)
DDC NR. 258226
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 708
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
RANDOM VIBRATION OF SYSTEMS WITH NONLINEAR RESTORING FORCES JUN 1961
INTERNATIONAL SYMPOSIUM ON NON-LINEAR MECH, KIEV, 1961 FALL-1961
BY CRANDALL S. H.
DDC NR. 259693
CONTRACT NR. AF 49(638)-564
PROJ/TASK NR. 9782-37718

AFOSR 709
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
RANDOM VIBRATION OF A NONLINEAR SYSTEM WITH A SET-UP SPRING JUNE 1961
ASME SHOCK & VIBRATION COMMITTEE ASME MEETING DECEMBER
BY CRANDALL S. H.
DDC NR. 259920
CONTRACT NR. AF 49,638(-564
PROJ/TASK NR. 9782-37718

AFOSR 710
RENSSELAER POLYTECHNIC INST TROY N J
THE OXIDATION OF SYM-DIETHYLDIBORANE MAY 1961
BY SANDVIK E I
BAUER W
DDC NR. 259091
CONTRACT NR. AF 49(638)-897
PROJ/TASK NR. 9751-37510

AFOSR 712
U S NATIONAL BUREAU OF STANDARDS, WASH D C
THEORY OF AN ACCURATE INTERMEDIARY ORBIT FOR SATELLITE ASTRONOMY
J RSCH 65B,*169-201,* JUL-SEP 1961
BY VINTI J P
DDC NR.
CONTRACT NR. CSO-680-60-2
PROJ/TASK NR. 9783-37726

AFOSR 714
COPENHAGEN UNIV OF DENMARK
SOME FINDINGS ON CENTRAL NERVOUS SYSTEM ORGANIZATION WITH RESPECT TO COLOR
THE VISUAL SYSTEM NEUROPHYSIOLOGY AND PSYCHOPHYSICS
SYMPOSIUM FREIBURG 28 AUG 3 SEP 1960, SPRINGER-VERLAG 1961
PP 191-197
BY LENNOX-BUCHTHAL M A
DDC NR.
CONTRACT NR. AF 61(052)-189
PROJ/TASK NR. 9777-37700

AFOSR 715
KAROLINSKA INST STOCKHOLM SWEDEN
ANALYSIS OF SPINAL INTERNEURONS ACTIVATED BY TACTILE AND NOCICEPTIVE STIMULATION
ACTA PHYSIOL SCAND 50 337-355 1960
BY KOLMODIN G M
SKOGLUND C R
BERNHARA C G(P.I.)
ENGSTROM A(P.I.)
DDC NR.
CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-37700

AFOSR 716
BURDEN NEUROLOGICAL INST, BRISTOL ENGLAND
RELATION BETWEEN NEUROPHYSIOLOGICAL AND PSYCHO-SOCIAL ASPEC OF HUMAN MENTALITY AND BEHAVIOR, FINAL REPORT MAR 1961
BY WALTER W G
DDC NR. 262029
CONTRACT NR. AF 61(514)-1178
PROJ/TASK NR. 9778-37708

AFOSR 719
UTAH UNIV OF SALT LAKE CITY
PRELIMINARY REPORT ON THE INVESTIGATION OF THE FEASIBILITY OF AN ELECTROSTATIC ACCELERATOR PART I VAN DE GRAAFF GENERATOR PART II CHARGING OF MICROPPARTICLES NOV 1960
BY JESPERSON G. K.
REID D. W.
GROW R. W.
PALMER F. P.
DDC NR. 257046
CONTRACT NR. AF 49(638)-462
PROJ/TASK NR. 9774-37663

AFOSR 720
CALIFORNIA UNIV OF BERKELEY
ON THE IDENTIFICATION AND ADAPTIVE CONTROL OF SAMPLED-DATA SYSTEMS MAR 1961
BY LENDARIS G. G.
JURY E I(PI)
DDC NR. 259906
CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 721
NATIONAL ACADEMY OF SCIENCES WASH D C
PROBLEMS RELATED TO INTERPLANETARY MATTER, FINAL REPORT
BY COLEMAN J. S.
DDC NR.
CONTRACT NR. AF 49(638)-751
PROJ/TASK NR. 9774-37663

AFOSR 722
NEW YORK UNIV NY
ATTEMPTS AT DERIVATION OF TRANSITION FROM LAMINAR INTO TURBULENT FLOW ALONG A FLAT PLATE FINAL REPORT PT I NOV 60
BY LUDLOFF H F
DE SANTO D F
DDC NR. 257566
CONTRACT NR. AF 18(603)-25
PROJ/TASK NR. 9781-37712

AFOSR 723
NEW YORK UNIV NY
NUMERICAL STUDIES OF TRANSITION FROM LAMINAR TO TURBULENT FLOW OVER A FLAT PLATE FINAL REPORT APR 1961 PT II
BY KELLER H B
DE SANTO D F
DE SANTO D F
DDC NR. 257567
CONTRACT NR. AF 49,638-446
CONTRACT NR. 49(638)-446
PROJ/TASK NR. 9781-37712

AFOSR 724
PURDUE UNIV LAFAYETTE IND
RARE EARTH OXIDE SYSTEMS PART II THE INFRARED SPECTRA OF PRASEODYMIUM OXIDE AND PRASEODYMIUM CARBONATE APR 1961
BY FAETH P A
CLIFFORD A F
HONIG J(P.I.)
DDC NR. 258252
CONTRACT NR. AF 18(603)-45
PROJ/TASK NR. 9760-37601

AFOSR 725
STANFORD UNIV CALIF
DYNAMIC POLARIZATION ANOMALIES IN ORGANIC FREE RADICALS JUN 1961
BY WEBB R H
PAKE G E(PI)
DDC NR. 261506
CONTRACT NR. AF 18(603)-131
PROJ/TASK NR. 9751-37511

AFOSR 726
CALIFORNIA INST OF TECHNOLOGY, PASADENA
THE FORMATION OF THE SUN AND PLANETS FEB 1961
ICARUS 1,*13-69,* MAY 1962
BY CAMERON A. G. W.
GREENSTEIN J L(PI)
DDC NR. 289469
CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9774-37663

AFOSR 727
OHIO STATE UNIV COLUMBUS
NEW METHOD FOR TREATING THE ANTIVERROMAGNETIC GROUND STATE
PHYS REV 120 789-801 NOV 1960
BY DAVIS H L
KORRINGA J(P.I.)
DDC NR. 257042
CONTRACT NR. AF 49(638)-264
PROJ/TASK NR. 9760-37601

AFOSR 728
NEW YORK UNIV N Y
SOLUTION OF THE EQUATIONS OF STATISTICAL MECHANICS
J MATH PHYS 2,* 222-231,* MAR-APR, 1961
BY LEWIS R. M.
KRAICHNAN R H
KLINE M(PI)
DDC NR.
CONTRACT NR. AF 49(638)-341
PROJ/TASK NR. 9768-37650

AFOSR 729
OHIO STATE UNIV COLUMBUS
NEUTRON DIFFRACTION STUDY OF SOLID DEUTEROAMMONIA
J CHEM PHYS 35 1730-1737 NOV 1961
BY REED J W — DDC NR.
HARRIS P M — CONTRACT NR. AF 49(638)-397
PROJ/TASK NR. 9760-37601

AFOSR 730
ILLINOIS UNIV OF URBANA
OBSERVATIONS ON THE GROWTH OF -IRON SINGLE CRYSTALS BY HALOGEN REDUCTION
J APPL PHYS 32 1844-1845 OCT 1961
BY WAYMAN C M — DDC NR. 257331
READ T A(P.I.) — CONTRACT NR. AF 49(638)-420
PROJ/TASK NR. 9760-37601

AFOSR 731
CARNEGIE INST OF TECHNOLOGY PITTSBURG PA.
THERMAL PITTING AND DISLOCATIONS IN SILVER MAR 1961
BY WINTERBOTTOM W L — DDC NR. 261655
ROBINSON W H — CONTRACT NR. AF 49(638)-551
HIRTH J P — PROJ/TASK NR. 9761-37611

AFOSR 732
ARMOUR RSCH FOUND CHICAGO ILL
STRUCTURE OF DEFECT CLUSTERS IN SOLIDS MAY 1961
BY BUTTREY J W — DDC NR. 258384
BRAGG R H(P.I.) — CONTRACT NR. AF 49(638)-829
PROJ/TASK NR. 9763-37631

AFOSR 733
DELAWARE UNIV OF NEWARK
SELF-DIFFUSION IN DELTA IRON APR 1961
BY STAFFANSSON L I — DDC NR. 259447
BIRCHENALL C E — CONTRACT NR. AF 49(638)-872
PROJ/TASK NR. 9760-37601

AFOSR 734
MINNEAPOLIS-HONEYWELL REGULATOR COMPANY HOPKINS, MINN
TELLURIUM JAN 1961
PROGRESS IN SEMICONDUCTORS 6 39-84 1962 HEYWOOD & CO LTD, LONDON
BY BLAKEMORE J S — DDC NR.
LONG D — CONTRACT NR. AF 49(638)-908
NOMURA K C — PROJ/TASK NR. 9760-37601
NUSSBAUM A

AFOSR 735
WEIZMANN INST OF SCI REHOVATH ISRAEL
WATER-INSOLUBLE TRYPSIN DERIVATIVE AND ITS USE AS TRYPSIN COLUMN
NATURE 188 856-857 DEC 1960
BY BAR-ELI A — DDC NR. 256719
KATCHALSKI E — CONTRACT NR. AF 61(052)-391
PROJ/TASK NR. 9777-37702

AFOSR 736
OXFORD UNIV OF ENGLAND
ENZYMIC OXIDATION OF 5-HYDROXYTRYPTAMINE BY PIG SERUM
J PHYSIOL 154 599-601 1960
BY BLASCHKO H — DDC NR.
LEVINE W G — CONTRACT NR. AF 61(052)-235
PROJ/TASK NR. 9777-37700

AFOSR 737
STOCKHOLM UNIV OF SWEDEN
AN APPARATUS FOR EXPERIMENTS ON VELOCITY PERCEPTION OCT 60
BY LENNING G — DDC NR. 262147
NASHMOUR M — CONTRACT NR. AF 61(052)-300
EKMAN G(P .I.) — PROJ/TASK NR. 9778-37708

AFOSR 738
STOCKHOLM UNIV OF SWEDEN
PSYCHOPHYSICAL RELATIONS IN VISUAL PERCEPTION OF LENGTH, AREA AND VOLUME OCT 1960
SCAND J PSY CHOL 2 1-10 1961
BY EKMAN G — DDC NR. 262148
JUNGE K — CONTRACT NR. AF 61(052)-300
PROJ/TASK NR. 9778-37708

AFOSR 739
STOCKHOLM UNIV OF SWEDEN
SCALES FOR SUBJECTIVE DISTANCE NOV 1960
SCAND J PSYCH 1 187-192 1960
BY KUNNAPAS T M — DDC NR. 262360
EKMAN G(P.I.) — CONTRACT NR. AF 61(052)-300
PROJ/TASK NR. 9778-37708

AFOSR 740
STOCKHOLM UNIV OF SWEDEN
NOTE ON THE SUBJECTIVE SPEED OF MANUAL WORK
SCAND J PSYCH 1 177-180 1960
BY EKMAN G — DDC NR. 262152
HERBERT A — CONTRACT NR. AF 61(052)-300
PROJ/TASK NR. 9778-37708

AFOSR 741
IST NAZIONALE DI OTTICA ITALY
A METHOD FOR IMPROVING THE DETECTABILITY OF SMALL PATCHES DARKER THAN THE BACKGROUND
ATTI D FONDAZ G RONCHI 15 613-617 NOC DEC 1960
BY ERCOLES A M — DDC NR. 262263
RONCHI L — CONTRACT NR. AF 61(052)-80
TORAIDO DI FRANCIA G — PROJ/TASK NR. 9777-37701

AFOSR 742
IST NAZIONALE DI OTTICA ITALY
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BY BITTINI M — DDC NR. 258072
TORALDO DI FRANCIA G — CONTRACT NR. AF 61(052)-80
PROJ/TASK NR. 9777-37701

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NEUROPHYSIOLOGY, EVIDENCE, IN THE FREELY AWAKENED CAT, OF THE ASSOCIATIVE CORTICAL ACTIVITIES APPEARING ONLY IN THE INATTENTIVE ANIMAL
BY ALBE-FESSARD D — DDC NR.
MALLART A — CONTRACT NR. AF 61(052)-103
ALEONARD P — PROJ/TASK NR. 9777-37700

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INST MAREY FRANCE
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MALLART A — CONTRACT NR. AF 61(052)-103
ALEONARD P — PROJ/TASK NR. 9777-37700

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BY FAVALE E — DDC NR. 258871
GIUSSANI A — CONTRACT NR. AF 61(052)-461
ROSSI G F — PROJ/TASK NR. 9777-37700

AFOSR 746
NEW YORK UNIV N Y
QUANTUM STATISTICS AND THE BOLTZMANN EQUATION
BY LEWIS R. M. — DDC NR. 260007
KRAICHNAN R H — CONTRACT NR. AF 49(638)-341
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AFOSR 747
MARYLAND UNIV OF COLLEGE PARK
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ZEIT FUR ASTROPHYS 54,*190-199-199,* 1962
BY JAGGI R. K. — DDC NR. 257669
MONTROLL E W(PI) — CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9751-37511

AFOSR 748
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BY DORATO P — DDC NR. 258397
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MARYLAND UNIV OF COLLEGE PARK
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BY BURGERS J. M. — DDC NR. 258227
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 752
GENERAL APPLIED SCI LABORATORATORIES INC WESTBURY LI, N Y
A THEORETICAL ANALYSIS OF THE TURBULENT MIXING OF REACTIVE GASES WITH APPLICATION TO THE SUPERSONIC COMBUSTION OF HYDROGEN
ARSJ 32,*388-396,* MAR 1962
BY LIBBY P A — DDC NR. 288166
FERRI A(PI) — CONTRACT NR. AF 49(638)-991
PROJ/TASK NR. 9751-37510

AFOSR 753
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STUDIES ON DRIVE AND INCENTIVE IN PEROCELPTION III, SOME EFFECTS OF DRIVE ON STIMULUS GENERALIZATION OBTAINED WITH A REVISED TRAINING PROCEDURE
BY ZAJONC R B — DDC NR. 257895
CONTRACT NR. AF 49(638)-367
PROJ/TASK NR. 9778-37708

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BY TOOMIG T. E. — DDC NR.
PEVSNER A(PI) — CONTRACT NR. AF 18(603)-143
PROJ/TASK NR. 9750-37500

AFOSR 755
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RESEARCH ON PROPERTIES OF CLEAN SURFACES FINAL REPORT MAY 61
BY MORRISON S R — DDC NR. 256262
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LIEGE UNIV BELGIUM
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BY BUREAU F. J. — DDC NR. 262025
CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-37650

AFOSR 757
MARYLAND UNIV OF COLLEGE PARK
THE USE OF A T-TUBE TO PRODUCE SHOCK-HEATED PLASMAS IN AN X-BRAND WAVEGUIDE APR 1961
BY SCHECHER J. M. — DDC NR. 258737
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

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SOME HIGHER ORDER INTEGRAL IDENTITIES WITH APPLICATION TO BOUNDING TECHNIQUES APR 1961
BY BRAMBLE J H — DDC NR. 256902
HUBBARD B E — CONTRACT NR. AF 49(638)-228
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MARYLAND UNIV OF COLLEGE PARK
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BY BELLAR JR F J — DDC NR. 256984
WEINSTEIN A<PI> — CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

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DIFFERENTIAL THERMOMETRIC TITRATIONS AND THE DETERMINATION
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BY BRICKER C E — DDC NR.
TYSON B C — CONTRACT NR. AF 49<638>-467
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BY MILLIGAN D E — DDC NR. 258393
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PROJ/TASK NR. 9760-37600

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SOLID-STATE VIBRATIONAL SPECTRA OF ETHYLENE AND ETHYLENE-D4
BY JACOX M E — DDC NR. 257303
HEXTER R M<PI> — CONTRACT NR. AF 49 <638>-542
PROJ/TASK NR. 9760-37600

AFOSR 765
MARYLAND UNIV OF COLLEGE PARK
STABILITY AND TRANSITION OF THE FREE-CONVECTION LAYER ALONG
A VERTICAL FLAT PLATE MAY 1961
ASME 26 NOV-1 DEC 1961. NY PAPER 61-WA-338
BY SZEWCZYK A. A. — DDC NR. 258750
CONTRACT NR. AF 49<638>-645
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AFOSR 766
WASHINGTON UNIV OF SEATTLE
ASSIGNMENT OF ELECTRONIC TRANSITIONS IN AZO DYE PROTOTYPES
J CHEM PHYS 36 580-588 FEB 1962
BY SIMPSON W T — DDC NR.
CONTRACT NR. AF 49<638>-677
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BY HEMP W. S. — DDC NR. 259373
HOFF J<PI> — CONTRACT NR. AF 49<638>-223
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A NOTE ON REARRANGEMENT COLLISIONS MAR 1961
BY DAY T. B. — DDC NR. 259315
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SNOW G. A. — PROJ/TASK NR. 9751-37512
SUCHER J.
TOLL J S<PI>

AFOSR 772
MARYLAND UNIV OF COLLEGE PARK
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BY LICHT A. L. — DDC NR. 259316
TOLL J. S. — CONTRACT NR. AF 49<638>-24
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MARYLAND UNIV OF COLLEGE PARK
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DISPERSION THEORY 1961
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PROJ/TASK NR. 9751-37512

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BY BLAU M. — DDC NR.
CARTER C. F. — CONTRACT NR. AF 49<638>-97
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CHICAGO UNIV OF ILL
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PRIMARY STAR ANALYSIS
NUOVO CIM SER X.* 21.*213-334.* JUL 1961
BY SCHLEIN P. E. — DDC NR.
SLATER W. E. — CONTRACT NR. AF 49<638>-209
TELEGDI V. L. — PROJ/TASK NR. 9750-37500

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MCMASTER UNIV ONTARIO CAN
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BY ISENOR N. R. — DDC NR. 258871
BARBER R. C. — CONTRACT NR. AF 49<638>-247
DUCKWORTH H. E. — PROJ/TASK NR. 9750-37500

AFOSR 777
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BY DUCKWORTH H. E. — DDC NR. 259322
CONTRACT NR. AF 49<638>-247
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PRINCETON UNIV N J
SOME ANALYTIC PROPERTIES OF A DECAY AMPLITUDE WITH
FINAL STATE INTERACTIONS THE VERTEX DIAGRAMS IN K3DECAY
BY BARTON G. — DDC NR.
KACSER C. — CONTRACT NR. AF 49<638>-304
GOLDBERGER M L<PI> — PROJ/TASK NR. 9750-37500

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PRINCETON UNIV N J
SOME PROPERTIES OF THE FIVE-POINT FUNCTION IN
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BY JR COOK L. F. — DDC NR.
TARSKI J — CONTRACT NR. AF 49<638>-304
GOLDBERGER M L<PI> — PROJ/TASK NR. 9750-37500

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SOME EXAMPLES OF CANONICAL TRANSFORMATIONS IN
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BY HALPERN R. — DDC NR.
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CALIFORNIA UNIV OF BERKELEY
ASYMPTOTIC BEHAVIOUR AND SUBTRACTIONS IN THE
MANDELSTAM REPRESENTATION
TO BE PUBLISHED
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CONVERSION OF MUONIUM INTO ANTIMUONIUM
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AFOSR 783
STANFORD UNIV CALIF
THE GROUND STATE OF SOLID HE3 MAY 1961
PHYS REV 126 1724-1736 JUN 1962
BY SAUNDERS F M — DDC NR. 258210
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 784
FLORIDA STATE UNIV TALLAHASSEE
ANGULAR DISTRIBUTION OF RADIATION FOLLOWING
C12<P1,P22>C12 MAR 1961
NUC PHYS 30.**513-519.* 1962
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TENNER G M<PI> — CONTRACT NR. AF 49<638>-427
PROJ/TASK NR. 9750-37500

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WASHINGTON UNIV ST LOUIS MO
POSITRON LIFETIMES AGAINST ANNIHILATION IN
METALS AND ALKALI HALIDES MAR 1961
BYLLAR B. L. — DDC NR. 259383
CONDON E U<PI> — CONTRACT NR. AF 18<603>-108
PROJ/TASK NR. 9751-37512

AFOSR 786
RENSSELAER POLYTECHNIC INST TROY NY
BIBLIOGRAPHY ON MOLTEN SALTS 2D ED JUN 1961
BY JANZ G J — DDC NR. 258774
CONTRACT NR. AF 49<638>-978
PROJ/TASK NR. 9760-37600

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PURDUE UNIV LAFAYETTE IND
HALOFERROCENES. THE SYNTHESIS OF FERROCENYLACETYLENE1
J ORG CHEM 26 4179-4180 1961
BY BENKESER R A — DDC NR.
FITZGERALD JR W P — CONTRACT NR. AF 49<638>-297
PROJ/TASK NR. 9760-37600

AFOSR 788
NORTH CAROLINA UNIV CHAPEL HILL
A CONSTANT CURRENT MICROCOULOMETRIC TECHNIQUE FOR
DROPPING MERCURY ELECTRODES THE DETERMINATION OF THE NUMBER
OF ELECTRONS INVOLVED IN POLAROGRAPHIC REDUCTIONS
BY MARK H B — DDC NR. 259140
SMITH E M — CONTRACT NR. AF 49<638>-333
REILLEY C N — PROJ/TASK NR. 9763-37630

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A SENSITIVE POLAROGRAPHIC TECHNIQUE MAY 1961
BY MARK JR H B — DDC NR. 259139
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PROJ/TASK NR. 9763-37630

AFOSR 792
POLYTECHNIC INST OF BROOKLYN N Y
AN INVESTIGATION OF THE JUNGLE GYM PERIODIC
STRUCTURE MAY 1961
BY MOHR B — DDC NR. 258702
MARCUWITZ N. — CONTRACT NR. AF 18<600>-1505
TRUXAL J. G. — PROJ/TASK NR. 4751
WEBER E<PI>

AFOSR 793
ROCHESTER UNIV OF N Y
A GENERAL THEORY OF THE BOUNDARY DIFFRACTION WAVE
PART I A NEW REPRESENTATION OF WAVEFIELDS PART II
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BY MIYAMOTO K — DDC NR. 289173
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WOLF E — CONTRACT NR. AF 49(638)-602
HOPKINS R E(PI) — PROJ/TASK NR. 9768-37650

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HARVARD UNIV, CAMBRIDGE MASS
ON THE CONVEXITY OF THE OVALS OF LEMNISCATES SEP 1961
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ET AL STANFORD U PRESS 1962 PP, 419-423
BY WALSH J. L. — DDC NR. 264702
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AFOSR 795
HARVARD UNIV, CAMBRIDGE MASS
APPROXIMATION BY BOUNDED ANALYTIC FUNCTIONS,*
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BY WALSH J. L. — DDC NR. 264703
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PROJ/TASK NR. 9769-37658

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MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
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BY ROSENBLITH W. A. — DDC NR. 262150
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PROJ/TASK NR. 9769-37659

AFOSR 797
POLYTECHNIC INST OF BROOKLYN N Y
A REPRESENTATION OF MICROWAVE ONE-PORT CAVITIES MAY 1961
BY PERSKY G. — DDC NR. 258949
MARCUWITZ N. — CONTRACT NR. AF 18(600)-1505
TRUXAL J. G. — PROJ/TASK NR. 4751
WEBER E(PI)

AFOSR 798
MICHIGAN UNIV OF ANN ARBOR
REGULAR CONVERGENCE IN A PARACOMPACT SPACE MAY 1961
BY STODDARD J. H. — DDC NR. 259135
WILDER R. L. — CONTRACT NR. AF 49(638)-774
PROJ/TASK NR. 9783-37727

AFOSR 799
LIEGE UNIV, BELGIUM
MAR 1961 RESEARCH IN HYPERBOLIC DIFFERENTIAL EQUATIONS
BY BUREAU F. J. — DDC NR. 258235
CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-37658

AFOSR 800
HEBREW UNIV JERUSALEM, ISRAEL
DEC 1960 A SUBSPACE OF 11 WHICH IS NOT ISOMORPHIC TO 11
BY LINDENSTRAUSS J — DDC NR. 258236
AGMON S. — CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-37522

AFOSR 801
HEBREW UNIV, JERUSALEM, ISRAEL
FEB 1961 TAUBERIAN CONSTANTS FOR HAUSDORFF TRANSFORMATIONS
BY JAKIMOVSKI A — DDC NR. 258237
AGMON S. — CONTRACT NR. AF 61(052)-187
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BIRMINGHAM UNIV OF ENGLAND
FEB 1961 NEW MICROWAVE STRUCTURAL MEASUREMENTS
OF LINEAR MOLECULES
BY TYLER J. K. — DDC NR.
SHERIDAN J. — CONTRACT NR. AF 61(052)-241
PROJ/TASK NR. 9767

AFOSR 803
LUND UNIV OF SWEDEN
INTRACELLULAR LOCALIZATION OF DOPAMINE IN COW INTESTINE
ACTA PHYSIOL SCAND 50 84-87 1960
BY BERTLER A — DDC NR. 257550
HILLARP N — CONTRACT NR. AF 61(052)-247
ROSENGREN E — PROJ/TASK NR. 9777-37700
CARLSSON A(P.I.)

AFOSR 804
LUND UNIV OF SWEDEN
OCCURRENCE AND LOCALIZATION OF CATECHOL AMINES IN THE HUMAN
BRAIN
ACTA PHYSIOL SCAND 50 1960
BY BERTLER A — DDC NR. 257551
CARLSSON A(PI) — CONTRACT NR. AF 61(052)-247
PROJ/TASK NR. 9777-37700

AFOSR 805
LUND UNIV OF SWEDEN
SOME OBSERVATIONS ON THE SYNTHESIS AND STRAGE OF
CATECHOLAMINES IN THE ADRENALINE CELLS OF THE SUPRARENAL
MEDULLA
ACTA PHYSIOL SCAND 50 124-131 1960
BY BERTLER A — DDC NR. 257552
HILLARP N — CONTRACT NR. AF 61(052)-247
ROSENGREN E — PROJ/TASK NR. 9777-37700
CARLSON A(P.I.)

AFOSR 806
LUND UNIV OF SWEDEN
BOUND AND FREE CATECHOLAMINES IN THE BRAIN
ACTA PHYSIOL SCAND 50 113-118 1960
BY BERTLER A — DDC NR. 257553
HILLARP N A — CONTRACT NR. AF 61(052)-247
ROSENGREN E — PROJ/TASK NR. 9777-37700
CARLSSON A(P.I.)

AFOSR 807
LUND UNIV OF SWEDEN
EFFECT OF RESERPINE ON THE STORAGE OF CATECHOL AMINES IN
BRAIN AND OTHER TISSUES
ACTA PHYSIOL SCAND 50 1960
BY BERTLER A — DDC NR. 257554
CARLSON A(P .I.) — CONTRACT NR. AF 61(052)-247
PROJ/TASK NR. 9777-37700

AFOSR 808
VIENNA UNIV OF AUSTRIA
ONE DIMENSIONAL FIELD THEORY WITH DEGENERATE VACUUM JAN 61
BY BAUMANN K — DDC NR. 258080
SEXL R — CONTRACT NR. AF 61(052)-265
THIRRING W E(P.I.) — PROJ/TASK NR. 9751-37512

AFOSR 809
TECHNISCHE HOCHSCHULE MUNICH, GERM
FEB 1961 METHODS OF HYPERSONIC FLOW THEORY
BY CONTA C V — DDC NR. 258079
SAUER R(PI) — CONTRACT NR. AF 61(052)-377
PROJ/TASK NR. 9781-37712

AFOSR 810
STANFORD RSCH INST MENLO PARK, CALIF
THE STRUCTURING AND ANALYSIS OF COMPLEX SYSTEM PROBLEMS MAY
61
BY SCHAEFFER K. H. — DDC NR. 260063
SHAPERO A. — CONTRACT NR. AF 49(638)-1020
PROJ/TASK NR. 9769-37659

AFOSR 811
STANFORD UNIV CALIF
AN X-RAY DIFFRACTION STUDY OF LIQUID STRUCTURE, FINAL REPOR
JUN 1961
BY PAALMAN H H — DDC NR. 261731
PINGS C J — CONTRACT NR. AF 49(638)-469
PROJ/TASK NR. 9760-37600

AFOSR 814
BATTELLE MEMORIAL INST COLUMBUS O
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BY BULLOFF J. J. — DDC NR.
PEET C. S. — CONTRACT NR. AF 49(638)-495
BEER A. C. (P.I.) — PROJ/TASK NR. 9769-37659

AFOSR 815
SYRACUSE UNIV N Y
MEROMORPHIC FUNCTIONS WITH TWO VALUES DISTRIBUTED ON A
FINITE NUMBER OF PATHS EXTENDING TO INFINITY MAY 1961
BY EDREI A — DDC NR. 267853
CONTRACT NR. AF 49(638)-571
PROJ/TASK NR. 9783-37727

AFOSR 816
NEW YORK UNIV, N Y
ON FAMILIES OF SETS REPRESENTED IN THEORIES JUN 1961
BY PUTNAM H — DDC NR. 260956
DAVIS M — CONTRACT NR. AF 49(638)-777
PROJ/TASK NR. 9769-37658

AFOSR 817
NEW YORK UNIV, N Y
TRIAL AND ERROR PREDICATES AND THE SOLUTION OF A
PROBLEM OF MOSTOWSKIS JUN 1961
BY PUTNAM H — DDC NR.
DAVIS M — CONTRACT NR. AF 49(638)-777
PROJ/TASK NR. 9769-37658

AFOSR 818
NEW YORK UNIV, N Y
ENUMERATION WITHOUT REPETITION JUN U9LU
BY PUTNAM H — DDC NR.
DAVIS M — CONTRACT NR. AF 49(638)-777
PROJ/TASK NR. 9769-37658

AFOSR 819
NEW YORK UNIV, N Y
A MACHINE PROGRAM FOR THEOREM-PROVING JUN 1961
BY DAVIS ? — DDC NR. 269378
LOGEMANN G — CONTRACT NR. AF 49(638)-777
LOVELAND D — PROJ/TASK NR. 9769-37658
DAVIS M

AFOSR 820
NEW YORK UNIV, N Y
EXTENSIONS AND COROLLARIES OF RECENT WORK ON HILBERT
TENTH PROBLEM JUN 1961
BY DAVIS M — DDC NR. 260753
DAVIS M — CONTRACT NR. AF 49(638)-777
PROJ/TASK NR. 9769-37658

AFOSR 821
NEW YORK UNIV, N Y
DIOPHANTINE SETS OVER POLYNOMIAL RINGS JUN 1961
BY DAVIS M — DDC NR. 260751
PUTNAM H — CONTRACT NR. AF 49(638)-777
DAVIS M — PROJ/TASK NR. 9769-37658

AFOSR 822
UTAH UNIV OF SALT LAKE CITY
EFFECTS OF EDGE MATERIAL ON WIDE
ANGLE DIFFRACTION JUN 1961
BY ORME G R — DDC NR. 260251
HARRIS JR F S(PI) — CONTRACT NR. AF 49(638)-799
PROJ/TASK NR. 9768-37650

AFOSR 823
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
AN ELASTIC COLLISION MODEL FOR THE KINETIC
THEORY OF GASES JUN 1961
BY KOGA T — DDC NR. 259381
CHUAN R L(PI) — CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 826
OXFORD UNIV ENGLAND
MILLIMETER WAVE AND SUB-MILLIMETER
WAVE RESEARCH FINAL REPORT
BY MOTZ H
DDC NR. 257574
CONTRACT NR. AF 61<514>-1183
PROJ/TASK NR. 9768-37650

AFOSR 825
REACTION MOTORS DIV. THIOKOL. N J
ELECTRICAL PROPERTIES OF IONIZED FLAMES.
PART I STUDY OF FLAME IONIZATION AUG 1961
BY DIMOCK T. H.
KINEYKO W. R.
WOLFHARD H. G.
DDC NR. 262367
CONTRACT NR. AF 49<638>-305
PROJ/TASK NR. 9752-37521

AFOSR 826
GEORGIA INST OF TECHNOLOGY ATLANTA
MOBILITY AND CLUSTERING OF NEGATIVE IONS AND
AND MASS-SPECTROGRAPHIC STUDY OF ION-MOLECULE REACTIONS
OCCURRING AT THERMAL ENERGIES UNDER GAS
KINETIC CONDITIONS FINAL REPORT
BY MCDANIEL E W
MARTIN D W
DDC NR.
CONTRACT NR. AF 18<600>-1524
PROJ/TASK NR. 97671

AFOSR 827
YALE UNIV NEW HAVEN CONN
B-4. COULOMB DISINTEGRATION OF LI6 BY HEAVY NUCLEI
CONF ON REACTIONS BETWEEN COMPLEX NUCLEI. MAY 1960 GATLINBU
TENN
BY GLUCKSTERN R L
BREIT G
DDC NR.
CONTRACT NR. AF 49<638>-752
PROJ/TASK NR. 9750-37500

AFOSR 828
MICHIGAN UNIV OF ANN ARBOR
KINETICS OF WHISKER GROWTH ON VANADIUM PENTOXIDE 1961
BY LEE W J
PARRAVANO G
DDC NR.
CONTRACT NR. AF 49<638>-493
PROJ/TASK NR. 9762-37621

AFOSR 829
YALE UNIV NEW HAVEN CONN
EXCITON STRUCTURE AND ZEEMAN EFFECTS IN CADMIUM SELENIDE
J APPL PHYS 32 SUPPL 2271-2277 OCT 1961 PUBLAS
SEMICONDUCTING COMPOUNDS W A BENJAMIN INC 1961
BY DIMMOCK J O
WHEELER R G
DDC NR. 258198
CONTRACT NR. AF 49<638>-503
PROJ/TASK NR. 9760-37601

AFOSR 830
YALE UNIV NEW HAVEN CONN
PROPERTIES OF THE 32 POINT GROUPS MAY 1961
BY DIMMOCK J O
WHEELER R G
DDC NR. 258039
CONTRACT NR. AF 49<638>-503
PROJ/TASK NR. 9760-37601

AFOSR 831
HARVARD UNIV CAMBRIDGE. MASS
COLLISION CROSS-SECTIONS OF THE DEUTERON AT HIGH ENERGIES
PROC DURAND CENTENNIAL CONF PP. 233-240
PERGAMON PRESS. 1960
BY GLAUBER R J
DDC NR.
CONTRACT NR. AF 49<638>-589
PROJ/TASK NR. 9750-37500

AFOSR 832
STANFORD UNIV CALIF
MAY 1961 ROTATIONAL SPECTRA IN THE NUCLEAR SHELL MODEL
BY WILLEY R S
SCHIFF L I<PI>
DDC NR. 260929
CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 833
CALIFORNIA UNIV OF. BERKELEY
DIFFERENTIAL FORMS ON REGULAR AFFINE ALGEBRA AUG 1961
BY HOCHSCHILD G.
KOSTANT B.
ROSENBERG A.
DDC NR. 263122
CONTRACT NR. AF 49<638>-79
PROJ/TASK NR. 9752-37522

AFOSR 834
MARYLAND UNIV OF COLLEGE PARK
ON A CLASS OF SINGULAR SOLUTIONS OF THE EULER-POISSON
DARBOUX EQUATION
ARCH RAT MECH AND ANAL 11 50-61 1962
BY SUSCHOWK D R
WEINSTEIN A <P .I.>
DDC NR. 258929
CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

AFOSR 835
RIAS INC BALTIMORE MD
NEW RESULTS IN LINEAR FILTERING AND PREDICTION THEORY
J BASIC ENGIN 99-108 MAR 1961
BY KALMAN R E
BUCY R S
LEFSCHETZ S<P .I .>
DDC NR.
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR 836
PRINCETON UNIV N J
EXPERIMENTAL INVESTIGATION OF THE IGNITION PROCESS OF SOLID
PROPELLANTS IN A PRACTICAL MOTOR CONFIGURATION MAY 1961
BY LANCASTER R. W.
SUMMERFIELD M
DDC NR. 259409
CONTRACT NR. AF 49<638>-960
PROJ/TASK NR. 9751-37510

AFOSR 837
POLYTECHNIC INST OF BROOKLYN N Y
PLANE-STRAIN BENDING OF SANDWICH PLATES MAY 1961
DEVELOPMENTS IN MECHANICS. PLENUM PRESS. N Y 1961
PP<307-324>
BY KOCH J F
Y Y YU<PI>
DDC NR. 265565
CONTRACT NR. AF 49<638>-453
PROJ/TASK NR. 9782-37717

AFOSR 838
POLYTECHNIC INST OF BROOKLYN N Y
DAMPING OF FLEXURAL VIBRATIONS OF SANDWICH PLATES MAY 1961
BY YU Y. Y.
DDC NR. 265271
CONTRACT NR. AF 49<638>-453
PROJ/TASK NR. 9782-37717

AFOSR 839
GEORGIA UNIV OF ATHENS
AN INFORMATION PROCESSING ANALOG OF INTRAPERSONAL
OPERATIONS
NEUROPSYCHIATRY 6 17-29 1960
BY ZIMMER H
DDC NR.
CONTRACT NR. AF 49<638>-1012
PROJ/TASK NR. 9779-37732

AFOSR 842
CATOLICA DE CHILE UNIV SANTIAGO
THE EFFECT OF ANGIOTENSIN II ON WATER. SODIUM AND POTASSIUM
EXCRETION IN RATS EFECTOS DE LA ANGIOTENS:NA II. SOBRE LA
EXCRETION DE AGUA SODIO Y POTASIO EN RATES
REV DE MED Y ALIMENTACION DE SANTIAGO CHILE 10 23-26 1962
BY BARNAFI L
VIAL S
ROSAS R
CROXATTO H
DDC NR.
CONTRACT NR. AF 49<638>-584
PROJ/TASK NR. 9777-37701

AFOSR 843
CATOLICA UNIV DE CHILE SANTIAGO
EFFECT OF OXYTOCIN STRUCTURAL CHANGES ON RAT RENAL
EXCRETION OF NA K AND WATER
AMER J PHYSIOL 202 901-904 MAY 1962
BY ROSAS R
BARNAFI L
PEREDA T
CROXATTO H
DDC NR.
CONTRACT NR. AF 49<638>-584
PROJ/TASK NR. 9777-37701

AFOSR 844
PENNSYLVANIA UNIV OF PHILADELPHIA
PRODUCTION OF DIABETES INSIPIDUS IN HYPOPHYSECTOMIZED RATS
BY HYPOTHALAMIC LESIONS
AMER J PHYSIOL 201 811-814 NOV 1961
BY GALE C C
TALEISNIK S
MCCANN S M
DDC NR.
CONTRACT NR. AF 49<638>-685
PROJ/TASK NR. 9777-37701

AFOSR 845
CALIFORNIA UNIV OF BERKELEY
AIR IONS AND PHYSIOLOGICAL FUNCTION
J GEN PHYSIOL 45 233-241 MAR 1962
BY KRUEGER A P
DDC NR.
CONTRACT NR. AF 49<638>-669
PROJ/TASK NR. 9777-37701

AFOSR 846
CASE INST. OF TECHNOLOGY. CLEVELAND. O
ASYMPTOTIC RELATIVE EFFICIENCY OF MOOD-S AND MASSEY-S TWO
SAMPLE TESTS AGAINST SOME PARAMETRIC ALTERNATIVES MAY 1961
BY CHAKRAVARTI. I. M.
LEONE F. C.
ALANEN J. D.
DDC NR. 259004
CONTRACT NR. AF 49<638>-361
PROJ/TASK NR. 9783-37727

AFOSR 847
NEW MEXICO UNIV OF ALBUQUERQUE
INELASTIC BEHAVIOR OF MATERIAL BY DISLOCATION PHENOMENON
JUN 1962
BY JU F D
DDC NR. 276749
CONTRACT NR. AF 49<638>-993
PROJ/TASK NR. 9782-37718

AFOSR 848
POLYTECHNIC INST OF BROOKLYN N Y
CREEP BENDING OF COMPRESSIBLE PLATES APR 1961
BY PATEL S. A.
KEMPNER J<PI>
DDC NR. 259355
CONTRACT NR. AF 49<638>-302
PROJ/TASK NR. 9782-37717

AFOSR 849
CASE INST OF TECHNOLOGY. CLEVELAND. O.
THE FOLDED NORMAL DISTRIBUTION. III.* ACCURACY OF ESTIMATION
BY MAXIMUM LIKELIHOOD APR 1961
BY JOHNSON N. L.
LEONE F. C. <P.I.>
DDC NR. 259005
CONTRACT NR. AF 49<638>-361
PROJ/TASK NR. 9783-37727

AFOSR 850
UPPSALA UNIV SWEDEN
SMALL-ANGLE SCATTERING APPARATUS WITH A POINT-FOCUSING
MONOCHROMATOR
PROC 2D INTERNAT SY AND X-RAY MICROANALYSIS. STOCKHOLM 1960
PP. 467-471
BY SIEGBAHN K
HAGSTROM S
DDC NR.
CONTRACT NR. AF 61<052>-13
PROJ/TASK NR. 9750-37500

AFOSR 851
NOBEL INST OF PHYSICS. STOCKHOLM SWEDEN
ON NUCLEAR F5/2. P3/2. P1/2 LEVEL SPACINGS AND
TRANSITION PROBABILITIES IN THE LEAD REGION MAY 1961
BY BERGSTROM I
HERRLANDER C. J.
THIEBERGER. P
UHLER J
ASTROM B
DDC NR. 258253
CONTRACT NR. AF 61<052>-118
PROJ/TASK NR. 9750-37500

AFOSR 852
PISA UNIV OF ITALY
LINEARIZED SUPERSONIC FLOW IN AN AXISYMMETRIC JET ISSUING
IN AIR AT REST MAR 1961
BY PISTOLESI E
MARINI M
DDC NR. 258232
CONTRACT NR. AF 61<052>-209
PROJ/TASK NR. 9781-37712

AFOSR 853
VIENNA UNIV OF AUSTRIA
ON FIELD THEORIES WITH DEGENERATE GROUND STATES APR 1961
EDER G
BY BAUMANN K
SEXL R
THIRRING W E
CONTRACT NR. AF 61<052>-265
DDC NR. 258081
PROJ/TASK NR. 9751-37512

AFOSR 854
VIENNA UNIV OF AUSTRIA
ON THE PARITY NONCONSERVATION INDUCED BY THE UNIVERSAL FERM
INTERACTIONS INTO THE PION-NUCLEON VERTEX MAY 1961
BY FLAMM D DDC NR. 264840
FREUND P G O CONTRACT NR. AF 61<052>-265
THIRRING W E<P,I.> PROJ/TASK NR. 9751-37512

AFOSR 855
CAMBRIDGE LANGUAGE RSCH UNIT, KING-S COLLEGE, ENGLAND
MAR 1961 EXPERIMENTAL RESEARCH ON INFORMATION STRUCTURES,
1960
BY BASTIN E. W. DDC NR. 257974
CONTRACT NR. AF 61<052>-331
PROJ/TASK NR. 9769-37659

AFOSR 856
VIENNA UNIV OF AUSTRIA
AN EXAMPLE OF NEGATIVE SIGMA CAPTURE WITH EMISSION OF A
NEGATIVE PION MAR 1961
BY KELLNER G DDC NR. 258082
CZAPEK G CONTRACT NR. AF 61<052>-433
CZAPP R PROJ/TASK NR. 9751-37512
THIRRING W E<P,I.>

AFOSR 857
NAPLES UNIV OF ITALY
UNITARITY CONDITIONS IN TERMS OF PROPAGATION KERNELS
NUOVO CIM SER X 20 1001-1009 JUN 1961
BY CAIANIELLO E R DDC NR. 258256
UMEZAWA H CONTRACT NR. AF 61<052>-434
PREZIOSI B PROJ/TASK NR. 9763-37631

AFOSR 858
NAPLES UNIV OF ITALY
INTERFERENCES AMONG FEYNMAN GRAPHS OF DIFFERENT TOPOLOGY
NUOVO CIM SER X 20 1038-1041 JUN 1961
BY CAIANIELLO E R DDC NR. 258255
SHEN K Y CONTRACT NR. AF 61<052>-434
PROJ/TASK NR. 9763-37631

AFOSR 859
TECHNION RSCH & DEVEL FOUND HAIFA, ISRAEL
BUCKLING OF THIN CIRCULAR CONICAL SHELLS SUBJECTED
TO AXISYMMETRICAL TEMPERATURE DISTRIBUTIONS
AND EXTERNAL PRESSURE, JULY 1961
3RD ANN. CONF ON AVIATION TEL-AVIV, ISRAEL 21 FEB 61
BY SINGER J DDC NR. 273070
CONTRACT NR. AF 61<052>-339
PROJ/TASK NR. 9782-37717

AFOSR 860
VITRO LABS WEST ORANGE, N J
EFFECT OF FLUID TRANSPIRATION THROUGH THE
ANODIC ARC BOUNDARY JUN 1961
BY SILEO F. R. DDC NR. 266847
SHEER C. CONTRACT NR. AF 49<638>-477
COONEY J. A. PROJ/TASK NR. 9781-37713
ROTHACKER D. L.

AFOSR 861
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
RADIATIVE HEAT TRANSFER IN FREE-MOLECULE FLOW
J AEROSP SCI 28 299-307 APR 61
BY ABARBANEL S. DDC NR.
CONTRACT NR. AF 49<638>-207
PROJ/TASK NR. 9781-37713

AFOSR 862
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
TIME DEPENDENT TEMPERATURE DISTRIBUTION IN RADIATING SOLIDS
J MATH & PHYS 39 246-257 DEC 1960
BY ABARBANEL S. S. DDC NR.
CONTRACT NR. AF 49<638>-207
PROJ/TASK NR. 9781-37713

AFOSR 863
MINNESOTA UNIV OF MINNEAPOLIS
OXYMERCURATION OF CIS AND TRANS-2-BUTENE
BY KREEVOY M M DDC NR.
SCHALEGER L L CONTRACT NR. AF 49<638>-711
PROJ/TASK NR. 9763-37630

AFOSR 864
MINNESOTA UNIV OF MINNEAPOLIS
THE EFFECT OF SOLVENT ON RATES OF ACID INDUCED
DEOXYMERCURATION
JACS 83 4205-4207 OCT 1961
BY KREEVOY M M DDC NR.
GILJI J W CONTRACT NR. AF 49<638>-711
KRETCHMER R A PROJ/TASK NR. 9763-37630

AFOSR 865
NEW YORK UNIV NY
DYNAMIC PROGRAMMING AND PONTRYAGIN-S MAXIMUM PRINCIPLE
JUN 1961
PROC DYN PROGRAMMING WORKSHOP JOINT AUTOMATIC CONTROL CONF,
BOULDER, COLO JUNE 1961 <15 PAGES>
BY CHANG S S L DDC NR. 269565
RAGAZINI J R<P,I.> CONTRACT NR. AF 49<638>-586
PROJ/TASK NR. 9768-37650

AFOSR 866
CHICAGO UNIV OF ILL
THE OBSERVED OUTER BELT ELECTRON DISTRIBUTION
AND THE NEUTRON DECAY HYPOTHESIS
J GEOPHYS RSCH 66,*2313-2314,* AUG 1961
BY HESS W N DDC NR.
KILLEEN J CONTRACT NR. AF 18<600>-666
FAN C Y PROJ/TASK NR. 9774-37665
MEYER P
SIMPSON J A

AFOSR 867
MICHIGAN STATE UNIV EAST LANSING
PROPERTIES OF LOW-LYING NUCLEAR ENERGY
LEVELS FINAL REPORT
BY BEARD G. B. DDC NR. 263265
KELLY W. H. CONTRACT NR. AF 49<638>-10
PROJ/TASK NR. 9750-37500

AFOSR 868
MICHIGAN STATE UNIV EAST LANSING
NUCLEAR RESONANCE FLUORESCENCE MEASUREMENTS ON THE
KEV LEVEL IN FE 56
BY BEARD G. B. DDC NR. 263310
KELLY W. H. CONTRACT NR. AF 49<638>-10
PROJ/TASK NR. 9750-37500

AFOSR 869
MICHIGAN STATE UNIV EAST LANSING
SELF SCINTILLATIONS STUDY OF THE BETA DECAY OF RB 87
BY BEARD, G. B. DDC NR. 263311
KELLY, W. H. CONTRACT NR. AF 49<638>-10
PROJ/TASK NR. 9750-37500

AFOSR 870
MICHIGAN STATE UNIV EAST LANSING
TEMPERATURE DEPENDENT LUMINESCENCE OF CAWO4 AND CDWO4
BY BEARD, G. B. DDC NR. 263312
KELLY, W. H. CONTRACT NR. AF 49<638>-10
MALLORY, M. L. PROJ/TASK NR. 9750-37500

AFOSR 871
CALIFORNIA INST OF TECHNOLOGY, PASADENA
AN ABUNDANCE ANALYSIS OF 3 CENTAURI A
ASTROPHYS J 134 783-796 NOV 1961
BY JUGAKU, J. DDC NR.
SARGENT, W. L. W. CONTRACT NR. AF 49<638>-21
GREENSTEIN, J. L. PROJ/TASK NR. 9774-37663

AFOSR 872
GENERAL ELECTRIC CO CINCINNATI, O.
HIGH TEMPERATURE HEAT TRANSFER TO CYLINDERS FINAL REPORT
MARCH 1 1959 TO MAY 29 1961
BY CASSIDY J. F. DDC NR. 260372
GHAI M. L. CONTRACT NR. AF 49<638>-243
REID J. W. PROJ/TASK NR. 9781-37713

AFOSR 875
ROCHESTER UNIV OF NY
TH INFLUENCE OF OSOTOPIC COMPOSITION ON THE MAXIMUM IN THE
COSMIC RAY ENERGY SPECTRA MAY 1961
BY APPA RAO, M. V. K. DDC NR.
KAPLON, M. F. CONTRACT NR. AF 49<638>-303
PROJ/TASK NR. 9774-37665

AFOSR 876
CALIFORNIA UNIV OF BERKELEY
IMAGINARY PART OF THE OPTICAL MODEL POTENITAL IN NUCLEAR
MATTER AUG 60
NUC PHYS 21 456-461 1960
BY SAWICKI, J. DDC NR. 255438
MOSZKOWSKI, S. A. CONTRACT NR. AF 49<638>-327
KARPLUS, R.<P,I.> PROJ/TASK NR. 9750-37500

AFOSR 877
MARYLAND UNIV OF COLLEGE PARK
GEOMAGNETICALLY TRAPPED ELECTRONS FROM COSMIC RAY ALBEDO
NEUTRONS, MAY 1961
BY LENCHEK, A. M. DDC NR. 258738
SINGER, S. F. CONTRACT NR. AF 49<638>-530
WENTWORTH, R. C. PROJ/TASK NR. 9774-37665

AFOSR 878
STANFORD UNIV CALIF
INSTABILITY OF ELECTRONS DRIFTING THROUGH IONS ACROSS A
MAGNETIC FIELD
J NUC ENERGY PT C PLASMA PHYS 4 111-117 1962
BY BUNEMAN, O. DDC NR. 261898
SIEGMAN A R<PI> CONTRACT NR. AF 49<638>-660
PROJ/TASK NR. 9768-37650

AFOSR 879
PURDUE UNIV LAFAYETTE IND
S-WAVE PION NUCLEON SCATTERING
PHYS REV 123 1459 1464 AUG 1961
BY URETSKY, J. L. DDC NR.
KING R W<PI> CONTRACT NR. AF 49<638>-767
PROJ/TASK NR. 9750-37500

AFOSR 880
SYRACUSE UNIV NY
NATURE OF THE RESONANCE IN THE STATIC PION-NUCLEON SCATTERI
ONE-MESON APPROXIMATION
NUC PHYS 30 462-467 1962
BY BARUT A O DDC NR.
RUEI K H CONTRACT NR. AF 49<638>-801
PROJ/TASK NR. 9751-37512

AFOSR 881
IST NAZIONALE DI OTTICA ITALY
UNUSUAL FACTORS INFLUENCING THE ELECTROETINOGRAPHIC
INTENSITY FUNCTION
ATTI FONDAZ G RONCHI 15 503-510 SEP-OCT 1960
BY MORI F DDC NR. 258169
RONCHI L CONTRACT NR. AF 61<052>-80
TORALDO DI FRANCIA G PROJ/TASK NR. 9777-37701

AFOSR 882
IST NAZIONALE DI OTTICA, ITALY
NEGATIVE ELECTRICAL OFF-RESPONSES OF THE JUMAN RETINA, I.
BLUE STIMULATION
ATTI DELLA FONDAZIONE GIORGIO RONCHI, 15 515-525 SEP OCT 60
BY RONCHI L DDC NR. 258189
TORALDO DI FRANCIA G CONTRACT NR. AF 61<052>-80
PROJ/TASK NR. 9777-37701

AFOSR 883
OXFORD UNIV OF ENGLAND
THE METABOLISM OF C2 COMPOUNDS IN MICRO-ORGANISMS, 4.
SYNTHESIS OF CELL MATERIALS FROM ACETATE BY ASPERGILLUS NIG
BIOCHEM J 77 430-438 1960
BY COLLINS J F DDC NR. 258183
KORNBERG H L CONTRACT NR. AF 61<514>-1180
KREBS H A<P,I.> PROJ/TASK NR. 9777-37704

AFOSR 884
OXFORD UNIV OF ENGLAND
CARBON ASSIMILATION BY PSEUDOMONAS OXALATICUS <OXI> 5. PURIFICATION AND PROPERTIES OF GLYOXYLIC DEHYDROGENASE
BIOCHEM J 78 611-615 1961
BY QUAYLE J R — DDC NR. 258184
TAYLOR G A — CONTRACT NR. AF 61<052>-180
KREBS H A<P.I.> — PROJ/TASK NR. 9777-37704

AFOSR 885
GENERAL ELECTRIC CO., PHILADELPHIA PA
PROC OF THE FIRST INTERNATIONAL SYMPOSIUM ON ANALYTICAL ASTRODYNAMICS, 27-29 JUNE 1961, UCLA, LA, CALIF
BY SZEBEHELY V. G. — DDC NR. 258659
CONTRACT NR. AF 49<638>-814
PROJ/TASK NR. 9783-37726

AFOSR 886
HEBREW UNIV JERUSALEM ISRAEL
INEQUALITIES FOR SIGN FREQUENCIES OF LATEN ROOTS MAY 1961
BY GUTTMAN L — DDC NR. 262036
CONTRACT NR. AF 61<052>-121
PROJ/TASK NR. 9778-33707

AFOSR 887
PENNSYLVANIA UNIV OF PHILADELPHIA
REVIEW OF TWO REPORTS ON THE CRANFIELD INDEXING EXPERIMENT J DOC 17 252-261 DEC 61
BY O-CONNOR J. — DDC NR.
CONTRACT NR. NONR 551<35>
PROJ/TASK NR. 9769-37659

AFOSR 888
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
ON MAXIMAL SOLUTIONS OF THE CAUCHY INITIAL VALUE PROBLEM <FOR INTEGRAL MANIFOLDS OF NON-INVOLUTIVE DISTRIBUTIONS> JUN 1961
BY DOMBROWSKI, P. L. — DDC NR. 260745
MARTIN W T<PI> — CONTRACT NR. AF 49<638>-42
PROJ/TASK NR. 9769-37658

AFOSR 890
STANFORD UNIV CALIF
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF FLOW OVER SINGLE AND DOUBLE BACKWARD FACING STEPS JUN 1961
BY ABBOTT, D. E. — DDC NR. 262145
KLINE, S. J. — CONTRACT NR. AF 49<638>-201
PROJ/TASK NR. 9781-37712

AFOSR 891
NORTH CAROLINA UNIV OF CHAPEL HILL
ON A SPECIAL CLASS OF RECURRENT EVENTS JUN 1961
BY SCHUTZENBERGER, M . PDDC NR. 260711
BOSE, R. C.<P.I.> PCONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR 892
NORTH CAROLINA UNIV OF CHAPEL HILL
SOME PROPERTIES OF THE LEAST SQUARES ESTIMATOR IN REGRESSION ANALYISIS WHEN THE INDEPENDENT VARIABLES ARE STOCHASTIC JUN 1961
BY BHATTACHARYA, P. K. — DDC NR. 260713
BOSE, R. C.<P.I.> — CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR 893
NORTH CAROLINA UNIV OF CHAPEL HILL
A REMARK OF FINITE TRANSDUCERS JUN 1961
BY SCHUTZENBERGER, M. P.DDC NR. 260714
BOSE, R. C.<P.I.> — CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR 894
NORTH CAROLINA UNIV OF CHAPEL HILL
EQUALITY OF TWO DISPERSION MATRICES AGAINST ALTERNATIVES OF INTERMEDIATE SPECIFICITY MAR 1961
BY ROY, S. N. — DDC NR.
GNANADESIKAN, R. — CONTRACT NR. AF 49<638>-213
BOSE, R. C. <P.I.> — PROJ/TASK NR. 9769-37658

AFOSR 895
NORTH CAROLINA UNIV OF CHAPEL HILL
INVESTIGATIONS ON FACTORIAL DESIGN APR 1961
BY BOSE R C — DDC NR. 260716
PATEL, M. S. — CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR 897
NORTH CAROLINA UNIV OF CHAPEL HILL
AN ALGORITHM FOR A MINIMUM COVER OF AN ABSTRACT COMPLEX FEB 1961
BY RAY-CHAUDHURI, D. K. DDC NR. 260715
BOSE, R. C. <P.I.> — CONTRACT NR. AF 49 <638>-213
PROJ/TASK NR. 9769-37658

AFOSR 898
NORTH CAROLINA UNIV OF CHAPEL HILL
A CODING PROBLEM ARISING IN THE TRANSMISSION OF NUMERICAL DATA APR 1961
BY BOSE, R. C. — DDC NR. 260708
CHAKRAVARTI, I< M. — CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR 899
CORNELL UNIV ITHACA, NY
A THEORETICAL APPROACH TO A STUDY OF STALL-FLUTTER PROBLEMS JUN 1961
BY MERITO J. — DDC NR.
SEARS W. R. <P.I.> — CONTRACT NR. AF 49<638>-544
PROJ/TASK NR.

AFOSR 900
COLUMBIA UNIV NY
SPIN RELAXATION IN OPTICAL PUMPING
J CHEM PHYS 36 135-140 JAN 1962 2D INTERNATIONAL CONFERENCE ON THE PHYSICS OF ELECTRONIC AND ATOMIC COLLISIONS U COL JUN 1961 PUBL WA BENJAMIN INC 1961 PP 169-171
BY BERNHEIM R A — DDC NR.
BERSOHN R — CONTRACT NR. AF 49<638>-785
PROJ/TASK NR. 9760-37600

AFOSR 901
NORTHWESTERN UNIV, EVANSTON, ILL
AN EXTENSION OF THE FUNCTIONAL EQUATIONS OF SKITOVICH CHARACTERIZING THE MULTIVARIATE NORMAL DISTRIBUTION JUL 61
BY GHURYE, S. G. — DDC NR. 260507
OLKIN, I. — CONTRACT NR. AF 49<638>-877
DWASS, M. <P.I.> — PROJ/TASK NR. 9752-37522

AFOSR 902
NORTHWESTERN UNIV, EVANSTON, ILL
A STARLIKE INFINITE PRODUCT JUN 1961
BY MERKES, E. P. — DDC NR. 259509
SCOTT, W. T. — CONTRACT NR. AF 49<638>-888
PROJ/TASK NR. 9752-37522

AFOSR 903
NORTHWESTERN UNIV, EVANSTON, ILL
CONTINUED FRACTION SOLUTIONS OF THE RICCATI EQUATION JUN 61
J MATH ANAL & APPL 4 309-327 APR 1962
BY MERKES, E. P. — DDC NR. 259502
SCOTT, W. T. — CONTRACT NR. AF 49<638>-888
PROJ/TASK NR. 9752-37522

AFOSR 904
NEW MEXICO UNIV OF ALBUQUERQUE
STRESS DISTRIBUTION DUE TO A LOGARITHMIC SPIRAL DISLOCATON JAN 1962
BY JU F D — DDC NR. 272134
CONTRACT NR. AF 49<638>-993
PROJ/TASK NR. 9782-37718

AFOSR 905
CHICAGO UNIV OF, ILL
ALGEBRA OF ADDITIVE RELATIONS MAY 1961
BY MACLANE S. — DDC NR. 261076
CONTRACT NR. AF 18<600>-1383
PROJ/TASK NR. 9769-37658

AFOSR 910
CALIFORNIA UNIV OF, BERKELEY
1961 ON FUNCTIONAL CUP-PRODUCTS AND THE TRANSGRESSION OPERATOR
ARCH FUR MATH 12 435-444 1961
BY THOMAS E. — DDC NR. 259907
KOSTANT B. <P.I.> — CONTRACT NR. AF 49<638>-79
PROJ/TASK NR. 9752-37522

AFOSR 911
CHICAGO UNIV OF, ILL
ON TRANSITIVE SIMPLE GROUPS O F DEGREE 2P, IN WHICH THE NORMALIZER OF A SYLOW P-SUBGROUP HAX ORDER 2- JUN 1961
BY ITO N. — DDC NR. 261075
AEBERT A. A. <P.I.> — CONTRACT NR. AF 49<638>-858
PROJ/TASK NR. 9752-37522

AFOSR 912
NORTH CAROLINA UNIV OF CHAPEL HILL
ON THE EQUATION A 26N-B26MC26P IN A FREE GROUP 290
BY SCHUTZENBERGER, M. P.DDC NR. 260710
BOSE, R. C. <P.I.> — CONTRACT NR. AF 49 <638>-213
PROJ/TASK NR. 9769-37658

AFOSR 913
AEROCHEM RSCH LABORATORIES, INC, PRINCETON, N.J.
DIFFUSION AND CHEMICAL SURFACE CATALYSIS IN A LOW-TEMPERATU PLASMAJET THE DETERMINATION OF ATOM CONCENTRATIONS IN NONEQUILIBRIUM SUPERSONIC STREAMS OF ACTIVATED NITROGEN
BY ROSNER, D. E. — DDC NR.
CALCATE H F<PI> — CONTRACT NR. AF 49<638>-300
PROJ/TASK NR. 9752-37521

AFOSR 915
STANFORD RESEARCH INST MENLO PARK, CALIF
DISTURBANCES AT THE SURFACE OF BURNING SOLID PROPELLANTS AP 1961
BY AGOSTON, G. A. — DDC NR. 260407
CONTRACT NR. AF 49<638>-565
PROJ/TASK NR. 4859-02

AFOSR 916
ROYAL COLLEGE OF SCI AND TECHNOLOGY, GLASGOW SCOTLAND
UNSYMMETRICAL FLOW PATTERNS PAST A FINITE WEDGE PROFILE IN A HIGH SUBSONIC STREAM
BY HELLIWELL, J. B. — DDC NR. 264001
PACK, D. C. <O.I.> — CONTRACT NR. AF 61<052>-407
PROJ/TASK NR. 9783-37725

AFOSR 917
ROYAL COLLEGE OF SCIENCE AND TECHNOLOGY SCOTLAND
FURTHER STUDIES ON THE HODOGRAPH METHOD IN GASDYNAMICS, FINAL REPROT
BY PACK, D. C. — DDC NR. 264002
CONTRACT NR. AF 61<052>-407
PROJ/TASK NR. 9783-37725

AFOSR 918
HEBREW UNIV JERUSALEM ISRAEL
OPTICAL SPECTRA OF PARAMAGNETIC SOLIDS
ADV IN QUANTUM ELECTRONICS PROC 2D INT CONF QUANTUM ELECTRONICS BERKELEY CALIF MAR 1961 COLUMBIA UNIV PRESS NY 1961 PP 138-154
BY LOW W — DDC NR.
CONTRACT NR. AF 61<052>-59
PROJ/TASK NR. 9763-37631

AFOSR 919
STANFORD UNIV CALIF
COHERENT PHOTOPRODUCTION OF PI FROM DEUTERIUM
PHYS REV 125 1414-1421 FEB 1962
BY HADJIOANNOU F T — DDC NR.
SCHIFF L I<PI> — CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-37500

AFOSR 920
STANFORD UNIV CALIF
THEORETICAL CONSIDERATIONS CONCERNING QUANTIZED MAGNETIC FLUX IN SUPERCONDUCTORS JUN 1961
BY BYERS, N. — DDC NR. 260931
YANG, C. N. — CONTRACT NR. AF 49<638>-388
SCHIFF L I<PI> — PROJ/TASK NR. 9750-37500

AFOSR 921
CONVAIR SAN DIEGO, CALIF
PART I MICROWAVE ENERGY TRANSFER MECHANISMS <U> SECRET RPT
R AKFRIB R PAPPERT S RAND SEE OVER FOR TITLES JUN 1961
I ATMOSPHERIC BREAKDOWN <U> UNCLASSIFIED REPORT AD 261519
IIAPPROXIMATE CONTINUOUS OPACITY CALCULATIONS FOR POLYELEC
ATOMS AT HIGH TEMPERATURES UN CLASSIFIED REPROT
IIINON-LINEAR SOLUTIONS OF FOKKER-PLANCK EQUATIONS
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RESONANCE <U> SECRET RPT I COUPLING AND ENERGY TRANSFER OF
RADIO FREQUENCY ENERGY TO A CONDUCTING SURFACE <U> SECRET
REPORT, VI CORRELATION FUNCTIONS IN A PLASMA <UNCLASSIFIED
REPORT>
BY AKERIB, R. DDC NR.
PAPPERT, R. CONTRACT NR. AF 49(638)-855
RAND, S. PROJ/TASK NR. 9768-37650

AFOSR 923
LABORATOIRE DE PHYSIQUE DES SOLIDES FAC DES CI. DE PARIS
ORSAY, FRANCE
STUDIES OF DISLOCATIONS IN METALS BY X-RAY METHODS I. SCATT
CROSS-SECTION OF DISLOCATIONS. II. DIFFRACTION IMAGES OF
MULTIDOMAINS IN BA TI 03 CRYSTALS MAR 61
BY TAUPIN D DDC NR. 262016
NOUSQUET C CONTRACT NR. AF 61(052)-310
LAMBERT M PROJ/TASK NR. 9763-37631
GUINIER A

AFOSR 924
ZARAGOZA, UNIV OF SPAIN
1961 APPROXIMATE CONSTANCY OF ADIABATIC INVARINTS IN PLASMA
PHYSICS
BY GARRIDO, L. M. DDC NR. 262957
GASCON, F. CONTRACT NR. AF 61(052)-438
PROJ/TASK NR. 9751-37511

AFOSR 925
HERNER AND COMPANY
1961 BASIC RESEARCH RESUMES, 1960, A SURVEY OF BASIC RESEARC
ACTIVITIES IN THE OFFICE OF AEROSPACE RESEARCH
BY HERNER S. DDC NR. 268900
HERNER M. CONTRACT NR. AF 49(638)-903
PROJ/TASK NR. 9769-37659

AFOSR 926
JOHNS HOPKINS UNIV BALTIMORE MD
QUADRUPOLE COUPPLING CONSTANTS IN TRIMETHOXYBOROXINE AND
N-TRIMETHYLBORAZOLE
J CHEM PHYS 35 381-382 JUL 1961
BY KOSKI W S DDC NR. 259310
RING M A CONTRACT NR. AF 18(600)-1526
PROJ/TASK NR. 9760-37600

AFOSR 927
JOHNS HOPKINS UNIV BALTIMORE MD
THE ISOTOPIC EXCHANGE REACTIONS OF B2H6 WITH D T, H T, AND
H D,
JACS 83 3037-3040 JUL 1961
BY KOSKI W S DDC NR. 259311
RIGDEN J S CONTRACT NR. AF 18(600)-1526
PROJ/TASK NR. 9760-37600

AFOSR 928
JOHNS HOPKINS UNIV BALTIMORE MD
CRYSTAL STURCTURE OF BORON TRIIODIDE
INORG CHEM 1 109-111 FEB 1962
BY RING M A DDC NR. 259312
DONNAY J D H CONTRACT NR. AF 18(600)-1526
KOSKI W S PROJ/TASK NR. 9760-37600

AFOSR 929
STANFORD UNIV CALIF
PROTON RESONANCE SHIFTS AND ELECTRON SUSCEPTIBILITIES IN
1, 3-BISDIPHENYLENE 2-PHENYL ALLYL SEP 1961
J CHEM PHYS <ACCEPTED>
BY ANDERSON, H. E. DDC NR. 261506
RHODES, R. S. CONTRACT NR. AF 18(603)-131
PAKE, G. E. PROJ/TASK NR. 9751-37511

AFOSR 930
PURDUE UNIV LAFAYETTE IND
ON THE SPECTRA OF UNITARY HALF-SCATTERING OPERATORS
Q APPL MATH 20 85-88 APR 1962
BY PUTNAM, C. R. DDC NR.
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9752-37522

AFOSR 931
NORTH CAROLINA, UNIV OF CHAPEL HILL
JUN 1961 APPLICATION OF THE GEOMETRY OF QUADRICS FOR
CONSTRUCTING PBIB DESIGNS
BY RAY-CHAUDHURI, D. K. DDC NR.
BOSE, R. C. <P.I.> CONTRACT NR. AF 49(638)-213
PROJ/TASK NR. 9769-37658

AFOSR 932
POLYTECHNIC INST OF BROOKLYN NY
APPLICATION OF BIOT-S VARIATIONAL PRINCIPLE IN HEAT
CONDUCTION MAY 1961
BY LARDNER, T. J. DDC NR. 259696
POHLE, F. V. CONTRACT NR. AF 49(638)-302
KEMPNER J<PI> PROJ/TASK NR. 9782-37717

AFOSR 933
NORTH CAROLINA UNIV OF CHAPEL HILL
A MINIMUM AVERAGE RISK SOLUTION FOR THE PROBLEM OF CHOOSING
THE LARGEST MEAN APR 1961 NR 280
BY BALND, R. P. DDC NR. 260717
DUNCAN D B<PI> CONTRACT NR. AF 49(638)-929
NICHOLSON G E<PI> PROJ/TASK NR. 9783-37727

AFOSR 934
PENNSYLVANIA UNIV OF PHILADELPHIA
SOME BASIC TERMINOLOGY CONNECTED WITH MECHANICAL LANGUAGES
AND THEIR PROCESSORS
COMM ASSOC COMP MACH 4,M336-339,* AUG 1961
BY GORN S. DDC NR.
CONTRACT NR. AF 49(638)-951
PROJ/TASK NR. 9769-37659

AFOSR 935
MINNESOTA UNIV OF MINNEAPOLIS
CLUSTER SETS OF PSEUDO-MEROMORPHIC FUNCTIONS JUN 1961
BY STORVICK D A DDC NR.
PROJ/TASK NR. 9752-37522

AFOSR 936
CHICAGO UNIV OF, ILL
ON A CLASS OF DOUBLY TRANSITIVE PERMUTATION GROUPS JUN 1961
BY ITO N. DDC NR. 261074
ALBERT A. A. <P.I.> CONTRACT NR. AF 49(638)-858
PROJ/TASK NR. 9752-37522

AFOSR 937
THOMPSON-RAMO-WOOLRIDGE CORP, LOS ANGELES, CALIF
CESIUM ION BEAM NEUTRALIZATION IN VEHICULAR SIMULATION JUN
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PRES JOINT MEETING NAT IAS-ARS LA, CALIF JUN 1961
BY SELLEN, J. M. DDC NR.
KEMP, R. F. CONTRACT NR. AF 49(638)-886
LANGMUIR, D. <P.I.> PROJ/TASK NR. 9752-37521

AFOSR 939
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
ON PLANE LINEAR MAGNETOHYDRODYNAMIC WAVES
J FLUID MECH 13,*272-288,* 1962
BY TRILLING L. DDC NR.
CONTRACT NR. AF 49(638)-207
PROJ/TASK NR. 9781-37713

AFOSR 940
MARYLAND UNIV OF COLLEGE PARK
BOUNDS FOR DERIVATIVES IN THE DIRICHLET PROBLEM FOR POISSON
EQUATION MAY 1961
J SOC INDUS APPL MATH 10 370-380 JUN 1962
BY BRAMBLE J H DDC NR. 258908
PAYNE L E CONTRACT NR. AF 49(638)-228
WEINSTEIN A<P.I.> PROJ/TASK NR. 9783-37727

AFOSR 942
PRINCETON UNIV, NY
VARIATIONAL PRINCIPLES IN PLASMA DYNAMICS
PHYS FLUIDS 4 1376-1378 NOV 1961
BY SU, CHAN SING DDC NR.
CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-37712

AFOSR 945
AEROJET-GENERAL CORP, AZUSA, CALIF
APR 1961 CHARGED COLLOID PROPULSION SYSTEM QUARTERLY REPORT
NR 3 JAN -MAR 1961
BY EDMONSON, R< B. DDC NR. 257723
MILES, W. C. CONTRACT NR. AF 49(638)-656
PROJ/TASK NR. 9752-37521

AFOSR 946
NORTH CAROLINA UNIV OF CHAPEL HILL
A STUDY OF DISLOCATIONS IN SILVER CHLORIDE JUN 1961
BY MILLER M G DDC NR. 259676
SLIFKIN L M<P.I.> CONTRACT NR. AF 49 (638)-865
PROJ/TASK NR. 9760-37601

AFOSR 947
FRANKLIN INST PHILADELPHIA, PA
A NOTE ON THE EFFECTIVE CONSTANTS OF COMPOSITE MATHERIALS
J FRANKLIN INST 271 423 1961
BY HASHIN Z DDC NR.
SHTRIKMAN S CONTRACT NR. AF 49 (638)-159
BERKOWITZ A E<P .I.> PROJ/TASK NR. 9760-37601

AFOSR 948
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE MASS
INTERBAND FARADAY ROTATION IN III-V COMPOUNDS
APPL PHYS 32 SUPPL 2 32 SUPPL 2128-2131 OCT 1961 PUBL AS
SEMICONDUCTING COMPOUNDS IN COOP W/AMER INST PHYS WA
BENJAMIN INC 1961
BY LAX B DDC NR.
NISHINA Y CONTRACT NR. AF 19(604)-7344
BITTER F<P.I.> PROJ/TASK NR. 9764-37641

AFOSR 949
MICHIGAN UNIV OF ANN ARBOR
STUDY PROGRAM FOR A MAGNETIC TIMER UTILIZING THE PROPAGATIO
OF DOMAIN WALLS JUL 1961
BY RAYMOND W W DDC NR. 259998
GRIMES D M CONTRACT NR. AF 49(638)-986
PROJ/TASK NR. 9760-37601

AFOSR 950
ROCHESTER UNIV OF NY
BAND STRUCTURE OF SOLID ARGON
PHYS REV 124 652-657 NOV 1961
BY KNOX R S DDC NR. 259698
BASSANI F CONTRACT NR. AF 49(638)-432
DEXTER D L<P .I.> PROJ/TASK NR. 9760-37601

AFOSR 952
NORTHWESTERN UNIV EVANSTON ILL
RESISTIVITY CHANGES DUE TO FORMATION OF G. P. ZONES <CLUSTE
RICH IN SOLUTE>
NATURE 191 63-64 JUL 1961
BY HERMAN H DDC NR.
COHEN J B CONTRACT NR. AF 49(638)-524
FINE M E<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 953
ILLINOIS UNIV URBANA
A SOLUTION TO THE FRENKEL-KONTOROVA DISLOCATION MODEL
J APPL PHYS 33 60-62 JAN 1962
BY HOBART R DDC NR.
CELLI V CONTRACT NR. AF 49(638)-819
THOMSON R M <P.I.> PROJ/TASK NR. 9760-37601

AFOSR 954
SAINT LOUIS UNIV MO
THEORETICAL STUDY OF PROBLEMS CONNECTED WITH THE SOLID
STATE RASER JUL 1961
BY NARCHAL M L DDC NR. 260779
BARKER W. A.<P.I.> CONTRACT NR. AF 49(638)-612
PROJ/TASK NR. 9763-37631

AFOSR 955
BATTELLE MEMORIAL INST COLUMBUS O
GALVANOMAGNETIC EFFECTS IN III-V COMPOUND SEMICONDUCTORS
J APPL PHYS 32 SUPPL 2107-2112 OCT 1961 PUBL AS SEMICONDUCT
COMPOUNDS IN COOPERATION W/AMER INST OF PHYS W A
BENJAMIN INC 1961
BY BEER A C — DDC NR.
KAHN D — CONTRACT NR. AF 49(638)-959
PROJ/TASK NR. 9762-37621

AFOSR 956
BATTELLE MEMORIAL INST COLUMBUS O
EVIDENCE FOR A SELENIUM DONOR LEVEL ABOVE THE PRINCIPAL
CONDUCTION BAND EDGE IN GASB
J APPL PHYS 33 26-28 JAN 1962
BY BATE R T — DDC NR.
KAHN D(P.I.) — CONTRACT NR. AF 49(638)-959
PROJ/TASK NR. 9762-37621

AFOSR 957
OHIO STATE UNIV COLUMBUS
ELECTRON ENERGY BANDS OF ONE-DIMENSIONAL RANDOM ALLOYS
PHY REV 122 390-396 APR 1961
BY FAULKNER J S — DDC NR. 259777
KORRINGA J — CONTRACT NR. AF 49(638)-264
PROJ/TASK NR. 9760-37601

AFOSR 959
WAYNE STATE UNIV DETROIT MICH
METAL-TO-GLASS VACUUM SEAL FOR LOW TEMPERATURES
REV SCI INSTR JUL 1961 32 857-858
BY HORWITZ N H — DDC NR.
BOHM H V — CONTRACT NR. AF 49(638)-832
PROJ/TASK NR. 9760-37601

AFOSR 960
WESTINGHOUSE ELEC CORP PITTSBURG PA
FUNDAMENTAL RESEARCH ON THE STUDY OF MECHANISMS OF
DENDRITIC CRYSTAL GROWTH IN THE ZINCBLENDE LATTICE FINAL
REPORT 1961
BY LONGINI R L — DDC NR. 262598
BENNETT A I — CONTRACT NR. AF 49(638)-599
PROJ/TASK NR. 9761-37621

AFOSR 961
CALIFORNIA UNIV OF BERKELEY
THE EFFECT OF PLASTIC DEFORMATION ON SELF-DIFFUSION IN NICK
FINAL REPORT APR 1961
BY WAZZAN A R — DDC NR. 257188
MOTE J — CONTRACT NR. AF 49(638)-58
DORN J E — PROJ/TASK NR. 9760-37601

AFOSR 962
NORTHWESTERN UNIV EVANSTON ILL
SUINIER-PRESTON ZONES IN AN ALUMINUM SILVER ALLOY
ACTA METALL 9 250-255 MAR 1961
BY FREISE E J — DDC NR.
KELLY A — CONTRACT NR. AF 49(638)-524
NICHOLSON R B — PROJ/TASK NR. 9760-37601
FINE M E(P.I.)

AFOSR 963
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN COPPER
PHY REV 124 359-372 OCT 1961
BY KIP A F — DDC NR.
LANGENBERG D N — CONTRACT NR. AF 49(638)-600
MOORE T W — PROJ/TASK NR. 9760-37601

AFOSR 964
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH DIRECTORATE OF
CHEMICAL SCIENCES
CHEMISTRY PROGRAM REVIEW FY 60 APR 1961
BY ELLIOTT D W — DDC NR.
HORNEY A G — CONTRACT NR.
PROJ/TASK NR.

AFOSR 965
WASHINGTON UNIV ST LOUIS MO
POLARIZATION IN NUCLEAR SCATTERING JUL 1961
BY ALLAS R G — DDC NR. 260595
SHULL F B(P.I.) — CONTRACT NR. AF 49(638)-843
POND I A(PI) — PROJ/TASK NR. 9751-37912

AFOSR 966
POLYTECHNIC INST OF BROOKLYN NY
ON TURBULENT FREE MIXING OF PARALLEL STREAMS OF TWO
DIFFERENT GASES JUN 1961
BY UCHIDA, S. — DDC NR. 260302
FERRI A(PI) — CONTRACT NR. AF 49(638)-217
PROJ/TASK NR. 9781

AFOSR 967
MARYLAND UNIV OF COLLEGE PARK
BOUNDS ON APSIDAL ANGLES JUL 1961
BY METCALF F T — DDC NR. 259978
WEINSTEIN A(P.I.) — CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR 968
NEW YORK UNIV NY
HYPERFINE STRUCTURE OF THE ROATIONAL SPECTRUM OF HDO
J CHEM PHYS 36 1473-1480 MAR 1962
BY TREACY, E. B. — DDC NR.
BEERS, Y. — CONTRACT NR. AF 49 (638)-259
PROJ/TASK NR. 9760-37650

AFOSR 970
POMONA COLLEGE CLAREMONT, CALIF
ULTRASOFT X-RAY MICROSCOPY MAY 1961
ENCYCLOPEDIA O F MICROSCOPY, 1961 REINHOLD NY
BY HERKE, B. L. — DDC NR. 258678
CONTRACT NR. AF 49(638)-394
PROJ/TASK NR. 9751-37511

AFOSR 971
FLORIDA STATE UNIV TALLAHASSEE
ANGULAR DISTRIBUTION OF Y RADIATION FOLLOWING DIRECT NUCLEA
REACTION
PHYS. REV. 127 1693-1697 SEP 1962
BY NOMOTO, M. — DDC NR.
TEMMER G M(PI) — CONTRACT NR. AF 49(638)-427
PROJ/TASK NR. 9750-37500

AFOSR 972
SYRACUSE UNIV NY
GAUGE-INVARIANT VARIABLES IN GENERAL RELATIVITY
PHYS REV 124 274-278 OCT 1961
BY BERGMANN, P. G. — DDC NR. 261030
CONTRACT NR. 49(638)-461
PROJ/TASK NR. 9751-37512

AFOSR 974
YALE UNIV NEW HAVEN CONN
KINETICS OF THE THERMAL DECOMPOSITION OF METHYLENECLOBUTANE
J PHYS CHEM 65 2170-2173 DEC 1961
BY CHESICK J P — DDC NR.
CONTRACT NR. AF 49(638)-722
PROJ/TASK NR. 9760-37600

AFOSR 975
ROCKETDYNE, CANOGA PARK, CALIF
THE BEHAVIOR OF PRESSURE WAVES IN A PRESSURE DEPENDENT
COMBUSTION FIELD PART I AUG 1961
BY MIRSKY, I. — DDC NR. 262077
LAWHEAD, R. B. <P.I. — CONTRACT NR. AF 49(638)-817
PROJ/TASK NR. 9751-37510

AFOSR 976
CHICAGO UNIV OF ILL
AN HYPOTHESIS OF FREESE AND THE DNA-PROTEIN CODING PROBLEM
BUL OF MATH BIOPHYS 23 305-318 1961
BY ROSEN R — DDC NR. 264447
CONTRACT NR. AF 49(638)-917
PROJ/TASK NR. 9777-37703

AFOSR 977
CHICAGO UNIV OF ILL
ON THE ROLE OF CHEMICAL SYSTEMS IN THE MICROPHYSICAL ASPECT
OF PRIMARY GENETIC MECHANISMS
BUL OF MATH BIOPHY 23 393-403 1961
BY ROSEN R — DDC NR.
CONTRACT NR. AF 49(638)-917
PROJ/TASK NR. 9777-37703

AFOSR 979
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
MAR 1961 EXPANSION AND DIFFUSION OF A LAYER OF HOT GAS IN
THE PRESENCE OF THERMAL RADIATION
BY CHOW C. Y. — DDC NR. 259050
CONTRACT NR. AF49(638)-207
PROJ/TASK NR.

AFOSR 980
HEBREW UNIV JERUSALEM, ISRAEL
MAR 1961 OCCUPATION TIMES FOR MARKOV AND SEMI-MARKOV CHAINS
BY KESTEN, H. — DDC NR. 262032
AGMON, S. <P.I.> — CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-37522

AFOSR 981
IST ELET NAX GALILEO FERRARIS TORINO ITALY
ELECTRON MICROSCOPE INVESTIGATION ON THE NATURE OF TRACK OF
OF FISSION PRODUCTS IN MICA
J APPL PHYS 32 2499-2503 DEC 1961
BY BONFIGLIOLI G — DDC NR. 262178
FERRO A — CONTRACT NR. AF 61(052)-328
MONJONI A — PROJ/TASK NR. 9760-37601

AFOSR 982
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS
PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COLOR CENTER
AND CRYSTAL LUMINESCENCE, SEP 8-12, TORINO, ITALY
BY BONFIGLIOLI, G ED — DDC NR. 262095
CONTRACT NR. AF 61(052)-328
PROJ/TASK NR. 9760-37601

AFOSR 983
NOVEL INST OF PHYSICS STOCKHOLM, SWEDEN
JUN 1961 RECENT WORK ON INSTRUMENTATION FOR NUCLEAR PULSE
HEIGHT SPECTROSCOPY, MANUFACTURING TECHNIQUES AND
PERFORMANCE OF SURFACE BARRIER SEMICONDUCTOR DETECTORS.
BY ASTROM, B. — DDC NR. 262054
JOHANSSON, N. G. E. — CONTRACT NR. AF 61(052)-118
WICKENBERG, G — PROJ/TASK NR. 9750-37500
BERGSTROM, I. <P.I.>

AFOSR 984
FRANKLIN INST PHILADELPHIA PA
MAGNETIC METHOD FOR THE DERMINATION OF THE ANISOTROPY
DISTRIBUTION IN FERROMAGNETIC POWDERS AUG 1961
J PHYS SOC JAPAN 17 673-675 1962
BY FLANDERS, P J — DDC NR. 262027
SHTRIKMAN, S — CONTRACT NR. AF 49(638)-159
BERKOWITZ, A E(P.I.) — PROJ/TASK NR. 9760-37601

AFOSR 986
UTAH UNIV OF SALT LAKE CITY
JUL 1961 THIRD AFOSR CONTRACTOR-S MEETING ON COMBUSTION
OF SOLID PROPELLANTS 30-31 JAN 1961 ABSTRACTS OF PAPERS
BY RYAN, N. W.(P.I.) — DDC NR.
CONTRACT NR. AF 49(638)-170
PROJ/TASK NR. 9751-37510

AFOSR 987
HEBREW UNIV JERUSALEM ISRAEL
HYPERFINE INTERACTIONS IN THE GROUND STATE AND FIRST
EXCITED STATE OF DY 161 IN DYSPROSIUM IRON GARNET
PHYS REV LTRS 6 467-470 1961 MAY
BY BAUMINGER R — DDC NR. 262033
COHEN S G — CONTRACT NR. AF 61(052)-347
MARINOV A — PROJ/TASK NR. 9763-37631
OFER S

AFOSR 988
CALIFORNIA INST OF TECHNOLOGY PASADENA
APR 1961 NUCLEOSYNTHESIS DURING THE EARLY HISTORY OF THE SOLAR SYSTEM
GEOPHYS J 6 148-220 1962
BY FOWLER, W. A. DDC NR.
GREENSTEIN, J. L. CONTRACT NR. AF 49(638)-21
HOYLE, F. PROJ/TASK NR. 9774-37663

AFOSR 989
STANFORD UNIV CALIF
THERMAL BUCKLING OF CENTRALLY HEATED CIRCULAR PLATES JUN 61
BY GUEINEC, A. DDC NR. 264493
HOFF N J<PI> CONTRACT NR. AF 49(638)-223
PROJ/TASK NR. 9782-37718

AFOSR 990
REACTION MOTORS DIV, THIOKOL DENVILLE NJ
THE ELECTRICAL PROPERTIES OF IONIZED FLAMES, PART II
ELECTROSTATIC AND MAGNETOHYDRODYNAMIC DEFLECTION AUG 1961
MILLER, G. F. CONTRACT NR. AF 49(638)-305
NICHOL, J. J. PROJ/TASK NR. 9752-37521
KINEYKO, W. R.
WOLFHARD, H. G. <P.I

AFOSR 991
FLORIDA UNIV OF GAINESVILLE,
EXPERIMENTAL DETERMINATION OF A STATISTICAL REPRESENTATION OF THE NOISE FIELD OF A SUBSONIC AIR JET AUG 1961
DEVEL IN MECH PLENUM PRESS NY 1961 PP 460-483
BY TRUBERT M. R. P. DDC NR. 264123
KIZNER H. G. CONTRACT NR. AF 49(638)-328
NASH W. PROJ/TASK NR. 9782-37718

AFOSR 992
RIAS INC BALTIMORE MD
ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS NEAR SETS
BY YOSHIZAWA T DDC NR. 262369
LEFSCHETZ S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR 994
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
PLASMA BOUNDARY LAYERS JUN 1961
BY FAY J A DDC NR. 260664
CONTRACT NR. AF 49(638)-643
PROJ/TASK NR. 9781-37715

AFOSR 997
POLYTECHNIC INST OF BROOKLYN NY
STABILITY ANALYSIS OF TWO-PARAMETER CONTROL SYSTEMS
BY SHOOMAN, M. L. DDC NR. 260044
TRUXAL J G<PI> CONTRACT NR. AF 18(603)-105
PROJ/TASK NR. 9768-37650

AFOSR 998
PLASMADYNE CORP, SANTA ANA, CALIF
IONIZATION PROCESSES IN GASES. FINAL REPORT MAR 61
BY LOOS, H. G. DDC NR. 261202
CONTRACT NR. AF 49(638)-655
PROJ/TASK NR. 9751-37510

AFOSR 999
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
STATISTICAL MODEL AND NUCLEAR LEVEL DENSITIES
ADV IN PHYS 9 429-511 OCT 1960
BY ERICSON T DDC NR.
CONTRACT NR. AT-(30-1)-2098
PROJ/TASK NR. 9750-37500

AFOSR 1000
TECHNION RSCH & DEVEL FOUND, HAIFA, ISR-EL
PHYSICS OF AIR-VISCOSITY AS RELATED TO GAS-BEARING DESIGN
FIRST INTER SYMPOSIUM ON GAS-LUBRICATED BEARINGS,* OCT 26-28, 1959, WASH D C PP 307-313
BY REINER M DDC NR. 277352
CONTRACT NR. AF 61(052)-223
PROJ/TASK NR. 9781-37712

AFOSR 1002
JOHNS HOPKINS UNIV BALTIMORE MD
INTERFEROMETRIC SPECTRA OF AMMONIA AND CARBON MONOXIDE IN THE FAR INFRARED
J OPT SOC AMER 50,*1163-1165,* DEC 1960
BY LOEWENSTEIN E. V. DDC NR. 262657
STRONG I<PI> CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR. 9768-37650

AFOSR 1003
JOHNSHOPKINS UNIV BALTIMORE , MD
OPTICAL PROPERTIES OF SAPPHIRE IN THE FAR INFRARED JUN 1960
J OPT SOC AMER 51,*108-112,* JAN 1961
BY LOEWENSTEIN E. V. DDC NR. 262656
STRONG J<PI> CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR. 9768-37650

AFOSR 1004
JOHNS HOPKINS UNIV BALTIMORE, MD
DIRECT DETERMINATION OF LINE SHAPES OF ROTATIONAL SPECTRA FROM INTERFEROMETRIC MEASUREMENTS
J OPT SOC AMER 50,*1159-1162,* DEC 1960
BY WILLIAMS T DDC NR. 262658
STRONG J<PI> CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR. 9768-37650

AFOSR 1005
CHICAGO UNIV OF, ILL
THE ALGEBRAIC MECHANISM OF FIBER SPACES, FINAL REPORT JUN 61
BY MACLANE S. DDC NR. 261052
CONTRACT NR. AF 18(600)-1303
PROJ/TASK NR. 9769-37650

AFOSR 1006
CALIFORNIA UNIV OF, BERKELEY,
ON THE TRANSITIVITY OF HOLONOMY SYSTEMS, JUN 1961,
BY SIMONS J. DDC NR. 261659
KOSTANT B. <P.I.> CONTRACT NR. AF 49(638)-79
PROJ/TASK NR. 9752-37522

AFOSR 1007
MARYLAND UNIV OF COLLEGE PARK
A RECIPROCAL THEOREM FOR LINEAR ELECTROSTRICTION WITH SOME APPLICATIONS JUN 1961
BY KNOPS R J DDC NR. 260336
WEINSTEIN A<P.I.> CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR 1008
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
REV JUN 1961 A VARIATION CALCULUS SOLUTION TO THE OPTIMUM ORBITAL ESCAPE PROBLEM, AND A COMPARISON WITH SEVERAL STEERING PROGRAMS OF SIMPLE ANALYTICAL FORM
BY BARON L. A. DDC NR. 264043
CONTRACT NR. AF 49(638)-363
PROJ/TASK NR. 9783-37726

AFOSR 1009
HARVARD UNIV CAMBRIDGE, MASS
SERIES EXPANSIONS IN TERMS OF THE TEMPERATURE FUNCTIONS OF PORITSKY AND POWELL, SEP 1961
BY WIDDER D. V. DDC NR. 264704
WALSH J. L. CONTRACT NR. AF 49(638)-574
PROJ/TASK NR. 9769-37658

AFOSR 1010
RICE INST HOUSTON, TEX
REGULARIZED SET OPERATIONS JUN 1961
BY BROWN A. DDC NR. 264426
JOHNSON G. CONTRACT NR. AF 49(638)-632
PROJ/TASK NR. 9752-37522

AFOSR 1013
CHICAGO UNIV OF, ILL
ON A CLASS OF DOUBLY TRANSITIVE GROUPS, JUN 1961
BY SUZUKI M. DDC NR. 261853
ALBERT A. A. <P.I.> CONTRACT NR. AF 49(638)-858
PROJ/TASK NR. 9752-37522

AFOSR 1014
CALIFORNIA UNIV OF BERKELEY
PHASE STABILITY IN FREQUENCY MULTIPLIERS JUN 1961
BY DIMICK R. R. DDC NR. 265755
WHINNERY J CONTRACT NR. AF 49(638)-1043
PEDERSON D O<PI> PROJ/TASK NR. 4751

AFOSR 1016
VIRGINIA UNIV OF CHARLOTTESVILLE
DIFFERENTIABLE PERIODIC MAPS, JUN 1961
BY CONNER P. E. DDC NR. 262841
FLOYD E. E. CONTRACT NR. AF 49(638)-72
WHYBURN G. T. PROJ/TASK NR. 9783-37727

AFOSR 1017
NEW YORK UNIV N Y
SOME UNIQUENESS THEOREMS FOR THE REDUCED WAVE EQUATION, JUN 1961
BY LEVINE L. M. DDC NR. 265259
KLINE M CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR 1018
YALE UNIV, NEW HAVEN CONN
SOME GROUPS OF TRANSFORMATIONS DEFINED BY JORDAN ALGEBRAS III. GROUPS OF TYPE E61 JUN 61
J FUR DIE REINE UND ARIGE WANDTE MATH 207,*61-85,* 1961
BY JACOBSON N. DDC NR. 263970
CONTRACT NR. AF 49(638)-515
PROJ/TASK NR. 9769-37658

AFOSR 1019
CALIFORNIA UNIV OF BERKELEY
FUNDAMENTAL ANALYSIS OF VARIOUS DYNAMIC STABILITY PROBLEMS FOR MISSILES, FINAL REPORT JUN 1961
BY COAKLEY T. J. DDC NR. 259127
LAITONE E. V. CONTRACT NR. AF 49(638)-818
MAAS W. L. PROJ/TASK NR.

AFOSR 1020
VIRGINIA UNIV CHARLOTTESVILLE
ON A METHOD FOR MEASURING THE BASE PRESSURE, MEASUREMENT AND VISUALIZATION ON A CONE CYLINDER MAGNETICALLY SUSPENDED AT M6 7.6, TRANS BY R N ZAPATA
RECH AERONAUTIQUE 79,* NOV-DEC 1960
BY DUBOIS G. DDC NR. 260634
ROUGE C. CONTRACT NR. AF 49(638)-1022
PROJ/TASK NR. 9783-01

AFOSR 1021
DUKE UNIV DURHAM N C
DEUTERIUM SUBSTITUTION IN AN ESR STUDY OF RADIATION-INDUCED FREE RADICALS
IN DUKE MICROWAVE LAB RPT NR 32
BY MIYAGAWA I DDC NR.
GORDY W CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9768-37650

AFOSR 1022
DUKE UNIV DURHAM N C
THE MILLIMETER WAVE SPECTRUM OF METHYL CYANIDE AND AND THE TYPE DOUBLING JUL 1961
IN DUKE MICROWAVE LAB RPT NR 32
BY VENKATESWARLU P DDC NR.
BAKER J CONTRACT NR. AF 49(638)-765
GORDY W PROJ/TASK NR. 9768-37650

AFOSR 1023
DUKE UNIV DURHAM N C
TEMPERATURE EFFECTS ON THE FORMATION OF FREE RADICALS IN THE AMINO ACIDS JUL 1961
IN DUKE MICROWAVE LAB RPT NR 32
BY PATTEN F DDC NR.
GORDY W CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9768-37650

AFOSR 1024
CORNELL UNIV ITHACA NY
A RAMAN STUDY OF THE BROMIDE SOLUTIONS OF ZINC AND CADMIUM
JACS 83 2448-2452 JUN 1961
BY YELLIN W — DDC NR.
PLANE R A — CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR 1025
MOUNT ZION HOSPITAL SAN FRANCISCO CALIF
STEREOTAXIC SURGERY FOR PARKINSONISM A METHOD OF EVALUATION CLINICAL RESULTS
J OF NEUROSURGERY 18 210-216 1961
BY LEVIN G — DDC NR.
FEINSTEIN B — CONTRACT NR. AF 18(603)-48
KREUL J — PROJ/TASK NR. 9777-37700
ALBERTS S W
WRIGHT E W

AFOSR 1026
CORNELL UNIV ITHACA, NY
LINEARIZED OSCILLATIONS IN A PLASMA SEP 1961
BY SCHUBERT G. — DDC NR. 265101
SEARS W. R. <P.I.> — CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR 1028
PRINCETON UNIV N J
A GRAPHITE RESISTANCE HEATER FOR A HYPERSONIC WIND TUNNEL USING NITROGEN JUN 1961
BY SHREEVE R P — DDC NR.
LORD W T — CONTRACT NR. AF 49(638)-709
BOERSEN S J — PROJ/TASK NR. 9781-37712
BOGDONOFF S

AFOSR 1029
WESTERN RESERVE UNIV CLEVELAND O
A PULSE RESOLVER USING TUNNEL DIODES
NUC INSTR & MATH 14 351-352 1961
BY MCGERVEY J D — DDC NR.
ROBINSON B L<P .I.> — CONTRACT NR. AF 49(638)-760
PROJ/TASK NR. 9763-37631

AFOSR 1031
MASS INST OF TECHNOLOGY
SOME STEADY AND UNSTEADY INVISCID HYPERSONIC FLOWS PAST BLUFF BODIES JUN 1961
BY KENNET H — DDC NR. 267955
ASHLEY H<PI> — CONTRACT NR. AF 49(638)-933
PROJ/TASK NR. 9781-37712

AFOSR 1032
WEIZMANN INST OF SCI REHOVOTH ISRAEL
MECHANISM OF PHOTOPHOSPHORYLATION IN CHLOROPLASTS APR 1961
BY AVRON M — DDC NR. 262091
CONTRACT NR. AF 61(052)-390
PROJ/TASK NR. 9777-37704

AFOSR 1033
OXFORD UNIV ENGLAND
EFFECT OF ISOLATION FROM THE FATHER ON THE BEHAVIOR OF MALE THREE-SPINED STICKLEBACKS TO MODELS FINAL REPORT 1961
BY CULLEN E — DDC NR. 262189
TINBERGEN N<P.I.> — CONTRACT NR. AF 61(052)-29
PROJ/TASK NR. 9778-37708

AFOSR 1034
BIRMINGHAM UNIV OF ENGLAND
ELECTROPHYSIOLOGICAL INVESTIGATION INTO THE ACTION OF CENTRAL STIMULANT AND TRANQUILLISING DRUGS FINAL REPORT MAY 1961
BY BRADLEY P B — DDC NR. 262162
CONTRACT NR. AF 61(514)-1184
PROJ/TASK NR. 9777-37700

AFOSR 1035
COPENHAGEN UNIV OF DENMARK
DETERMINATION OF THE STRUCTURE OF ALPHA-AND BETA-FLUORONAPHTALENES AND OTHER SELECTED MOLECULES BY INFRARED AND MICRO WAVE TECHNIQUES FINAL REPORT
BY BAK B — DDC NR. 262113
CONTRACT NR. AF 61(052)-73
PROJ/TASK NR. 9760-37600

AFOSR 1036
MAUDSLEY HOSPITAL LONDON ENGLAND
HYPOTHALAMIC AND FOREBRAIN AREAS RESPONSIBLE FOR CONTROL OF SECRETION OF THYROTROPHIC AND ADRENOCORTICOTROPHIC HORMONES 1961
BY HARRIS, G W<P.I .> — DDC NR. 261582
CONTRACT NR. AF 61(514)-953
PROJ/TASK NR. 9777-37701

AFOSR 1038
LUND UNIV OF SWEDEN
1960. ON THE BIOCHEMISTRY AND POSSIBLE FUNCTIONS OF DOPAMIN AND NORADRENALINE IN BRAIN
CIBA FOUND SYMP ON ADRENERGIC MECHANISMS ED G E W WOLSTENHOLME AND MAEVE O-CONNOR PUBL J & A CHURCHILL LTD, LOND 1960 PP 432-439
BY CARLSSON A — DDC NR.
LINDQVIST M — CONTRACT NR. AF 61(052)-247
MAGNUSSON T — PROJ/TASK NR. 9777-37700

AFOSR 1039
ZARAGOZA UNIV OF SPAIN
APPROXIMATE CONSTANCY OF ADIABATIC INVARIANTS
PROG OF THEOR PHYS 26,*577-588,* NOV 1961
BY GARRIDO L M — DDC NR. 262956
CONTRACT NR. AF 61(052)-438
PROJ/TASK NR. 9751-37511

AFOSR 1040
LEIDEN STATE UNIV OF NETHERLANDS
ON THE QUANTUM STATISTICAL BASIS OF NON-EQUILIBRIUM THERMODYNAMICS I 1961
PHYSICA 27,*353-372,*1961
BY VLIEGER J — DDC NR. 262070
MAZUR P — CONTRACT NR. AF 61(052)-16
DEGROOT S R — PROJ/TASK NR. 9751-37511

AFOSR 1042
PARIS UNIV OF FRANCE
INVESTIGATION OF RECOMBINATION RADIATIONS FROM SEMICONDUCTORS MAY 1961
BY GUILLAUME C — DDC NR. 262073
AIGRAIN P<P.I.> — CONTRACT NR. AF 61(052)-370
PROJ/TASK NR. 9760-37601

AFOSR 1043
VIENNA UNIV OF AUSTRIA
HIGH ENERGY PHYSICS FOR 1 JULY 1960 THROUGH 30 JUNE 1961
BY THIRRING W E — DDC NR. 262129
CONTRACT NR. AF 61(052)-433
PROJ/TASK NR. 9751-37512

AFOSR 1048
WAYNE STATE UNIV DETROIT MICH
FIBERINGS OF ENVELOPING SPACES, II. AUG 1961
TOHOKU MATH J 2DSER 14,*104-120,* APR 1962
BY SZE TSEN HU — DDC NR. 262159
HU, S. T. — CONTRACT NR. AF 49(638)-179
PROJ/TASK NR. 9769-37658

AFOSR 1049
CASE INST OF TECHNOLOGY, CLEVELAND, O.
EXACT POWER OF SOME TESTS BASED ON MOOD-S AND MASSEY-S STATISTICS, APR 1960
BY CHAKRAVARTI, I. M. — DDC NR. 260730
LEONE F. C. — CONTRACT NR. AF 49 (638)-361
ALANEN J. D. — PROJ/TASK NR. 9783-37727

AFOSR 1050
GENERAL DYNAMICS CORP, POMONA, CALIF
THERMAL STRESSES IN PERFORATED PLATES AND BODIES OF REVOLUTION FINAL REPORT JUN 1961
BY SUTHERLAND R. D. — DDC NR.
MANVILLE S. M. — CONTRACT NR. AF 49(638)-592
SCHNEIDER K. J. — PROJ/TASK NR. 9782-37717
SHOOK R. G.

AFOSR 1051
MISSOURI UNIV OF COLUMBIA
ON THE RANGE OF THE DIFFERENCE BETWEEN A HYPOTHETICAL DISTRIBUTION FUNCTION AND PYKE MODIFIED EMPIRIC DISTRIBUTION FUNCTION, JUL 1961
BY BRUNK H D — DDC NR. 264884
UTZ W. R. — CONTRACT NR. AF 49(638)-754
PROJ/TASK NR. 9783-37727

AFOSR 1052
PITTSBURGH UNIV OF PA
HALL EFFECT OF IMPURITY CONDUCTION 10 JULY 1961
PHY REV 124 1329-1347 DEC 1961
BY HOLSTEIN T D — DDC NR.
KEFFER F<P.I.> — CONTRACT NR. AF 49(638)-323
DEAN C<P.I.> — PROJ/TASK NR. 9760-37601
ANDERSON J<P.I.>

AFOSR 1053
UPPSALA UNIV OF SWEDEN
A TERNARY SIGMA-PHASE IN THE CR-NI-P SYSTEM
ACTA CHEM SCAND 16 149-154 1962
BY LUNDSTROM T — DDC NR. 272327
HAGG G<P.I.> — CONTRACT NR. AF 61(052)-40
PROJ/TASK NR. 9762-37621

AFOSR 1054
POLYTECHNIC INST OF BROOKLYN N Y
ON LINEARIZED SWIRLING WAKES JUL 1961
BY STEIGER M H — DDC NR. 261547
BLOOM M H — CONTRACT NR. AF 49(638)-445
FERRI, A. <P.I.> — PROJ/TASK NR. 9781-37712

AFOSR 1060
HARVARD UNIV CAMBRIDGE MASS
ORGANOBORON HALIDES, VI. HYDROBORATION OF 3, 3, 3-TRIFLUOROPROPENE JUN 1961
J CHEM SOC OF GR BRIT 94-97 JAN 1962
BY PHILLIPS J R — DDC NR.
STONE F G A — CONTRACT NR. AF 49(638)-518
PROJ/TASK NR. 9762-37620

AFOSR 1062
MINNESOTA UNIV OF MINNEAPOLIS
THE STRUCTURE OF 2, 4-DIBROMOMENTHONE
BY LIPSCOMB W N — DDC NR. 259746
CONTRACT NR. AF 49(638)-485
PROJ/TASK NR. 9760-37600

AFOSR 1063
HARVARD UNIV CAMBRIDGE MASS
THE STRUCTURE OF HCN TETRAMER
TETRAHEDRON LTRS NR 6 17-19 1960
BY LIPSCOMB W N — DDC NR. 259747
PENFOLD B R — CONTRACT NR. AF 49(638)-809
PROJ/TASK NR. 9760-37600

AFOSR 1064
HARVARD UNIV CAMBRIDGE MASS
STRUCTURE OF B12H12-2 ION
JACS 82 4427 1960
BY LIPSCOMB W N — DDC NR. 259744
WRENDERLICH J A — CONTRACT NR. AF 49(638)-809
PROJ/TASK NR. 9760-37600

AFOSR 1065
CALIFORNIA UNIV OF BERKELEY
A NOTE ON THE STAGNATION-POINT LANGMUIR PROBE DEC 1960
BY TALBOT L. — DDC NR.
CONTRACT NR. AF 49(638)-502
PROJ/TASK NR. 9781-37712

AFOSR 1067
CALIFORNIA UNIV OF BERKELEY
HYDROGEN ABSTRACTION FROM HYDROCARBONS BY METHYL RADICALS FROM THE PHOTOLYSIS OF METHYL IODIDE IN SOLID NITROGEN
JACS 83 3754-3758 SEP 1961
BY PIMENTEL G C — DDC NR. 274797
CONTRACT NR. AF AFOSR-61-25
PROJ/TASK NR. 9763-37630

AFOSR 1068
YALE UNIV NEW HAVEN CONN
THE ULTRAVIOLET SPECTRUM OF DIBENZENE CHROMIUM VAPOR
J CHEM PHYS 35 2025-2028 DEC 1961
BY BERRY R S
DDC NR.
CONTRACT NR. AFOSR-61-25
PROJ/TASK NR. 9760-37600

AFOSR 1072
CORNELL UNIV ITHACA NY
THE HETEROLACTIC FERMENTATION III. POSITION OF C14 IN THE PRODUCTS OF FRUCTOSE DISSIMILATION BY LEUCONOSTOC MESENTEROIDES
J BIOL CHEM 236 2850-2853 NOV U961
BY BUSSE M; KINDEL P K; GIBBS M
DDC NR.
CONTRACT NR. AF 49<638>-798
PROJ/TASK NR. 9777-37704

AFOSR 1073
STANFORD UNIV NY
SOME ASPECTS OF DEFORMATION IN SINGLE CRYSTALS AND BICRYSTA OF ALUMINUM AT ELEVATED TEMPERATURES JUN 1961
BY BUSH R H; LORD A N; NIX W D; HUGGINS R A
DDC NR. 262462
CONTRACT NR. AF 18<603>-66
PROJ/TASK NR. 9761-37611

AFOSR 1074
CALIFORNIA UNIV OF BERKELEY
A SHAPE-INDEPENDENT THEORY OF HIGH ENERGY NUCLEON-NUCLEON SCATTERING
BY BALAZS L. A. P.; KARPLUS R
DDC NR. 260958
CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR 1075
CALIFORNIA UNIV OF BERKELEY
CROSS SECTIONS AT HIGH ENERGIES
BY WEINBERG S.; KARPLUS R
DDC NR. 260959
CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR 1076
STANFORD UNIV CALIF
ANTIFERROMAGNETIC TO FERROMAGNETIC TRANSITIONS IN ORGANIC FREE RADICALS JUL 1961
BY EDELSTEIN A. S.; MANDEL, M.; PAKE, G. E. <P.I.>
DDC NR. 261506
CONTRACT NR. AF18<603>-131
PROJ/TASK NR. 9751-02

AFOSR 1077
IOWA STATE UNIV AMES
HEAT CAPACITY LAG IN HEAVY GASE JUL 1961
BY LEGVOLD S.; OLSON J. R.
DDC NR. 289435
CONTRACT NR. AF 49<638>-731
PROJ/TASK NR. 9751-37511

AFOSR 1078
POLYTECHNIC INST OF BROOKLYN N Y
THE FOURTH SYMPOSIUM ON TEMPERATURE, ITS MEASUREMENT AND CONTROL IN SCIENCE AND INDUSTRY MAY 1961
BY FARBER H.; MARCUBITZ N; TRUXAL J G
DDC NR.
CONTRACT NR. AF 18<600>-1505
PROJ/TASK NR. 4751

AFOSR 1080
MARYLAND UNIV OF COLLEGE PARK
STATISTICAL PROPERTIES OF LOW-DENSITY TRAFFIC JULY 1961
Q APPL MATH 20.*121-130.* JULY 1962
BY WEISS G H; HERMAN R; MONTROLL, E W<P.I.>
DDC NR. 262260
CONTRACT NR. AF 18<600>-1315
PROJ/TASK NR. 9751-37511

AFOSR 1081
MARYLAND UNIV OF COLLEGE PARK
ON POMPEIU-S PROOF OF THE MEAN VALUE THEOREM OF THE DIFFERENTIAL CALCULUS OF REAL VALUED FUNCTIONS JUN 1961
BY AZIZ A K; DIAZ J B; WEINSTEIN A<P.I.>
DDC NR. 260451
CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

AFOSR 1082
NORTHWESTERN UNIV, EVANSTON, ILL.
ON THE USE OF PARAMETERS IN CONTINUED FRACTION TRANSFORMATIONS, JUN 1961
BY MERKES E. P.; SCOTT, W. T. <P.I.>
DDC NR. 262932
CONTRACT NR. AF 49<638>-888
PROJ/TASK NR. 9752-37522

AFOSR 1083
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA
FUNCTION THEORETIC SOLUTIONS OF CERTAIN BOUNDARY-VALUE PROBLEMS JUL 1961
BY SREEDHARAN V. P.; NEHARI Z. <P.I.>
DDC NR. 261985
CONTRACT NR. AF 49<638>-227
PROJ/TASK NR. 9783-37727

AFOSR 1084
WAYNE STATE UNIV, DETROIT MICH
ON A THEOREM OF YANO AND NAGANO JUL 1961
BY GOLDBERG S. I.
DDC NR. 263313
CONTRACT NR. AF 49<638>-967
PROJ/TASK NR. 9769-37658

AFOSR 1085
POLYTECHNIC INST OF BROOKLYN N Y
VELOCITIES IN TWO-DIMENSIONAL ASYMMETRIC WAKES JUL 61
BY STEIGER M H; BLOOM M H; FERRI, A. <P.I.>
DDC NR. 261480
CONTRACT NR. AF 49<638>-217
PROJ/TASK NR. 9781-37712

AFOSR 1086
RIAS INC BALTIMORE MD
LOCALLY ONE-TO-ONE MAPPINGS AND A CLASSICAL THEOREM ON SCHLICT FUNCTIONS
BY MEISTERS G H; OLECH C; LEFSCHETZ, S<P.I.>
DDC NR. 262080
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR 1087
CORNELL UNIV ITHACA, NY
ON THE FLOW OF INVISCID CONDUCTING FLUID PAST A CIRCULAR CYLINDER WITH APPLIED MAGNETIC FIELD JUL 1961
BY TAMADA K.; BRADLEY R. <P.I.>
DDC NR. 265102
CONTRACT NR. AF 49.638-674
PROJ/TASK NR. 9781-37713

AFOSR 1089
MOUNT ZION HOSPITAL SAN FRANCISCO CALIF
THRESHOLD STIMULATION OF THE LATERAL THALAMUS AND GLOBUS PALLIDUS IN THE WAKING HUMAN
ELECTROENCEPH. CLIN. NEUROPHYSIOL 13 68 74 1961
BY ALBERTS W W; WRIGHT E W; LEVIN G; FFINSTEIN B; MUELLER M
DDC NR. 252678
CONTRACT NR. AF 18<603>-48
PROJ/TASK NR. 9777-37700

AFOSR 1090
NORTH CAROLINA UNIV OF CHAPEL HILL
SOME TERNARY ERROR CORRECTING CODES AND FRACTIONALLY REPLICATED DESIGNS MAY 1961
COLLOQUES INT CTR NAT RECH SCI MR 110 LEPLAN D- EXPERIENCES 29 AUG-6 SEP PARIS 1961 PP. 21-32
BY BOSE R. C.
DDC NR. 260712
CONTRACT NR. AF 49<638>-213
PROJ/TASK NR. 9769-37658

AFOSR 1091
MIAMI UNIV OF FLA
LIMITS AND BOUNDS FRO DIVIDED DIFFERENCES ON A JORDAN CURVE IN THE COMPLEX DOMAIN OCT 1961
BY CURTISS J H
DDC NR. 268336
CONTRACT NR. AF 49<638>-862
PROJ/TASK NR. 9769-37658

AFOSR 1092
STANFORD UNIV CALIF
THE EFFECT OF THE EARTH-IONOSPHERE WAVEGUIDE ON WHISTLERS JUL 1961
BY CRARY J. H.; HELLIWELL, R. A.<P.I
DDC NR. 262348
CONTRACT NR. AF 18<603>-126
PROJ/TASK NR. 9768-37650

AFOSR 1093
MIAMI UNIV OF CORAL GABLES FLA
PROBABILISTIC METHODS IN MARSOV CHAINS JUN 1961
BY AUSTIN D. G.; MEYER H
DDC NR. 263027
CONTRACT NR. AF 49<638>-184
PROJ/TASK NR. 9752-37522

AFOSR 1094
WASHINGTON UNIV ST LOUIS MO
RATE OF THE MANGANATE-PERMANGANATE EXCHANGE BY PULSED NUCLEAR MAGNETIC RESONANCE .
JACS 26-34 83 4516-4517 37-44 NOV 1961
BY BOTT A. D.; YEN W M; WEISSMAN S I; NORBERG, R.<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-464
PROJ/TASK NR. 9751-37511

AFOSR 1095
WASHINGTON UNIV ST LOUIS MO
RIRADICALS IN THE KFTYL SFRIFS
JACS 83.*3533.* AUG 1961
BY HIROTA N; WEISSMAN S I; NORBERG, R. <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-464
PROJ/TASK NR. 9751-37511

AFOSR 1096
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
PROGRESS IN FIELD-EMISSION WORK-FUNCTION MEASUREMENTS OF ATOMICALLY PERFECT CRYSTAL PLANES
J APPL PHYS 33 91-95 JAN 1962
BY YOUNG R D; MULLER E
DDC NR.
CONTRACT NR. AF 49<638>-504
PROJ/TASK NR. 9761-37611

AFOSR 1097
CARNEGIE INST OF TECHNOLOGY PITTSBURG PA
THE EFFECTS OF INSTRUCTIONS ON THE PERCEPTION OF MULTIPLE TARGETS
J EXPER PSYCHOL 62 533-534 1961
BY KARN H W; GREGG L W
DDC NR.
CONTRACT NR. AF 49<638>-770
PROJ/TASK NR. 9778-37708

AFOSR 1099
WASHINGTON UNIV
A MEASUREMENT OF THE LONGITUDINAL POLARIZATION OF NEON-19 POSITRONS AUG 1961
BY JOVANOVIC J V; SHULL F B<P.I.>; POND T A<P.I.>
DDC NR. 261907
CONTRACT NR. AF 49<638>-843
PROJ/TASK NR. 9751-37512

AFOSR 1100
NORTHWESTERN UNIV EVANSTON ILL
A SPECTROSCOPIC TECHNIQUE FOR THE MEASUREMENT OF TEMPERATURE IN TRANSPARENT PLASMAS JUL 1961
BY KNOPP C F; GOTTSCHLICH C F; CAMBEL A B
DDC NR. 277352
CONTRACT NR. AF 49<638>-879
PROJ/TASK NR. 9751-37510

AFOSR 1101
NORTHWESTERN UNIV EVANSTON ILL
THE EFFECT OF RADIATION ON SHOCK VELOCITY ATTENUATION IN ELECTROMAGNETIC SHOCK TUBES APR 1961
BY THORNTON J A; CAMBEL A B
DDC NR. 277360
CONTRACT NR. AF 49<638>-879
PROJ/TASK NR. 9751-37510

AFOSR 1103
LYONS UNIV OF FRANCE
RESEARCH ON THE NEUROPHYSIOLOGICAL MECHANISMS OF SLEEP AND ATTENTION FINAL REPORT MAY 1961
BY JOUVET M
DDC NR. 262071
CONTRACT NR. AF 61<052>-109
PROJ/TASK NR. 9778-37708

AFOSR 1104
GOTEBORG UNIV OF SWEDEN
THE BIOCHEMICAL RELATIONSHIP BETWEEN NEURON AND ITS OLIGODENDROGLIA. MOLECULAR CHANGES IN THE RNA OF NERVE AND GLIA CELLS DURING LEARNING AND DURING EXPERIMENTAL INCREASE RNA AND PROTEIN SYNTHESIS
BY HYDEN H
DDC NR. 262035
CONTRACT NR. AF 61<052>-248
PROJ/TASK NR. 9777-37703

AFOSR 1105
FREE UNIV OF WEST BERLIN GERM
DISSOCIATION CROSS SECTION FINAL REPORT 1961
BY LUDWIG G
DDC NR. 272393
CONTRACT NR. AF 61<052>-217
PROJ/TASK NR. 9767

AFOSR 1106
BIRMINGHAM UNIV OF ENGLAND
1961 RESEARCH IN MICROWAVE SPECTROSCOPY. U SEP 1959 THROUGH 31 DEC 1960
BY SHERIDAN J
DDC NR. 262030
CONTRACT NR. AF 61<052>-241
PROJ/TASK NR. 9767

AFOSR 1107
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
THE THERMODYNAMIC PROPERTIES OF THE SYSTEMS NB-H, V-H AND TA-H JAN 1960
BY VELECKIS E
EDWARDS R K<P.I.>
DDC NR. 282433
CONTRACT NR. AF 49 <638>-46
PROJ/TASK NR. 9762-37621

AFOSR 1108
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
THERMODYNAMIC PROPERTIES IN THE SYSTEM HYDROGEN-HAFNIUM 1961
BY EDWARDS R K
VELECKIS E
DDC NR.
CONTRACT NR. AF 49<638>-346
PROJ/TASK NR. 9762-37621

AFOSR 1109
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
CHEMICAL THERMODYNAMICS OF MATERIALS AT HIGH TEMPERATURES FINAL REPORT JUN 1961
BY EDWARDS R K
WAHLBECK P G
DDC NR. 259044
CONTRACT NR. AF 49<638>-346
PROJ/TASK NR. 9762-37621

AFOSR 1110
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
DISSOCIATION ENERGIES OF DIATOMIC MOLECULES BY THE KNUDSEN-TORSION EFFUSION METHOD DISSOCIATION ENERGY OF GASEOUS S 2
BY RUDNIKAS P
EDWARDS R K
DDC NR. 282434
CONTRACT NR. AF 49<638>-346
PROJ/TASK NR. 9762-37621

AFOSR 1111
CORNELL UNIV ITHACA N Y
EFFECT OF PRESSURE ON THE ENERGY GAP OF BI 2 TE 3
J APP PHYS 32 1733-1735 SEP 1961
BY LI C
RUOFF A L
SPENCER C W
DDC NR.
CONTRACT NR. AF 49<638>-480
PROJ/TASK NR. 9760-37601

AFOSR 1112
ILLINOIS UNIV OF URBANA
THE ZENER RELAXATION IN TERNARY AU-AG-ZN ALLOYS JUL 1961
ACTA NUTAL 10 299-304 APR 1962
BY PIRSON A
WERT C
DDC NR. 266243
CONTRACT NR. AF 49<638>-672
PROJ/TASK NR. 9760-37601

AFOSR 1114
BOSTON UNIV MASS
EXPANSION OF THE LINEAR BOLTZMANN OPERATOR
PROGRESS OF THEORETICAL PHYSICS 25.*1049-1051.* 1961
BY SIEGEL A
DDC NR.
CONTRACT NR. AF 49<638>-675
PROJ/TASK NR. 9751-37511

AFOSR 1116
CALIFORNIA INST OF TECHNOLOGY, PASADENA
ELASTIC WAVE PROPAGATION IN LAYERED ANISOTROPIC MEDIA
J GEOPHYS RSCH 66.* 2953-2963.* SEP 1961
BY ANDERSON D. L.
PRESS F. <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-910
PROJ/TASK NR. 8652

AFOSR 1117
CALIFORNIA INST OF TECHNOLOGY, PASADENA
EXPERIMENTAL DETERMINATION OF EARTHQUAKE FAULT LENGTH AND RUPTURE VELOCITY
J GEOPHYS RSCH 66.* 3471-3485.M OCT 1961
BY PRESS, F.
MENAHEM, A, BEN
TOKSOZ M. N.
DDC NR.
CONTRACT NR. AF 49<638>-910
PROJ/TASK NR. 8652

AFOSR 1119
RIAS INC BALTIMORE MD
PROLONGATIONS AND GENERALIZED LIAPUNOV FUNCTIONS
BY SEIBERT P
LEFSCHETZ S
DDC NR. 262350
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR 1121
RIAS INC BALTIMORE MD
THE THEORY OF OPTIMAL CONTROL AND THE CALCULUS OF VARIATIONS
BY KALMAN E
LEFSCHETZ S
DDC NR. 267577
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR 1122
HARVARD UNIV CAMBRIDGE MASS
THE INVERSION OF TRANSFORM RELATED TO THE LAPLACE TRANSFORM AND TO HEAT CONDUCTION SEP 1961
BY WIDDER D V
WALSH J. L.
DDC NR. 264701
CONTRACT NR. AF 49<638>-574
PROJ/TASK NR. 9769-37658

AFOSR 1123
WESTINGHOUSE ELECTRIC PITTSBURGH PA
FUNCTION THEORETIC ANALYSIS OF KEPLER-S EQUATION AUG 1961
BY PAUL E W
SHARPIRO, G<P.I.>
DDC NR. 263123
CONTRACT NR. AF 49<638>-1002
PROJ/TASK NR. 9783-37726

AFOSR 1124
WESTERN ONTARIO UNIV CAN
TRANSITION PROBABILITES OF MOLECULAR BAND SYSTEMS TABULATED KLEIN-DUNHAM POTENTIAL ENERGY FUNCTIONS FOR TEN STATES OF C2<+>, OH<2> AND SIO<2> JUL 1961
BY JARMAIN W. R.
NICHOLLS, R. W. <P.I
DDC NR. 262593
CONTRACT NR. AF AFOSR-61-88
PROJ/TASK NR. 9774-37663

AFOSR 1125
HARVARD UNIV CAMBRIDGE MASS
THE MOLECULAR AND CRYSTAL STRUCTURE OF HYDROGEN CYANIDE TETRAMER <DIAMINOMALEONITRILE>
ACTA CRYSTAL 14 589-597 JUN 1961
BY PENFOLD, B R
LIPSCOMB, W N
DDC NR. 259965
CONTRACT NR. AF 49.638#-80Y
PROJ/TASK NR. 9760-37600

AFOSR 1126
HARVARD UNIV CAMBRIDGE MASS
THE CRYSTAL AND MOLECULAR STRUCTURE OF CELLOBIOSE JULY 1961
ACTA CRYSTAL 14 598-607 JUN 1961
BY JACOBSON R A
LEPSCOMB W N
DDC NR. 259966
CONTRACT NR. AF 49<638>-809
PROJ/TASK NR. 9760-37600

AFOSR 1127
BOLT BERANEK AND NEWMAN INC CAMBRIDGE MASS
BRIDGES OVER THE GULF BETWEEN MAN-MACHINE-SYSTEM RESEARCH AND MAN-MACHINE-SYSTEM DEVELOPMENT JAN 1962
BY LICKLIDER J C R
DDC NR.
CONTRACT NR. AF 49<638>-355
PROJ/TASK NR. 9778-37706

AFOSR 1130
RIAS INC BALTIMORE MD
ON THE GLOBAL STABILITY OF AN AUTONOMOUS SYSTEM ON THE PLANE
BY OLECH C
LEFSCHETZ S
DDC NR. 264606
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR 1131
CHICAGO UNIV OF ILL
MATHEMATICAL MODELS OF NEURONE INTERACTION
BY LANDAHL H D
DDC NR.
CONTRACT NR. AF 49<638>-414
PROJ/TASK NR. 9777-37700

AFOSR 1132
INST DE INVEST DE CIENCIAS BIOLOGICAS MONTEVIDEO URUGUAY
SOMATIC CORTICAL POTENTIALS IN FREE UNANESTHETIZED CATS
ACTA NEUROL LATINOAMER 6 340-352 1960
BY ROIG J A
SEGUNDO J P
SOMMER SMITH J A
ALIA D
GALEANO C
ESTABLE, C <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-585
PROJ/TASK NR.

AFOSR 1133
CHICAGO UNIV OF ILL
DYNAMICS AND STRUCTURE OF THE OUTER RADIATION BELT JUN 1961
BY FAN C. Y.
MEYER P.
SIMPSON JC A.
DDC NR.
CONTRACT NR. AF 18<600>-666
PROJ/TASK NR. 9774-37665

AFOSR 1136
CHICAGO UNIV OF ILL
RESONANCE TRANSFER MODEL OF ELECTRON AND HOLE CONDUCTION IN ANTHRACENE
J CHEM PHY 35 2269-2270 DEC 1961
BY KEARNS D R
DDC NR.
CONTRACT NR. AF 49<638>-923
PROJ/TASK NR. 9760-37601

AFOSR 1137
NEW YORK UNIV N Y
STOCHASTIC MODELS FOR MANY-BODY SYSTEMS
1. INFINITE SYSTEMS IN THERMAL EQUILIBRIUM JUL 1961
BY KRAICHNAN R. H.
KLINE, M. <P.I.>
DDC NR. 264738
CONTRACT NR. AF 49<638>-341
PROJ/TASK NR. 9768-37650

AFOSR 1138
NEW YORK UNIV N Y
STOCHASTIC MODELS FOR MANY-BODY SYSTEMS. II. FINITE SYSTEMS AND STATISTICAL NON-EQUILIBRIUM
J MATH PHYS 3.*696-521.* MAY-JUN 1962
BY KRAICHNAN R H
KLINE, M. <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-341
PROJ/TASK NR. 9768-37650

AFOSR 1139
TRANSACTIONS OF THE SYMPOSIUM ON ELECTRODE PROCESSES PAPERS PRESENTED AT A SYMPOSIUM SPONSORED BY THE ELECTROCHEMICAL SOCIETY INC AND AFOSR
PHILADELPHIA 4-6 MAY 1959
JOHN WILEY & SONS 1961
BY YEAGER ED F
DDC NR. 262879

AFOSR 1140
POLYTECHNIC RESEARCH INST OF BROOKLYN N Y
EIGENWAVES ON A LATTICE OF SMALL SCATTERERS JUL 1961
BY KURSS H
MARCWITZ N
TRUXAL J G
WEBER, F. <P.I.>
DDC NR. 261387
CONTRACT NR. AF 18<600>-1505
PROJ/TASK NR. 4751

AFOSR 1141
CALIFORNIA UNIV OF BERKELEY
A DISCRETE COMPENSATOR FOR SAMPLED-DATA SYSTEMS USING MAGNETIC CORES AS STORAGE ELEMENTS MAY 1961
BY LANDARIS G. G. JURY, E. I.<P.I.>
DDC NR. 264355
CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR 1142
MINNESOTA UNIV OF MINNEAPOLIS
WEAK COMPLEXES OF THE SODIUM ION IN AQUEOUS SOLUTION STUDIED BY NUCLEAR SPIN RESONANCE
JACS 82 318-323 1960
BY JARDETZKY O WERTZ J E
DDC NR. 260868
CONTRACT NR. AF 18<603>-17
PROJ/TASK NR. 9777-37702

AFOSR 1143
MINNESOTA UNIV OF MINNEAPOLIS
ELECTRON SPIN RESONANCE STUDIES OF AUTOXIDATION OF 3 4-DIHYDROXYPHENYLALANINE
FREE RADICALS IN BIOL SYSTEMS ACADEMIC PRESS INC N Y 1961 PP 189-193
BY WERTZ J E REITZ D C DAVNIEKS F
DDC NR. 260870
CONTRACT NR. AF 18<603>-17
PROJ/TASK NR. 9777

AFOSR 1144
MINNESOAT UNIV OF MINNEAPOLIS
ELECTRON SPIN RESONANCE STUDIES OF SOME QUINONE REACTIONS
J CHEM PHYS 34 1457-1458 APR 1961
BY REITZ D C HOLLAHAN J R DRAVNIEKS F WERTZ J E
DDC NR. 260869
CONTRACT NR. AF 18<603>-17
PROJ/TASK NR. 9777-37702

AFOSR 1145
CALIFORNIA INST OF TECHNOLOGY PASADENA
A COMPARISON OF PHOTOELECTRIC AND PHOTOGRAPHIC SPECTROPHOTOMETRY
ANND ASTROPHYS 24.*509-515.* 1961
BY DEYZX*OGELSX*OF<L. G
DDC NR.
CONTRACT NR. AF 49<638>-21
PROJ/TASK NR. 9774-37663

AFOSR 1147
INST FOR ADVANCED STUDY, PRINCETON N J
ON STABILITY OF COMPACT SUBMANIFOLDS OF COMPLEX MANIFOLDS JUL 61
BY KODAIRA K. BENRLING A MORSE, M.<P.I.>
DDC NR. 261356
CONTRACT NR. AF 49<638>-253
PROJ/TASK NR. 9783-37727

AFOSR 1148
COLORADO UNIV OF BOULDER
BIREFRINGENCE IN A STRAINED VISCOELASTIC FLUID UNDER STEADY STATE ROTARY CONDITIONS II
J POLYMER SCI 57 251-262 1962
BY GILL, S J
DDC NR.
CONTRACT NR. AF 49<638>-310
PROJ/TASK NR. 9760-97601

AFOSR 1149
STANFORD UNIV, CALIF
MICROWAVE PROPERTIES OF CERAMIC NONLINEAR DIELECTRICS JUL 1961
BY JOHNSON D. A. CHODOROW, M.<P.I.>
DDC NR. 263393
CONTRACT NR. AF 49<638>-415
PROJ/TASK NR. 9768-37650

AFOSR 1150
COLUMBIA UNIV NY
OCT 1961 VIBRATIONS OF INFINITELY LONG CYLINDRICAL SHELLS UNDER INITIAL STRESS
BY ARMENAKAS A. E. HERRMANN G.
DDC NR. 265846
CONTRACT NR. AF 49<638>-430
PROJ/TASK NR. 9782-37717

AFOSR 1151
MICHIGAN UNIV OF ANN ARBOR
THE USE OF THE SHOCK TUBE AS A SPECTROSCOPIC SOURCE WITH AN APPLICATION TO THE MEASUREMENT OF GF-VALUES FOR LINES OF NEUTRAL AND SINGLY IONIZED CHROMIUM JUN 1961
BY WILKERSON T. LA PORTE, O.<P.I.>
DDC NR. 262100
CONTRACT NR. AF 49<638>-439
PROJ/TASK NR. 97671

AFOSR 1152
ROCHESTER UNIV OF N Y
CORRELATION IN THE FLUCTUATING OUTPUTS FROM TWO SQUARE LAW DETECTORS ILLUMINATED BY LIGHT OF ANY STATE OF COHERENCE AND POLARIZATION
PHYS REV 124.*1696-1702.* DEC 1961
BY MANDEL L. WOLF E. HOPKINS, R. E.<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-602
PROJ/TASK NR. 9768-37650

AFOSR 1153
RICE INST HOUSTON, TEX
THE DETERMINATION OF COEFFICIENTS IN PARABOLIC DIFFERENTIAL EQUATIONS BY MEASUREMENTS IN THE INTERIOR OF THE MEDIUM JUL 1961
BY JONES JR. B. F. JOHNSON G
DDC NR. 264427
CONTRACT NR. AF 49<638>-632
PROJ/TASK NR. 9752-37522

AFOSR 1154
RICE INST HOUSTON TEX
AN EXPLICIT FORMULA FOR AN UNKNOWN COEFFICIENT IN A PARABOLIC DIFFERENTIAL EQUATION, JUL 1961
BY JONES JR B. F. JOHNSON G.
DDC NR. 264428
CONTRACT NR. AF 49<638>-632
PROJ/TASK NR. 9752-37522

AFOSR 1155
RICE INST TEX
FURTHER RESULTS ON AN UNKNOWN COEFFICIENT IN A PARABOLIC DIFFERENTIAL EQUATION JUL 1961
BY JONES JR B. F. JOHNSON G.
DDC NR. 264429
CONTRACT NR. AF 49<638>-632
PROJ/TASK NR. 9752-37522

AFOSR 1159
MARYLAND UNIV OF COLLEGE PARK
STUDY OF DRAG OF CHARGED BODIES IN A PLASMA, FINAL REPORT MAY 1961
BY WALKER E. H.
DDC NR. 261570
CONTRACT NR. AF 49<638>-899
PROJ/TASK NR. 9781-37713

AFOSR 1160
TECHNISCHE HOCHSCHULE HANNOVER, GERM
MAR 1961 THIN-WALLED COMPRESSION MEMBERS
BY PFLUGER A
DDC NR. 262195
CONTRACT NR. AF 61<052>-365
PROJ/TASK NR. 9782-37717

AFOSR 1161
POLITECNICO DI TORINO ITALY
SIMULTANEOUS TRANSFER OF MOMENTUM HEAT AND MASS P III EVAPORATIVE COOLING AT HIGH SPEED
BY JARRE G FERRARI, C.<P.I.>
DDC NR. 262068
CONTRACT NR. AF 61<052>-208
PROJ/TASK NR. 9781-37713

AFOSR 1162
POLITECNICO DI TORINO ITALY
RESEARCH PERFORMED AT THE INSTITUTE OF APPLIED MECHANICS OF THE POLITECNICO TORINO ON MOMENTUM HEAT AND MASS TRANSFER AND ON FREE MOLECULAR FLOW FINAL REPORT 1961
BY FERRARI C
DDC NR. 262067
CONTRACT NR. AF 61<052>-208
PROJ/TASK NR. 9781-37713

AFOSR 1163
WEIZMANN INST OF SCI REHOVOTH ISRAEL
LINEAR RESPONSE FUNCTION OF A MANY FERMION SYSTEM MAY 1961
BY GLICK A J DE SHALIT A LIPKIN H J
DDC NR. 262092
CONTRACT NR. AF 61<052>-337
PROJ/TASK NR. 9750-37500

AFOSR 1164
WEIZMANN INST OF SCI REHOVOTH ISRAEL
ANALYTIC STRUCTURE OF MANY BODY PERTURBATION THEORY MAY 1961
BY KATZ A DE SHALIT A LIPKIN H J
DDC NR. 262093
CONTRACT NR. AF 61<052>-337
PROJ/TASK NR. 9750-37500

AFOSR 1165
MARYLAND UNIV OF COLLEGE PARK
THE CONFIGURATION AVERAGE OF THE GROUND STATE ENERGY OF AN ISOTOPICALLY DISORDERED LATTICE INCLUDING THE CONTRIBUTION FROM CUBIC AND QUARTIC ANHARMONIC TERMS IN THE POTENTIAL ENERGY OF THE LATTICE APPLICATION TO A LINEAR CHAIN AND THE PARTICULAR CASE OF A HYDROGEN-DEUTERIUM MIXTURE JUL 1961
BY COLDWELLHORSFALL R A MARADUDIN A A MEYERS R D FERRELL R A
DDC NR. 261638
CONTRACT NR. AF 49<638>-399
PROJ/TASK NR. 9763-37631

AFOSR 1166
PRINCETON UNIV
A STUDY OF THE EQUATION WHICH DESCRIBES THE STRUCTURE OF OF WEAK NON-HUGONIOT SHOCK WAVES MAR 1961
BY SICHEL M BOGDONOFF, S.<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-37712

AFOSR 1167
UNIVERSIDAD DE LA REPUBLICA MONTEVIDEO URUGNAY
EVOKED RESPONSES IN M AN I PHOTIC RESPONSES
ACTA NEUROLOGICA LATINOAMERICANA 6 219 1960
BY VANZULLI A ROGACZ J HANDLER GARCIA-AUSTT F ARANO-INIGUEZ R
DDC NR.
CONTRACT NR. AF AFOSR-60-14
PROJ/TASK NR. 9777-37700

AFOSR 1168
UNIVERSIDAD DE LA REPUBLICA URUGUAY
EVOKED RESPONSES IN MAN. II. HABITUATION OF VISURAL EVOKED RESPONSE
ACTA NEUROL LATINEAMERICANA 6 353-362 1960
BY BOGACZ, J VANZULLI, A HANDLER, P GARCIA-AUSTT, E ARANA-INIGUIZ, R<P.I.
DDC NR.
CONTRACT NR. AF AFOSR-60-14
PROJ/TASK NR. 9777-37700

AFOSR 1169
POLYTECHNIC INST OF BROOKLYN N Y
THE MEASUREMENT OF ARIBTRARY LINEAR MICROWAVE TWO-PORTS JUL 1961
BY ALTSCHULER H M MARCXI.,ZS N. TRUXAL J G WEBER, E.<P.I.>
DDC NR. 264042
CONTRACT NR. AF 18<600>-1505
PROJ/TASK NR. 4751

AFOSR 1170
CALIFORNIA UNIV OF BERKELEY CALIF
A SIMPLIFIED STABILITY CRITERION FOR LINEAR DISCRETE SYSTEMS JUN 1961
PROC IRE 50.*1493-1500.* JUN 1962
BY JURY E. I.
DDC NR. 264678
CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR 1171
CALIFORNIA UNIV OF BERKELEY CALIF
SAMPLED DATA CONTROL SYSTEMS
ANNUAL REPORT COVERING RESEARCH FOR THE PERIOD OCTOBER 1, 1960 - SEPTEMBER 30, 1961
BY JURY E. I. DDC NR. 264680
CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR 1172
SOUTH CAROLINA UNIV OF COLUMBIA
NON-WAVEGUIDE TRANSMISSION OF MILLIMETER WAVES,* FINAL REPORT AUG 1961
BY FELLERS R. G. DDC NR. 262463
MOSELEY S. T. CONTRACT NR. AF 18<603>-43
LITMAN S. PROJ/TASK NR. 9768-37650

AFOSR 1173
AVCO-EVERETT RSCH LABORATORY EVERETT MASS
SHOCK WAVES IN COLLISION-FREE PLASMAS AUG 1961
ENTERMAT ATOMIC ENERGY MTG, SALZBURG, AUSTRIA SEP 1961
BY CAMAC M. DDC NR. 265454
KANTROWITZ A. R. CONTRACT NR. AF 49<638>-61
LITVAK M. M. PROJ/TASK NR. 9751-37510
PATRICK R. M.
PETSCHEK H. E.

AFOSR 1175
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
THE HALL EFFECT IN FERROMAGNETICS FINAL REPORT JUN 1961
BY PUGH E M DDC NR. 267112
CONTRACT NR. AF 49<638>-257
PROJ/TASK NR. 9760-37601

AFOSR 1176
CALIFORNIA UNIV OF BERKELEY
SIMPLIFICATION OF THE TWO-BODY UNITARITY RELATION
NUOVO CIMENTO <SUBMITTED>
BY FROISSART M DDC NR.
KARPLUS R CONTRACT NR. AF 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR 1177
OHIO STATE UNIV COLUMBUS
ELECTRICAL PROPERTIES OF HIGH-PURITY BORON JUL 1961
BY TAYLOR W J DDC NR. 265266
CHINTAKINDI R CONTRACT NR. AF 49<638>-424
GERHARD G PROJ/TASK NR. 9760-37601
THURSTON, M O

AFOSR 1178
POLYTECHNIC INST OF BROOKLYN N Y
PRACTICAL ASPECTS OF REENTRY PROBLEMS JUL 1961
BY FERRI A DDC NR. 262452
TING L CONTRACT NR. AF 49<638>-445
PROJ/TASK NR. 9781-37712

AFOSR 1179
MARYLAND UNIV OF COLLEGE PARK
GEOMAGNETICALLY TRAPPED PROTONS FROM COSMIC RAY ALBEDO NEUTRONS JUL 1961
J. GEOPH RESEARCH<SUBMITTED 67,*1263-1287,* APR 1962
BY LENCHEK A. M. DDC NR. 262797
SINGER S. F. CONTRACT NR. AF 49<638>-530
PROJ/TASK NR. 9774-37665

AFOSR 1180
ROCHESTER UNIV OF N Y
CONSISTENCY OF RAYLEIGH DIFFRACTION FORMULAS WITH KIRCHHOFF BOUNDARY CONDITIONS
J OPT SOC AMER 52,*336-337,* MAR 1962
BY MUKUNDA N. DDC NR.
WOLF E CONTRACT NR. AF 49<638>-602
JOPKINS R E<PI> PROJ/TASK NR. 9768-37650

AFOSR 1182
CORNELL UNIV ITHAC N Y
STUDIES ON PHOTOSYNTHETIC PROCESSES II ACTION SPECTRA AND QUANTUM REQUIREMENT FOR TRIPHOSPHOPYRIDINE NUCLEOTIDE REDUCTION AND THE FORMATION OF ADENOSINE TRIPHOSPHATE BY SPINACH CHLOROPLASTS
JBIOL CHEM 237 580-583 FEB 62
BY CLANTON C DDC NR. 295898
BLACK C CONTRACT NR. AF 49<638>-798
TURNER J F PROJ/TASK NR. 9777
GIBBS M
KROGMANN D W
GORDON S A

AFOSR 1184
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
ELECTRIC CONDUCTIVITY OF A HIGH TEMPERATURE PLASMA TO A RADIO WAVE JUL 1961
BY KOGA T DDC NR. 262680
CHUAN R L<PI> CONTRACT NR. AF 49<638>-831
PROJ/TASK NR. 9783-37725

AFOSR 1185
ARMOUR RSCH FOUND CHICAGO
STUDIES ON RADIATION-IMAGE DETECTORS JUL 1961
NUC ELECTRONICS 1 269-284 1962
BY REIFFEL L DDC NR.
SWENSON R CONTRACT NR. AF 49<638>-1010
WOLFE G PROJ/TASK NR. 9763-37631

AFOSR 1186
CALIFORNIA UNIV OF BERKELEY
THE SCATTERING OF MICROWAVES FROM MULTIPLE SPHERES JUN 1961
BY MOE K. A. DDC NR. 265754
ANGELAKOS D. J. CONTRACT NR. AF 49<638>-1043
WHINNERY J PROJ/TASK NR. 4751
PEDERSON D O<PI>

AFOSR 1187
CALIFORNIA UNIV OF BERKELEY
MICROWAVE PROPAGATION IN AROMATIC COMPOUNDS JUN 1961
BY KUSNEZOV N. DDC NR. 265790
WHINNERY J CONTRACT NR. AF 49<638>-1043
PEDERSON D O<PI> PROJ/TASK NR. 4751

AFOSR 1188
PENETRATION OF CHARGED PARTICLES IN MATTER PROCEEDINGS OF AN INFORMAL CONFERENCE GATLINBURG TENN SEP 1958
BY UFHLIN E A DDC NR.

AFOSR 1189
SEMICONDUCTOR NUCLEAR PARTICLE DETECTORS PROCEEDINGS OF AN INFORMAL CONFERENCE ASHEVILLE N C SEP 1960
BY DABBS J W T DDC NR.
WALTER F J CONTRACT NR.

AFOSR 1190
NEW YORK UNIV N Y
OPTICS OF FLAMES AND METHODS FOR THE STUDY OF OF REFRACTIVE INDEX FIELDS IN GASES JUN 1961
BY WEINBERG F J DDC NR. 260996
CONTRACT NR. AF 49<638>-976
CAMPBELL E S<PI> CONTRACT NR. AF 61<514>1013
PROJ/TASK NR. 9751-37510

AFOSR 1191
COUNCIL FOR INTERNATIONAL ORGANIZATION OF MEDICAL SCIENCES
PARIS FRANCE
BRAIN MECHANISMS AND LEARNING A SYMPOSIUM
BLACKWELL SCIENTIFIC PUBLICATION
BY FESSARD A DDC NR. 262096
GERARD R W CONTRACT NR. AF 61<052>-207
KONORSKI J PROJ/TASK NR. 9777-37700
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BY LARDNER T. J. DDC NR. 263855
POHLE F. V. CONTRACT NR. AF 49(638)-302
ERINGEN A C<PI> PROJ/TASK NR. 9782-97717

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ILLINOIS UNIV OF URBANA
KINETIC THEORY OF DISLOCATION CLIMB PART II
STEADY STATE EDGE DISLOCATION CLIMB AUG 1961
J APPL PHYS 33 817-826 MAR 1962
BY THOMSON R M DDC NR.
BALLUFFI R W CONTRACT NR. AF 49(638)-819
PROJ/TASK NR. 9760-97601

AFOSR 1278
ILLINOIS UNIV URBANA
KINETIC THEORY OF DISLOCATION CLIMB PART I
GENERAL MODELS FOR EDGE AND SCREW DISLOCATIONS AUG 1961
J APPL PHYS 33 [illegible]-816 MAR 1962
BY THOMSON R M DDC NR.
BALLUFFI R W CONTRACT NR. AF 49(638)-819
PROJ/TASK NR. 9760-97601

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GENERALIZED ELECTROMAGNETIC FIELD OF THE
RAIL TYPE ACCELERATOR JUN 1961
BY CLINGMAN D. L. DDC NR.
ROSEBROCK T. L. CONTRACT NR. AF 49(638)-864
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THEORY
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PROBABILITY PURDUE UNIV NOV 1960
BY BALMAN B F DDC NR. 262281
LEFSCHETZ S CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-97726

AFOSR 1282
WEIZMANN INST OF SCIENCE REHOVOTH ISRAEL
EXISTENCE OF INVARIANT MEASURES FOR MARKOV PROCESS APR 1961
BY FOGUEL S. R. DDC NR. 264005
AARON S. CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-97522

AFOSR 1283
WEIZMANN INST OF SCIENCE REHOVOTH ISRAEL
SOME PROBABILISTIC THEOREMS ON
STOPPING TIME APPROXIMATIONS MAY 1961
BY KRATZER H DDC NR. 264006
AARON S. CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-97522

AFOSR 1284
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BY JOSEFSSON J O DDC NR. 262293
THESLEFF S CONTRACT NR. AF 61(052)-106
PROJ/TASK NR. 9777-97709

AFOSR 1285
IST NAZIONALE DI OTTICA ITALY
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RESPONSES RECORDED FROM HUMAN EYE
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BY NICOLETTI I DDC NR. 262268
RONCHI L CONTRACT NR. AF 61(052)-80
PROJ/TASK NR. 9777-97701

AFOSR 1286
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ON THE INDIVIDUAL DIFFERENCES IN THE RECOVERY AFTER GLARE
ATTI D FONDAZIONE GIORGIO RONCHI 15 642-648 NOV DEC 1960
BY SALVI G DDC NR. 262269
VENTURI G CONTRACT NR. AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR. 9777-97701

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ATTI D FONDAZIONE GIORGIO RONCHI 15 595-605 NOV-DEC 1960
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TORALDO DI FRANCIA G CONTRACT NR. AF 61(052)-80
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AFOSR 1288
IST NAZIONALE DI OTTICA ITALY
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ATTI D FONDAZIONE GIORGIO RONCHI 15 606-612 NOV-DEC 1960
BY BITTINI, M DDC NR. 262271
TORALDO DI FRANCIA G CONTRACT NR. AF 61(052)-80
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AFOSR 1289
IST NAZIONALE DI OTTICA ITALY
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ATTI D FONDAZIONE GIORGIO RONCHI 15 618-633 NOV-DEC 1960
BY FIORENTINI A DDC NR. 262272
ERCOLES A M CONTRACT NR. AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR. 9777-97701

AFOSR 1290
CHICAGO UNIV OF ILL
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JOHN WILEY & SONS 1959 PP 259-278
BY NEFF W D DDC NR.
CONTRACT NR. AF 49(638)-925
PROJ/TASK NR. 9778-97709

AFOSR 1291
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TWO TRANSMISSION SYSTEMS FOR SKIN SENSATIONS
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JOHN WILEY PP 479-496
BY WALL P D DDC NR.
WIESNER J B CONTRACT NR. DA 36-039-SC-78108
PROJ/TASK NR. 4791

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GENICULATE BODY OF THE RABBIT
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1961 PP 521-546
BY ARDEN G B DDC NR.
SODERBERG U CONTRACT NR. AF 61(052)-119
PROJ/TASK NR. 9777-97709

AFOSR 1296
NAPLES UNIV ITALY
THE IMITATION OF NATURAL AUTOMATA THREE PORTRAITS OF
A BRAIN
RIV METODOS 11 1-6 1959
BY BRAITENBERG V DDC NR. 262292
CONTRACT NR. AF 61(052)-96
PROJ/TASK NR. 9777-97709

AFOSR 1295
NAPLES UNIV ITALY
OUTLINE OF A THEORY OF THOUGHT-PROCESSES AND
THINKING MACHINES
J THEOR BIOL 2 204-235 1961
BY CATANIELLO P R DDC NR. 262291
BRAITENBERG V CONTRACT NR. AF 61(052)-96
PROJ/TASK NR. 9777-97709

AFOSR 1296
NAPLES UNIV ITALY
FUNCTIONAL INTERPRETATION OF CEREBELLAR HISTOLOGY
NATURE 190 539-540 1961
BY BRAITENBERG V DDC NR. 262293
CONTRACT NR. AF 61(052)-96
PROJ/TASK NR. 9777-97709

AFOSR 1303
BROWN UNIV PROVIDENCE R I
CONTINUUM RADIATION FROM IONIZED RARE GASES
IN REFLECTED SHOCK WAVES AUG 1961
BY MIES F. W. DDC NR. 263792
GREENE E F<PI> CONTRACT NR. AF 49<638>-167
PROJ/TASK NR. 9751-37510

AFOSR 1304
BROWN UNIV PROVIDENCE R I
A KINETIC STUDY OF THE FORMATION AND REACTION OF
CN MOLECULES IN SHOCK WAVES AUG 1961
BY PATTERSON JR. W. L. DDC NR. 263793
GREENE E. F. CONTRACT NR. AF 49<638>-167
PROJ/TASK NR. 9751-37510

AFOSR 1305
BROWN UNIV PROVIDENCE R I
CHEMICAL REACTIONS IN SHOCK WAVES AUG 1961 FINAL REPORT
BY GREENE E. F. DDC NR. 263795
CONTRACT NR. AF 49<638>-167
PROJ/TASK NR. 9751-37510

AFOSR 1308
OHIO STATE UNIV COLUMBUS O
ELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS AUG 1961
BY KREYSZIG F DDC NR.
CONTRACT NR. AF 49<638>-362
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AFOSR 1309
ILLINOIS UNIV OF URBANA
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BY JOHNSON K A DDC NR. 263898
WAYMAN C M CONTRACT NR. AF 49<638>-420
READ T A PROJ/TASK NR. 9760-37601

AFOSR 1310
POLYTECHNIC INST OF BROOKLYN N Y
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BY YU Y. Y. DDC NR. 289871
CONTRACT NR. AF 49<638>-453
PROJ/TASK NR. 9782-37717

AFOSR 1311
COLUMBIA UNIV N Y
ELECTRON SPIN RESONANCE STUDIES OF ELECTROLYTICALLY
REDUCED TETRACYANOETHYLENE DERIVATIVES
JACS 83 3918-3919 SEP 1961
BY RIEGER P H DDC NR.
BERNAL I CONTRACT NR. AF 49<638>-520
FRAENKEL G K PROJ/TASK NR. 9763-37630

AFOSR 1313
TEXAS A&M. COLLEGE STATION
THE FRANCK-CONDON PRINCIPLE AND THE STRUCTURES OF
J MOL SPECT 8.*285-299.* APR 1962
BY COON J. B. DDC NR.
DEWAMES R. E. CONTRACT NR. AF 49<638>-593
LOYD C. M. PROJ/TASK NR. 9751-37511

AFOSR 1315
YALE UNIV NEW HAVEN CONN
SCATTERING OF U MESONS FROM THE NUCLEI OF
BROMINE AND SILVER
PHYS REV 124.*1978-1981.* DEC 1961
BY RAWITSCHER G. H. DDC NR.
BREIT G<PI> CONTRACT NR. AF 49<638>-752
PROJ/TASK NR. 9750-37500

AFOSR 1316
YALE UNIV NEW HAVEN CONN
REVISED CALCULATIONS ON THE PHOTODISINTEGRATION
OF THE DEUTERON
PHYS REV 124 1538-1540 DEC 1961
BY ZICKENDRAHT W DDC NR.
ANDREWS D J CONTRACT NR. AF 49<638>-752
RUSTGI M L PROJ/TASK NR. 9750-37500
ZERNICK W
TORRUELLA A J
BREIT G

AFOSR 1317
GIANNINI CONTROLS CORP DUARTE. CALIF
DECAY-DAMPING RELATIONSHIPS FOR HIGHLY COUPLED SYSTEMS WITH
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BY FONDA A. G. DDC NR. 265167
ZISFEIN M. B. CONTRACT NR. AF 49.638#-1015
PROJ/TASK NR. 9782-37718

AFOSR 1318
YALE UNIV NEW HAVEN CONN
PHOTODISINTEGRATION OF POLARIZED AND
ALIGNED DEUTERONS
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BY ZICKENDRAHT W. DDC NR.
ANDREWS D. J. CONTRACT NR. AF AFOSR 61-23
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AFOSR 1320
KENTUCKY UNIV OF LEXINGTON
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DIMETHYLFORMAMIDE-SULFUR DIOXIDE REAGENT
J ONG- CHEM 27 676 1962
BY SMITH W T DDC NR.
CONTRACT NR. AF 49<638>-49
PROJ/TASK NR. 9760-37600

AFOSR 1321
NORTHWESTERN UNIV EVANSTON ILL
SYNTHESIS AND ISOMERIZATION OF NITRITOPENTAMMINE COMPLEXES
OF RHODIUM III IRIDIUM III AND PLATINUM IV
INORG CHEM U 1-5 FEB 1962
BY BASOLO F DDC NR.
HAMMAKER G S CONTRACT NR. AF 49<638>-315
PROJ/TASK NR. 9760-37600

AFOSR 1323
YALE UNIV NEW HAVEN CONN
IRREDUCIBLE REPRESENTATIONS OF MAGNETIC GROUPS JUL 1961
J PHYS CHEM SOL 23 729 741 JUN 1962
BY DIMMOCK J O DDC NR. 264177
WHEELER R G CONTRACT NR. AF 49<638>-503
PROJ/TASK NR. 9760-37601

AFOSR 1326
CINCINNATI UNIV OF O
THE RATE OF REACTION OF HEXYNE 1 WITH SUBSTITUTED
PHENYLMAGNESIUM BROMIDES
J ORG CHEM 26 3519-3520 1961
BY DESSY R F DDC NR.
SALINGER. R M CONTRACT NR. AF 49<638>-824
PROJ/TASK NR. 9760-37600

AFOSR 1327
COLORADO UNIV OF BOULDER
2ND INTERNATIONAL CONFERENCE ON THE PHYSICS OF
ELECTRONIC AND ATOMIC COLLISIONS
UNIV OF COLORADO JUN 1961
WA BENJAMIN INC. N Y 1961
BY DDC NR.
CONTRACT NR. MIPR 61-10
PROJ/TASK NR. 9751-37511

AFOSR 1328
INST MAREY FRANCE
SENSORY PROJECTIONS TO THE MOTOR CORTEX IN CATS
A MICROELECTRODE STUDY
SENSORY COMMUNICATION MIT PRESS AND JOHN WILEY & SONS
1961 PP 607-626
BY BUSER P DDC NR.
IMBERT M CONTRACT NR. AF 61<052>-103
PAILLARD J PROJ/TASK NR. 9777-37700

AFOSR 1329
MASSACHUSETTS GENERAL HOSPITAL BOSTON
THE REACTIVITY OF THE NERVOUS SYSTEM IN THE LIGHT OF THE
PAST HISTORY OF THE ORGANISM
SENSORY COMMUNICATION MIT PRESS AND JOHN WILEY & SONS
1961 PP 699-716
BY BRAZIER M A B DDC NR.
KILLAM K F CONTRACT NR. AF 49<638>98
CONTRACT NR. DA 36-039-SC-78108
HANCE A J PROJ/TASK NR. 9777-37701

AFOSR 1330
CALIFORNIA INST OF TECHNOLOGY
THE INCOHERENT SCATTERING OF ELECTROMAGNETIC
WAVES BY FREE ELECTRONS AUG 1961
BY PAPAS C. H. DDC NR. 266260
LEE K. S. H. CONTRACT NR. AF 18<600>-1113
PROJ/TASK NR. 9768-37650

AFOSR 1331
MARYLAND UNIV OF COLLEGE PARK
THEORY OF SPIN WAVE INTERACTIONS IN FERROMAGNETISM JUL 1961
BY GREENBERG N I DDC NR. 263805
MEYERS R D CONTRACT NR. AF 49<638>-399
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AFOSR 1332
CORNELL UNIV ITHACA NY
THEORY OF VISCOUS MAGNETOGASDYNAMIC FLOW IN SLOWLY DIVERGING
TWO-DIMENSIONAL CHANNELS SEP 1961
BY SONNERUP B. U. O. DDC NR. 265103
SEARS W. R. <P.I.> CONTRACT NR. AF 49.638#-544
PROJ/TASK NR.

AFOSR 1333
COLORADO UNIV OF BOULDER
THE INTERACTION OF PARAMAGNETIC IONS AND
ALUMINUM NUCLEI IN RUBY JUL 1961
BY VERBER C M DDC NR. 267071
TANTTILA W H CONTRACT NR. AF 49<638>-611
PROJ/TASK NR. 9763-37631

AFOSR 1334
WASHINGTON UNIV ST LOUIS MO
THEORY OF RESONANCE ABSORPTION OF ENERGY BY A
ROTATING SOLID
PHYS REV 123 835-852 AUG 1961
BY DREITLEIN J DDC NR.
KESSEMEIER H CONTRACT NR. AF 49<638>-808
NORBERG R E PROJ/TASK NR. 9760-37601

AFOSR 1335
UTAH UNIV OF SALT LAKE CITY
IONIZATION WAVES FROM FREE SURFACES OF
DETONATING EXPLOSIVES SEP 1961
BY BAUER A. DDC NR. 266788
COOK M. A. CONTRACT NR. AF 18<603>-100
ROGERS L. A. PROJ/TASK NR. 9751-37511

AFOSR 1336
NORTHWESTERN UNIV EVANSTON ILL
REVERSION AND REFORMATION OF GP I IN AL-1 7 AT CU AUG 1961
TRANS METALL SOC AIME 224 503-505 JUN 1962
BY HERMAN H DDC NR.
FINE M E CONTRACT NR. AF 49<638>-524
PROJ/TASK NR. 9760-37601

AFOSR 1338
CALIFORNIA UNIV OF BERKELEY
CONFERENCE ON STRONG INTERACTIONS. UNIVERSITY OF
CALIFORNIA BERKELEY DEC 1960
REV MOD PHYS V.33. JULY 1961
BY DDC NR. 262509
CONTRACT NR. AF 49<638>-983
PROJ/TASK NR.

AFOSR 1339
AARHUS UNIV DENMARK
JUN 1961 ON THE RATE OF GROWTH OF THE PARTIAL MAXIMA OF A
SEQUENCE OF INDEPENDENT. IDENTICALLY DISTRIBUTED RANDOM
VARIABLES
BY BARNDORFF-NIELSEN DDC NR.
ANDERSEN E. S. <P.I.> CONTRACT NR. AF 61<052>-42
PROJ/TASK NR. 9769-37658

AFOSR 1340
UPPSALA UNIV OF SWEDEN
A FLASH PHOTOLYSIS STUDY OF FLUORESCEIN
ARKIV FOR KEMI 16 79-138 1960
BY LINDQVIST L
DDC NR.
CONTRACT NR. AF61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR 1341
AMERICAN INST FOR RSCH PITTSBURGH PA
SOME EFFECTS OF GRADUATED PARTIAL CUEING ON THE LEARNING OF PAIRED ASSOCIATES SEP 1961
BY GUTHRIE P M
LUMSDAINE A A
DDC NR. 275851
CONTRACT NR. AF 49<638>-681
PROJ/TASK NR. 9778-37706

AFOSR 1342
AMERICAN INST FOR RSCH PITTSBURGH PA
A STUDY OF SUBJECT CONTROLLED PARTIAL CUEING IN PAIRED ASSOCIATE LEARNING SEP 1961
BY ANGELL D
LUMSDAINE A A
DDC NR. 2[illegible]70
CONTRACT NR. [illegible]49<638>-681
PROJ/TASK NR. [illegible]778-37706

AFOSR 1343
AMERICAN INST FOR RSCH PITTSBURGH PA
THE EFFECTS OF PROMPTING TRIALS AND PARTIAL CORRECTION PROCEDURES ON LEARNING BY ANTICIPATION SEP 1961
BY ANGELL D
LUMSDAINE A A
DDC NR. 264969
CONTRACT NR. AF 49<638>-681
PROJ/TASK NR. 9778-37706

AFOSR 1344
CALIFORNIA UNIV OF LOS ANGELES
OPTICAL MODEL ANALYSIS OF ELASTIC SCATTERING OF PROTONS ON CARBON AT INTERMEDIATE ENERGIES
PHYS REV 125.•975-987.• FEB 1962
BY NODVIK J. S.
DUKE C. B.
MELKANOFF M. A.
SAXON D S<PI>
DDC NR.
CONTRACT NR. AF 49<638>717
PROJ/TASK NR. 9750-37500

AFOSR 1345
MARYLAND UNIV OF COLLEGE PARK
PITCH ANGLE DIFFUSION IN A MAGNETIC MIRROR GEOMETRY JUL 1961
BY WENTWORTH R. C.
MACDONALD W. M.
SINGER S F<PI>
DDC NR. 263807
CONTRACT NR. AF 49<638>530
PROJ/TASK NR. 9774-37665

AFOSR 1346
WASHINGTON UNIV ST LOUIS MO
POLARIZATION OF SPIN ONE PARTICLES SCATTERED FROM SPIN ZERO NUCLEI AUG 1961
BY WESOLOWSKI J
SHULL F B
POND T A
DDC NR. 264836
CONTRACT NR. AF 49<638>-843
PROJ/TASK NR. 9751-37512

AFOSR 1348
UNIV OF CALIFORNIA BERKELEY
CORRELATION PROCESSES IN ANTENNA ARRAYS. PART II JUN 1961
BY LINDER I. W.
WHINNERY J
PEDERSON D O<PI>
DDC NR. 267894
CONTRACT NR. AF 49<638>-1043
PROJ/TASK NR. 4751

AFOSR 1349
NORTH CAROLINA UNIV OF CHAPEL HILL
RENORMALIZATION OF QUANTUM ELECTRODYNAMICS IN A CLASSICAL GRAVITATIONAL FIELD JUL 1961
PHYS REV 125.•1727-1740.• MAR 1962
BY UTIYAMA R
DDC NR. 269909
CONTRACT NR. AF-AFOSR-61-72
PROJ/TASK NR. 9774-37665

AFOSR 1350
STANFORD UNIV CALIF
DIRECT OBSERVATION OF MICROWAVE-FREQUENCY BEATS DUE TO PHOTOMIXING OF RUBY-OPTICAL-MASER MODES AUG 1961
BY MCMURTRY B. J.
STEGMAN A. E.
BUNEMAN O<PI>
DDC NR. 264455
CONTRACT NR. AF 49<638>-660
PROJ/TASK NR. 9768-37650

AFOSR 1351
CALIFORNIA INST OF TECHNOLOGY PASADENA
DEUTERONOMY. SYNTHESIS OF DEUTERONS AND THE LIGHT NUCLEI DURING THE EARLY HISTORY OF THE SOLAR SYSTEM
AMER J PHYS 29.•393-403.• JUL 1961
BY GREENSTEIN J. L.
FOWLER W. A.
HOYLE F
DDC NR.
CONTRACT NR. AF 49<638>21
PROJ/TASK NR. 9774-37663

AFOSR 1352
CALIFORNIA UNIV OF. LOS ANGELES
AUG 1961 EFFICIENCY PROBLEMS IN REGRESSION ESTIMATES
BY HOEL P. G.
DDC NR.
CONTRACT NR. AF AFOSR 60-24
PROJ/TASK NR. 9752-37522

AFOSR 1353
ILLINOIS INST OF TECHNOLOGY CHICAGO ILL
ELECTRONIC ENTROPY IN LIQUID METAL SOLUTION THESIS JAN 1962
BY WEBBER L M
EDWARDS R K
DDC NR. 282435
CONTRACT NR. AF 49<638>-346
PROJ/TASK NR. 9762-37621

AFOSR 1354
TECHNISCHE HOCHSCHULE. VIENNA. AUSTINA
CONDUCT THEORETICAL AND EXPERIMENTAL INVESTIGATIONS ON THE AERODYNAMICS OF THE MIXING OF COOLING AIR WITH COMBUSTION PRODUCTS IN A COMBUSTION CHAMBER FINAL REPORT 4UN 1961
BY ROGNER W
DDC NR. 264082
CONTRACT NR. AF 61<052>385
PROJ/TASK NR. 9751-37510

AFOSR 1356
DUKE UNIV DURHAM N C
ASYMMETRY OF CYCLOTRON RESONANCE LINES IN THE REACTION ZONES OF LOW-PRESSURE ACETYLENE AND CYANOGEN FLAMES 1961
INDUKE U MICROWAVE LAB RPT NR 33
BY BULEWICZ E M
PADLEY P. J.
GORDY W<PI>
DDC NR.
CONTRACT NR. AF 49<638>-765
PROJ/TASK NR. 9768-37650

AFOSR 1357
DUKE UNIV DURHAM N C
ESR SPECTRA OF A GAMMA-IRRADIATED SINGLE CRYSTAL OF DL-SERINE 1961
IN DUKE U MICROWAVE LAB RPT NR 33
BY NARASIMHA RAO D. V. G
GORDY W
DDC NR.
CONTRACT NR. AF 49<638>-765
PROJ/TASK NR. 9768-37650

AFOSR 1358
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE OF AN IRRADIATED SINGLE CRYSTAL OF UREA OXALATE 1961
INDUKE MICROWAVE LAB RPT NR 33
BY NARASIMHA RAO D. V. GDDC NR.
GORDY W
CONTRACT NR. AF 49<638>-765
PROJ/TASK NR. 9768-37650

AFOSR 1359
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE INVESTIGATIONS OF THE PROTEINS 1961
IN DUKE MICROWAVE LAB RPT NR 33
BY GORDY W
DDC NR.
CONTRACT NR. AF 49<638>-765
PROJ/TASK NR. 9768-37650

AFOSR 1360
AEROCHEM RSCH LABORATORIES. INC. PRINCETON. N J
GENERATION OF SUPERSONIC DISSOCIATED AND IONIZED NON-EQUILIBRIUM STREAMS ENERGY UTILIZATION AND THE DETERMINATION OF ATOM CONCENTRATIONS JUL 1961
BY ROSNER D. E.
CALCOTE H. F.
DDC NR. 264973
CONTRACT NR. AF 49<638>-300
PROJ/TASK NR. 9752-37521

AFOSR 1362
RAND CORP SANTA MONICA. CALIF
SIX TASKS IN COMPUTATIONAL LINGUISTICS OCT 1961
BY HARPER K. E.
HAYS. D. G.
WORTH. D. S.
ZIEHE T. W.
DDC NR. 264769
CONTRACT NR. AF 49<638>-737
PROJ/TASK NR. 9769-37659

AFOSR 1364
KANSAS UNIV OF LAWRENCE
COMPOSITION DEPENDENCE OF THE THERMAL CONDUCTIVITY OF REGULAR SOLUTIONS
J CHEM PHYS 34 264-265 JAN 1961
BY BEARMAN R J
VAIDHYANATHAN V S
DDC NR.
CONTRACT NR. AF AFOSR-61-7
PROJ/TASK NR. 9763-37630

AFOSR 1365
NEW HAMPSHIRE UNIV OF DURHAM
ELECTROPHILIC DISPLACEMENT REACTIONS XIII THE KINETICS OF THE PHENYLMERCURIDEBORONATION OF BENZENEBORONIC ACID
JACS 84 377-382 FEB 1962
BY KUIVILA H G
MULLER T C
DDC NR.
CONTRACT NR. AF 49<638>-312
PROJ/TASK NR. 9760-37600

AFOSR 1366
CORNELL UNIV ITHACA N Y
MASS SPECTROMETRIC STUDY OF THE REACTIONS OF BF 3 G WITH BCI 3 G B OH 3 G AND B 2 03 1
J CHEM PHYS 36 2104 2108 APR 1962
BY PORTER R F
BIDINOSTI D R
WATTERSON K F
DDC NR.
CONTRACT NR. AF AFOSR-60-25
PROJ/TASK NR. 9763-37630

AFOSR 1367
KANSAS UNIV OF LAWRENCE
ON THE MOLECULAR BASIS OF SOME CURRENT THEORIES OF DIFFUSION
J PHYS CHEM 65 1961-1968 NOV 1961
BY BEARMAN R J
DDC NR.
CONTRACT NR. AF AFOSR-61-7
PROJ/TASK NR. 9763-37630

AFOSR 1368
KENTUCKY UNIV OF LEXINGTON
STERIC EFFECTS IN THE ADDITION OF GRIGNARD REAGENTS TO N-SULFINYLAMINES
J ORG CHEM 27 692 1962
BY SMITH W T
DDC NR.
CONTRACT NR. AF 49<638>-49
PROJ/TASK NR. 9760-37600

AFOSR 1369
MONTEVIDEO UNIV URUGUAY
CHANGES ON EEG BACKGROUND ACTIVITY DURING PHOTIC HABITUATION IN MAN
ACTA NEUROL LATINOAMER 7 82-90 1961
BY GARCIA-AUSTT E
BOGACZ J
VANZULLI A
ARAMA-INIGUEZ R
DDC NR.
CONTRACT NR. AF AFOSR-61-65
PROJ/TASK NR. 9777-37700

AFOSR 1370
RIAS INC BALTIMORE MD
ASYMPTOTIC BEHAVIOR OF THE SOLUTIONS OF DIFFERENTIAL-DIFFERENCE EQUATIONS
BY HALE J K
LEFSCHETZ S
DDC NR. 264605
CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9783-37726

AFOSR 1371
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE CORRELATION OF SOLVENT EFFECTS ON THE STEREOSELECTIVITIE
DIELS ALDER REACTIONS BY MEANS OF LINEAR FREE ENERGY
RELATIONSHIP A NEW EMPIRICAL MEASURE OF SOLVENT POLARITY
JACS 84 297 306 JAN 1962
BY BRUSON JA — DDC NR. — CONTRACT NR. AF 49(638)-828 — PROJ/TASK NR. 9760-37600

AFOSR 1372
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
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BY BRUSON J A; EVLETH EM — DDC NR. — CONTRACT NR. AF 49(638)-828 — PROJ/TASK NR. 9760-37600

AFOSR 1375
CALIFORNIA UNIV OF BERKELEY
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BY BROCKLEHURST R; PIMENTEL G C — DDC NR. 274798 — CONTRACT NR. AF 49(638)-944 — PROJ/TASK NR. 9760-37600

AFOSR 1376
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IONS SPUTTERED FROM COPPER SEP 1961
J APPL PHYS 33 880-888 MAR 1962
BY BRADLEY R C; RUEDL E — DDC NR. — CONTRACT NR. AF 49(638)-748 — PROJ/TASK NR. 9761-37611

AFOSR 1378
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A THEORETICAL INVESTIGATION OF HYDROGEN-AIR REACTIONS
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BY LIBBY P. A.; PERGAMENT H.; BLOOM M. H.; PERRI A(PI) — DDC NR. 266515 — CONTRACT NR. AF 49(638)-991 — PROJ/TASK NR. 9751-37510

AFOSR 1380
NEW YORK UNIV N Y
THE INITIAL VALUE PROBLEM, SOUND PROPAGATION,
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BY SIROVICH L; GRAD H. — DDC NR. 266889 — CONTRACT NR. AF 49(638)-1006 — PROJ/TASK NR. 9781-37713

AFOSR 1381
MARYLAND UNIV OF COLLEGE PARK
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AFOSR 1382
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AFOSR 1386
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BY BROWN, A — DDC NR. 272039 — CONTRACT NR. AF 61(052)-40 — PROJ/TASK NR. 9762-37621

AFOSR 1389
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BY BLANKENBECLER R — DDC NR. 266805 — CONTRACT NR. AF 49(638)-500 — PROJ/TASK NR. 9750-37500

AFOSR 1386
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BY WESTFOLD, L. — DDC NR. 266125 — CONTRACT NR. AF 49(638)-342 — PROJ/TASK NR. 9776-37665

AFOSR 1387
UPPSALA UNIV OF SWEDEN
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BY RUNDQVIST S; NAGG G — DDC NR. 272928 — CONTRACT NR. AF 61(052)-40 — PROJ/TASK NR. 9762-37621

AFOSR 1388
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
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BY MELZACK R — DDC NR. — CONTRACT NR. AF 49(638)-890 — PROJ/TASK NR. 9777-377000

AFOSR 1389
HARVARD UNIV CAMBRIDGE MASS
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J PHYSIOL 1960 154 572-580
BY HUBEL D H; WIESEL T N — DDC NR. — CONTRACT NR. AF 49(638)-719 — PROJ/TASK NR. 9777-37700

AFOSR 1390
CHICAGO UNIV OF ILL
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BY TOWER J; LANDAHL H L — DDC NR. — CONTRACT NR. AF 49(638)-414 — PROJ/TASK NR. 9777-37700

AFOSR 1391
PITTSBURGH UNIV OF PA
MAGNETIC STUDIES OF SOME INTERMETALLIC COMPOUNDS BETWEEN
COBALT AND THE LANTHANIDE ELEMENTS
J APPL PHYS 33 1515 1517 APR 1962
BY CHERRY L V; WALLACE W F — DDC NR. — CONTRACT NR. AF 49(638)-970 — PROJ/TASK NR. 9761-37630

AFOSR 1392
ILLINOIS UNIV OF URBANA
FINE STRUCTURE IN THE ABSORPTION EDGE OF THE SILVER
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J PHYS CHEM SOL 22 101 107 1961
BY BROWN F C; YASUMI T; TIPPINS H H — DDC NR. — CONTRACT NR. AF 49(638)-579 — PROJ/TASK NR. 9760-37601

AFOSR 1393
ILLINOIS UNIV OF URBANA
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BY ASCARELLI G; RODRIGUEZ S; BROWN F C(PRIN) — DDC NR. — CONTRACT NR. AF 49(638)-579 — PROJ/TASK NR. 9760-37601

AFOSR 1394
PITTSBURGH UNIV OF PA
ON INTERMEDIATE PHASES IN LANTHANON-MANGANESE SYSTEMS
J APPL PHYS 33 1619-1621 APR 1962
BY CHERRY L V; WALLACE W F — DDC NR. — CONTRACT NR. AF 49(638)-970 — PROJ/TASK NR. 9761-37630

AFOSR 1395
MINNESOTA UNIV OF MINNEAPOLIS
JUL 1961 THE STUDY OF PROCESSES IN GASEOUS PLASMAS WITH THE
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BY MADSON, J. M.; OSKAM, H. J. — DDC NR. 269228 — CONTRACT NR. AF 49(638)-378 — PROJ/TASK NR. 9768-37640

AFOSR 1396
WASHINGTON UNIV ST LOUIS, MO
THEORETICAL AND EXPERIMENTAL STUDIES IN NUCLEAR PHYSICS
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BY SHULL, F. B.; CONDON, E. U.(PRIN) — DDC NR. — CONTRACT NR. AF 18(603)-108 — PROJ/TASK NR. 9751-37512

AFOSR 1397
MINNESOTA UNIV OF MINNEAPOLIS
MEASUREMENT OF HEAT TRANSFER FROM A CIRCULAR CYLINDER TO AN
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LAYER AUG 1961
BY TEWFIK, O. E.; ECKERT, E. R. G.; JUREWICZ, L. S. — DDC NR. 266568 — CONTRACT NR. AF 49(638)-458 — PROJ/TASK NR. 9781-37712

AFOSR 1398
STANFORD UNIV CALIF
PARTICLE THEORY APPROACH TO THE TWO-PION AND THREE-PION
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PHYS REV 125 777-781 JAN 1962
BY SCHIFF, L. I. — DDC NR. 264806 — CONTRACT NR. AF 49(638)-500 — PROJ/TASK NR. 9750-37500

AFOSR 1399
MARYLAND UNIV OF COLLEGE PARK
ELECTROSTATIC SCREENING OF BODIES IN SPACE SEP 1961
BY SINGER S. F.; WALKER F. H. — DDC NR. 263806 — CONTRACT NR. AF AFOSR 61-47 — PROJ/TASK NR. 9781-37713

AFOSR 1400
MARYLAND UNIV OF COLLEGE PARK
INTERACTION OF WEST FORD NEEDLES WITH THE EARTH-S MAGNETOS
PHERE SEP 1961
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BY SINGER S. F. — DDC NR. 263649 — CONTRACT NR. AF AFOSR 61-47 — PROJ/TASK NR. 9781-37713

AFOSR 1401
CORNELL UNIV ITHACA NY
THE INTERSTELLAR ABUNDANCE OF THE HYDROGEN MOLECULE AUG 61
BY GOULD, R. J.; GOLD, T.(PRIN) — DDC NR. 264676 — CONTRACT NR. AF 49(638)-919 — PROJ/TASK NR. 9768-37650

AFOSR 1402
MICHIGAN UNIV OF ANN ARBOR
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PROCESSING
HUMAN FACTORS SOCIETY CONF COLUMBUS, OHIO 13-15 SEP 61
BY EDWARDS W — DDC NR. — CONTRACT NR. AF 49(638)-769 — PROJ/TASK NR. 9778-37708

AFOSR 1409
WESTERN ONTARIO UNIV OF CAN
THE EFFECT OF VIRTUAL EXCIATION OF THE 2S STATE ON THE ELASTIC SCATTERING OF ELECTRONS BY ATOMIC HYDROGEN
PHYSICAL REVIEW 125 953-958 JAN 1962 HAS BEEN SUBMITTED
BY SMITH, K. DDC NR.
MCEACHRAN, R. P. CONTRACT NR. AF AFOSR-61-38
FRASER, P. A. PROJ/TASK NR. 9774-37663
NICHOLLS, R.W.<P,I.>

AFOSR 1404
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ON THE FORMULATION OF FINITE DIFFERENCE ANALOGUES OF THE DIRICHLET PROBLEM FOR POISSON-S EQUATION SEP 1961
BY BRAMBLE J H DDC NR. 263000
HUBBARD B F CONTRACT NR. AF 49(638)-220
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AFOSR 1405
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BY GILBERT R P DDC NR. 263809
WEINSTEIN A(P,I.> CONTRACT NR. AF 49(638)-220
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AFOSR 1406
SMITHSONIAN INST ASTROPHYSICAL OBSERVATORY CAMBRIDGE MASS
UPPER ATMOSPHERIC STELLAR IMAGE STUDY FINAL REPORT JUL 61
BY NIELSON, G. J. DDC NR.
HYNEK, J.A.<P,I.> CONTRACT NR. AF 49(638)-609
PROJ/TASK NR. 9774-37663

AFOSR 1407
ILLINOIS UNIV OF URBANA
PROPRIOCEPTION VARIABLES AS DETERMINERS OF ANTICIPATORY TIMING BEHAVIOR
HUMAN FACTORS 6 217-222 AUG 1962
BY ADAMS J A DDC NR.
CREAMER L R CONTRACT NR. AF 49(638)-371
PROJ/TASK NR. 9778-37706

AFOSR 1408
STANFORD UNIV CALIF
EXTRAPOLATION TO CUTS AND THE SCATTERING OF ELECTRONS AND POSITRONS AUG 1961
PHYS REV 125 1390-1399 FEB 1962
BY DRELL, S. D. DDC NR. 264804
PRATT, R. H. CONTRACT NR. AF 49(638)-388
SCHIFF, L.I.<P,I.> PROJ/TASK NR. 9750-37500

AFOSR 1409
STANFORD UNIV CALIF
AUG 1961 NON-ABELIAN GAUGE FIELDS, COMMUTATION RELATIONS
PHYS REV 129 1043-1048 FEB 1962
BY SCHWINGER, J. DDC NR. 264803
SCHIFF, L . I.<P,I.> CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR 1410
MINNESOTA UNIV OF MINNEAPOLIS
FERRIMAGNETIC RESONANCE OF IRON-OXIDE MICROPOWDERS SEP 61
J PHYS SOC JAPAN 17 SUPPL B-I 392-395 1962
BY MOORISH A H DDC NR.
VALSTYN E P CONTRACT NR. AF 49(638)-809
PROJ/TASK NR. 9760-37601

AFOSR 1411
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
AN INTEGRAL METHOD FOR LAMINARY BOUNDARY LAYER CALCULATIONS, MOMENTUM THICKNESS AND MASS TRANSFER WITH ZERO PRESSURE GRADIENT JUL 1961
BY CULICK F. E. C. DDC NR. 265771
CONTRACT NR. AF 49,638-265
PROJ/TASK NR. 9781-37712

AFOSR 1412
POLYTECHNIC INST OF BROOKLYN NY
ON THE OPTIMUM DESIGN OF PREDICTOR CONTROL SYSTEMS AUG 1961
BY MORING, S. DDC NR. 265275
TRURAL, J.G.<P,I.> CONTRACT NR. AF 18(603)-109
PROJ/TASK NR. 9760-37650

AFOSR 1413
YALE UNIV NEW HAVEN CONN
ABSORPTION SPECTRUM OF GASEOUS CHLORIDE ION AND ELECTRON AFFINITY OF CHLORINE
J CHEM PHYS 35 2237-2238 DEC 1961
BY BERRY R S DDC NR.
REIMANN C W CONTRACT NR. AF-AFOSR 61-29
SPORES G N PROJ/TASK NR. 9760-37600

AFOSR 1414
NEW YORK UNIV NY
COALITIONS AND INTERACTION CONCEPTS OF SUPPORT IN THREE-PER
COALITIONS AND INTERACTION CONCEPTS OF SUPPORT IN THREE-PERSON GROUPS
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BY BORGATTA E F DDC NR.
BORGATTA M L CONTRACT NR. AF 49(638)-199
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PROJ/TASK NR. 9778-37707

AFOSR 1416
ILLINOIS UNIV OF URBANA
DRIFT MOBILITIES OF ELECTRONS AND HOLES AND SPACE-CHARGE-LIMITED CURRENTS IN AMORPHOUS SELENIUM FILMS,
PHYS REV 129 1177-1182 FEB 1962
BY HARTKE J L DDC NR. 267810
BARDEEN J<P,I .> CONTRACT NR. AF 49(638)-617
PROJ/TASK NR. 9769-37691

AFOSR 1417
ARMOUR RSCH FOUNDATION CHICAGO, ILL
SECOND AFOSR CONTRACTORS- MEETING ON CHEMICAL KINETICS OF PROPULSION SEP 19 11-12
BY DDC NR. 269519
CONTRACT NR. AF 49,638-867
PROJ/TASK NR. 9750-37501

AFOSR 1418
SYRACUSE UNIV NY
INFRARED OBSERVATION OF THE O-H BAND OF PURE ETHANOL AND ETHANOL SOLUTIONS TO THE CRITICAL TEMPERATURE
J PHYS CHEM 65 2204-2208 DEC 1961
BY FISHMAN F DDC NR.
CONTRACT NR. AF 49(638)-3
PROJ/TASK NR. 9760-37600

AFOSR 1419
DUKE UNIV DURHAM NO CAR
SOME NONLINEAR SYSTEMS OF DIFFERENTIAL EQUATIONS EQUIVALENT TO LINEAR SYSTEMS OCT 1961
PROC OF OSR-RIAS ON NONLINEAR DIFFERENTIAL EQUATIONS
PP 210-223
BY DRESSEL F G DDC NR. 266068
GERGEN J J CONTRACT NR. AF 49(638)-892
PROJ/TASK NR. 9769-37650

AFOSR 1420
POLYTECHNIC INST OF BROOKLYN NY
STABILIZATION OF MULTILOOP SYSTEMS VIA THE SENSITIVITY FUNCTION <PIBMRI-966-61 AUG 1961
BY HADDAD, R. DDC NR. 269276
TRURAL, J.G.<P,I.> CONTRACT NR. AF 18(603)-109
PROJ/TASK NR. 9760-37650

AFOSR 1421
STANFORD UNIV CALIF
DAMPING DUE TO CREEP IN A VIBRATING HELICAL SPRING, AUG 61
BY HEINER, R. C. DDC NR. 267858
HOFF, N. J.<P,I.> CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9782-37710

AFOSR 1422
STANFORD UNIV CALIF
BUCKLING OF THIN SHELLS SUDAFR AUG 1961
PRES 80TH BIRTHDAY FOR DR THEODORE VON KARMAN WASH DC MAY 1961 PP-1-86
BY HOFF, N. J. DDC NR. 266695
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9782-37710

AFOSR 1426
CARNEGIE INST OF TECHNOLOGY PITTSBURG PA
RESPONSE TENDENCIES IN THE VISUAL DETECTION OF SINGLE TARGE PERCEPTUAL AND MOTOR SKILLS 13 275-280 DEC 1961
BY PITZ G F DDC NR.
GREGG L W CONTRACT NR. AF 49(638)-770
KARN H W PROJ/TASK NR. 9778-37708

AFOSR 1426
NEW HAMPSHIRE UNIV OF DURHAM
ELECTROPHILIC DISPLACEMENT IEACTIONS XIV, TWO NOVEL REACTIONS INVOLVING ARENEBORONIC ACIDS AND HALOGENS
J ORG CHEM 27 825-829 1962
BY KUIVILA H G DDC NR.
CONTRACT NR. AF 49 (638)-912
PROJ/TASK NR.

AFOSR 1427
STANFORD UNIV CALIF
GENERATION OF RADIO NOISE IN THE VICINITY OF THE EARTH SEP 1961 INST STANFORD RADIO ASTRONOMY PUBL NR 19
J RSCH 66D 153-157 MR -AP 1962
BY STURROD,,PR A. DDC NR. 260321
CONTRACT NR. AF 49(638)-342
PROJ/TASK NR. 9774-37663

AFOSR 1428
MELLON INST PITTSBURGH PA
MECHANICAL AND THERMODYNAMICAL ADMISSIBILITY OF STRESS-STRAIN FUNCTIONS
ARCH FOR RAT MECH ANAL 9 172-186 1962
BY COLEMAN B D DDC NR.
CONTRACT NR. AF 49(638)-461
PROJ/TASK NR. 9760-37600

AFOSR 1429
REPUBLIC AVIATION CORP FARMINGDALE LI NY
A SUPERSONIC PLASMA BEAM JUN 1961
BY MALAMUD, M. DDC NR. 286910
BEDERSON, B. CONTRACT NR. AF 49(638)-952
EUNEN, A. F. <P,I.> PROJ/TASK NR. 9762-37621

AFOSR 1431
CASE INST OF TECHNOLOGY CLEVELAND O
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INORG CHEM 236-238 MAY 1962
BY JOYNER R DDC NR.
KENNEY M E CONTRACT NR. AF 49(638)-771
PROJ/TASK NR. 9762-37620

AFOSR 1432
NORTH CAROLINA UNIV OF CHAPEL HILL
EFFECTS OF QUENCHING AND ANNEALING ON IONIC CONDUCTIVITY AND ON DISLOCATION DECORABILITY IN SILVER CHLORIDE SEP 1961
J APPL PHYS 33 478-481 JAN 1962
BY LAYER H DDC NR. 263713
MILLER W G CONTRACT NR. AF 49(638)-865
SLIFKIN L M PROJ/TASK NR. 9760-37601

AFOSR 1433
SYRACUSE UNIV NY
LOW TEMPERATURE ELECTRON TRAPPING LIFETIMES AND EXTRINSIC PHOTOCONDUCTIVITY IN N-TYPE SI
PHOTOCONDUCTIVITY IN N-TYPE SILICON DOPED WITH SHALLOW IMPURITIES
J PHYS CHEM SOLIDS 22 269-284 1961
BY LEVITT R S DDC NR. 266068
MORIG A CONTRACT NR. AF 49(638)-966
PROJ/TASK NR. 9769-37691

AFOSR 1436
SAO PAULO UNIV OF BRAZIL
CEREBELLO-RETICULAR INTERACTION ON SPINAL REFLEXES
PROC IV MTG OF LATIN AMER SOC OF PHYSIOLOGICAL RIBEIRAO PRETO, BRAZIL SCIENCES PP 109-106 6-8 JUL 61
BY TINO-IABIA C DDC NR.
ANTUNES-RODRIGUES J CONTRACT NR. AF AFOSR-60-19
COVIAN M <P,I.> PROJ/TASK NR. 9777-37700

AFOSR 1435
SAO PAULO UNIV OF BRAZIL
EFFECTS OF THE ADMINISTRATION OF SEXUAL HORMONES ON THE AVOIDANCE CONDITIONED RESPONSE IN THE WHITE RAT
PROC IV MTG OF LATIN AMER SOC OF PHYSIOLOGICAL RIBEIRAO PRETO, BRAZIL SCIENCES P 112 4-8 JUL 61
BY LICO M C — DDC NR.
COVIAN M R<P.I.> — CONTRACT NR. AF-AFOSR-60-15

AFOSR 1436
SAO PAULO UNIV OF BRAZIL
EFFECTS OF INTRAVENTRICULAR ADMINISTRATION OF ACETYLCHOLINE ADRENALINE AND D-TUBOCURARINE IN THE RAT
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BY MARSEILLAN R F — DDC NR.
CORRADO A P — CONTRACT NR. AF-AFOSR-60-15
COVIN, M. R.<P.I.> — PROJ/TASK NR. 9777-37700

AFOSR 1437
SAO PAULO UNIV OF BRAZIL
INFLUENCE OF STIMULATION OF THE LIMBIC SYSTEM ON BLOOD PRESSURE AND RESPIRATORY RESPONSES IN RAT
PROC IV MTG OF LATIN AMER SOC OF PHYSIOLOGICAL SCIENCES
BY COVIAN M R — DDC NR.
ANTUNES-RODRIGUES J — CONTRACT NR. AF-AFOSR-60-15
MENDONCA D V — PROJ/TASK NR. 9777-37700

AFOSR 1438
SAO PAULO UNIV OF BRAZIL
INTERACTION BETWEEN THE SPECIFIC VISUAL SYSTEM AND THE RETICULAR FORMATION
PROC IV MTG OF LATIN AMER SOC OF PHYSIOLOGICAL SCIENCES RIBEIRAO PRETO, BRAZIL P 102 4-8 JUL 61
BY COVIAN M R — DDC NR.
MARSEILLAN R F — CONTRACT NR. AF AFOSR-60-15
PROJ/TASK NR. 9777-37700

AFOSR 1439
TECHNICAL UNIV OF NORWAY TRONDHEIM
THEORETICAL INVESTIGATIONS USING ELECTRON DIFFRACTION
BY BASTIANSEN O — DDC NR. 265198
STRAND T — CONTRACT NR. AF 61<052>-72
TRATTEBERG M — PROJ/TASK NR. 9760-37600

AFOSR 1440
WEIZMANN INST OF SCI REHOVOTH ISRAEL
USE OF THERMAL GREEN-S FUNCTION FOR THE ELECTRON-ION
BY NISHIYAMA T — DDC NR. 264835
DE SHALIT A<P.I.> — CONTRACT NR. AF 61<052>-337
LIPKIN H J<P.I.> — PROJ/TASK NR. 9750-37500

AFOSR 1441
FREE UNIV WEST BERLIN GERMANY
THEORETICAL RESEARCH STUDIES OF REACTING PLASMAS
FINAL REPORT JUL 1961
BY LUDWIG G — DDC NR. 265446
CONTRACT NR. AF 61<052>-239
PROJ/TASK NR. 9767

AFOSR 1442
CAMBRIDGE LANGUAGE RSCH UNIT KING-S COLLEGE ENGLAND
JUL 1961 SELF ORGANIZING MECHANISMS AS MODELS FOR SCIENTIFIC THEORIES
BY BASTIN E. W. — DDC NR. 264866
JONES K. S. — CONTRACT NR. AF 61<052>-331
PROJ/TASK NR. 9769-37659

AFOSR 1443
TRIESTE UNIV OF ITALY
ON A TRACE PROBLEM
RENDICONTI DEL SEMINARIO MATEMATICO DELLA UNIVERSITA DI PADOVA 31 232-242 1961
BY LIONS J L — DDC NR.
PRODI G<P.I.> — CONTRACT NR. AF 61<052>-414
PROJ/TASK NR. 9769-37658

AFOSR 1444
ST JOHN-S UNIV, JAMICA, NY
EFFECTS OF THE INTERSTELLAR WIND ON THE INTERPLANETARY PLASMA
PROC XI INTERNAT ASTRON CONG, STOCKHOLM, 1960 1-6
BY MILFORD, S. N. — DDC NR.
CONTRACT NR. AF 49<638>-582
PROJ/TASK NR. 9768-37650

AFOSR 1445
STEVENS INST OF TECHNOLOGY, HOBOKEN, NY
HIGH EFFICIENCY PLASMA MOTOR
PROC XI INTERNAT ASTRON CONG, STOCKHOLM, 1960 V.1.° 210-214 SPRINGER-VERLAG, 1961
BY BOSTICK, W. H. — DDC NR. 265302
BYFIELD, H. — CONTRACT NR. AF 49<638>-156
PROJ/TASK NR. 9768-37650

AFOSR 1446
MINNESOTA UNIV OF MINNEAPOLIS
EVAPORATIVE FILM COOLING OF BLUNT BODIES IN HYPERSONIC FLOW
PROC XI INTERNAT ASTRON CONG STOCKHOLM 1960 1 215-226
CONTRACT NR. AF 49<638>-190
PROJ/TASK NR. 9781-37712

AFOSR 1447
UPPSALA UNIV OF SWEDEN
STRUCTURAL FEATURES OF PHASES RELATED TO CEMENTITE OCT 1961
ACTA CRYSTAL 15 878-887 SEP 1962
BY ARONSSON B — DDC NR.
RUNDQVIST S — CONTRACT NR. AF 61<052>-40
PROJ/TASK NR. 9762-37621

AFOSR 1449
TECHNISCHE HOCHSCHULE, HANNOVER, GERMANY
DYNAMICS OF STRUCTURES BY TRANSFER MATRICES FINAL REPORT JUN 1961
BY PESTEL, E. — DDC NR. 265039
CONTRACT NR. AF 61.052#-302
PROJ/TASK NR. 9782-37717

AFOSR 1451
YESHIVA UNIV NEW YORK, NY
ELECTRON TRANSPORT AT HIGH TEMPERATURES IN THE PRESENCE OF IMPURITIES
PHYS REV 123 1542-1549 SEP 1961
BY FRISCH, H. L. — DDC NR.
LEBOWITZ, J. L. — CONTRACT NR. AF 49<638>-753
PROJ/TASK NR. 9751-37511

AFOSR 1452
STANFORD UNIV CALIF
ELECTRON-ELECTRON SCATTERING AT K00 MEV
PHYS REV 123 1840-1850 SEP 61
BY DALLY, E. B. — DDC NR.
PANOFSKY, W K H<P.I. — CONTRACT NR. N6ONR 251,16#
HOFSTADTER, R<P.I.> — PROJ/TASK NR. 9750-37500

AFOSR 1453
INST FOR ADVANCED STUDY PRINCETON NJ
APPLICATION OF NUCLEON-NUCLEON DISPERSION RELATIONS TO NUCLEAR MANY-BODY PROBLEM
PHYS REV 123 1860-1864 SEP 61
BY HAMAMOTO, I. — DDC NR.
MIYAZAWA, H. — CONTRACT NR. AF AFOSR-61-19
OPPENHEIMER, J R<P.I — PROJ/TASK NR. 9751-37512

AFOSR 1454
PRINCETON UNIV NJ
ON A BOUNDARY VALUE PROBLEM IN THE KINETIC THEORY OF BROWNIAN MOTION JUL 1961
BY COHEN, I. M. — DDC NR. 267517
BOGDONOFF, S<P.I.> — CONTRACT NR. AF 49 <638>-465
PROJ/TASK NR. 9781-37712

AFOSR 1456
PENNSYLVANIA UNIV OF PHILADELPHIA
A HYPOTHALAMIC LUTEINIZING-HORMONE-RELEASING FACTOR
AMER J OF PHYSIOL 202-395-400 MAR 1962
BY MCCANN S M — DDC NR.
CONTRACT NR. AF 49<638>-685
PROJ/TASK NR. 9777-37701

AFOSR 1457
WASHINGTON U ST LOUIS MO
PHYS REV 125 941 FEB 1962
BY ALLAS R G — DDC NR.
SHULL F B — CONTRACT NR. AF 49<638>-843
POND T A<P.I.> — PROJ/TASK NR. 9751-37512

AFOSR 1458
JOHNS HOPKINS UNIV BALTIMORE MD
BORON HYDRIDE CHEMISTRY FINAL REPORT JUL 1961
BY KOSKI W S — DDC NR.
CONTRACT NR. AF 18<600>-1526
PROJ/TASK NR. 9760-37600

AFOSR 1460
PURDUE UNIV LAFAYETTE IND
KINETICS OF NICKEL II LIGAND EXCHANGE REACTIONS CYANIDE ION AND ETHYLENEDINITRILO TETRAACETATE ION
JACS 83 1791 1795 1961
BY MARGERUM D W — DDC NR.
CONTRACT NR. AF 49<638>-60
PROJ/TASK NR. 9763-37630

AFOSR 1461
CALIFORNIA UNIV OF BERKELEY
THE NEUTRINO PROBLEM IN COSMOLOGY SEPT 1961
BY WEINBERG, S. — DDC NR. 267942
KARPLUS, R. <P.I.> — CONTRACT NR. 49<638>-327
PROJ/TASK NR. 9750-37500

AFOSR 1462
MINNESOTA UNIV OF MINNEAPOLIS
RESEARCH IN GASEOUS ELECTRONICS INTERIM FINAL REPORT OCT 1961
BY OSKAM, H. J. — DDC NR. 264897
CONTRACT NR. AF 49<638>-378
PROJ/TASK NR. 9768-37650

AFOSR 1463
ILLINOIS INST OF TECHNOLOGY CHICAGO
STRUCTURAL STUDIES OF IMPERFECTIONS IN CRYSTALS OCT 1961
BY AZAROFF L V — DDC NR. 264936
CONTRACT NR. AF 49<638>-425
PROJ/TASK NR. 9763-376531

AFOSR 1465
COLUMBIA UNIV NY
ALKALI-METAL OPTICAL MASERS NOV 1961
BY ABELLA, I. D. — DDC NR.
CUMMINS, H. Z. — CONTRACT NR. AF 49<638>-507
TOWNES, C. H.<P.I.> — PROJ/TASK NR. 9768-37650

AFOSR 1466
GENERAL MILLS INC MINNEAPOLIS MINN
GRAIN BOUNDARIES IN INDIUM ANTIMONIDE SEP 1961
J APP PHY 33 2341 2345 JUL 1962
BY MUELLER R K — DDC NR.
JACOBSON R L — CONTRACT NR. AF 49<638>-628
PROJ/TASK NR. 9761-37611

AFOSR 1467
NORTHWESTERN UNIV EVANSTON ILL
EFFECT OF PRESTRAIN TEMPERATURE ON THE STRAIN AGING OF ALPHA-IRON SEP 1961
A SCIENTIFIC JOURNAL TRANS METALL SOC AIME 224 606-610 JUN 1962
BY LAUTENSCHLAGER F — DDC NR. 263932
BRITTAIN J O — CONTRACT NR. AF 49<638>-780
PROJ/TASK NR. 9761-37611

AFOSR 1468
NORTHWESTERN UNIV EVANSTON ILL
MICROWAVE MEASURFMENTS OF MAGNETO-GAS DYNAMIC PLASMAS
CHIM E L-INDUSTRIA 43 867-871 AUG 1960
BY WARDEN, R. C. — DDC NR. 266593
BRODWIN, J. — CONTRACT NR. AF 49<638>-879
CAMEP, A..B.. — PROJ/TASK NR. 9751-37510

AFOSR 1669
MINNEAPOLIS HONEYWELL REGULATOR CO HOPKINS MINN
THE OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTAL TELLURIUM MAY 1961
BY RUSSBAUM A — DDC NR. 267310 — CONTRACT NR. AF 49(638)-908 — PROJ/TASK NR. 9760-37601.

AFOSR 1670
MINNEAPOLIS HONEYWELL REGULATOR CO HOPKINS MINN
THE OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTAL TELLURUIM AUG 1961
BY RUSSBAUM A — DDC NR. 267319 — CONTRACT NR. AF 49(638)-908 — PROJ/TASK NR. 9760-37601

AFOSR 1671
CALIFORNIA INST OF TECHNOLOGY PASADENA
OCT 1961 FURTHER SHOCK-TUBE STUDIES OF THE HOMOGENEOUS DECOMPOSITION OF NH3
BY JACOBS, T. A. — DDC NR. 266412
PENNER, S. S. <P.I.> — CONTRACT NR. AF 49(638)-984
PROJ/TASK NR. 9751-37511

AFOSR 1673
POLYTECHNIC INST OF BROOKLYN NY
DESIGN STUDY OF A LINEAR ELECTRON ACCELERATOR AUG 1961
BY MENAKER, D. — DDC NR. 268734
WEBER, E.<P.I.> — CONTRACT NR. AF 18(600)-1405
MARCUBITZ, N.<P.I.> — PROJ/TASK NR. 4751
TRUXAL, J. G.<P.I.>

AFOSR 1674
ROCHESTER UNIV OF NY
EQUATIONS GOVERNING THE PROPAGATION OF SECOND-ORDER CORRELATIONS IN NON-STATIONARY ELECTRO-MAGNETIC FIELDS
NUOVO CIM SER X 23 320-330 JAN 1962
BY FANO, Y. — DDC NR.
MOPKINS, R. E.<P.I.> — CONTRACT NR. AF 49 (638)-602
WOLF, E.<P.I.> — PROJ/TASK NR. 9768-37650

AFOSR 1676
RIAS INC BALTIMORE MD
PHOTOSYNTHESIS
ANN REV PLANT PHYSIOL 12 1961
BY HOCH G — DDC NR. 263959
KOK B — CONTRACT NR. AF 49(638)-967
PROJ/TASK NR. 9777

AFOSR 1677
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE TRANSVERSE DEFORMATION OF DOUBLE BEAMS SEP 1961
BY MITCHELL, C. G. B. — DDC NR. 265206
PIAN, T. H. H. — CONTRACT NR. AF 49.638(0-985
PROJ/TASK NR. 9771B-9782

AFOSR 1678
LAVAL UNIV QUEBEC CAN
ADENOHYPOPHYSIS AND ADRENAL CORTEX
ANN REV PHYSIOL 24 223 258 1962
BY FORTIER C — DDC NR.
CONTRACT NR. AF-AFOSR-61-19
PROJ/TASK NR. 9777-37701

AFOSR 1679
WESTINGHOUSE ELECTRIC CORP PITTSBURGH PA
ORBITS WITH LOW TANGENTIAL THRUST SEP 1961
BY SHAPIRO G — DDC NR. 269326
CONTRACT NR. AF 49(638)-1002
PROJ/TASK NR. 9781-37726

AFOSR 1680
US NATIONAL BUREAU OF STANDARDS, WASH DC
INTERMEDIATE EQUATORIAL ORBITS OF AN ARTIFICIAL SATELLITE OCT 1961
BY [illegible] J. P. — DDC NR. 266755
CONTRACT NR. C50-680-60-2
PROJ/TASK NR. 9781-37726

AFOSR 1681
AEROJET-GENERAL CORP, AZUSA, CALIF
RADICAL FORMATION AND TRAPPING IN TRITIUM-ENRICHED ICE SEP 1961
BY FLOURNOY, J. M. — DDC NR.
SIEGEL, S. — CONTRACT NR. AF 18(603)-110
JUDEIKIS, H. S. — PROJ/TASK NR. 9750-37501
HOF, G. <P.I.>

AFOSR 1682
ILLINOIS UNIV OF URBANA
SPECIFIC ENZYMATIC DETERMINATION OF ALCOHOL IN BLOOD BY AN AUTOMATIC SPECTROPHOTOMETRIC REACTION RATE METHOD 1961
ANAL CHEM 34 449-458 APR 1962
BY WALKSTADT H V — DDC NR.
MADJUDARMOU T P — CONTRACT NR. AF 18(603)-137
PROJ/TASK NR. 9761-37630

AFOSR 1683
ILLINOIS UNIV OF URBANA
A NEW AUTOMATIC SPECTROPHOTOMETRIC RATE METHOD FOR SELECTIV DETERMINATION OF GLUCOSE IN SERUM, PLASMA OR BLOOD 1961
ANAL CHEM 34 442-448 APR 1962
BY WALKSTADT H V — DDC NR.
MADJUDARMOU S T — CONTRACT NR. AF 18(603)-137
PROJ/TASK NR. 9761-37630

AFOSR 1684
ROCHESTER UNIV OF NY
FINAL REPORT OPTICAL AND ELECTRICAL PROPERTIES OF SOLIDS SE 1961
BY BLARNEY R W — DDC NR. 268634
DEXTER D L <P.I.> — CONTRACT NR. AF 49(638)-633
PROJ/TASK NR. 9761-37611

AFOSR 1686
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN ALUMINUM SEP 1961
PHYSICAL REV 125 846-849 FEB 1962
BY MOORE T W — DDC NR.
SPONG F W — CONTRACT NR. AF 49(638)-600
KIP, A F<P.I.> — PROJ/TASK NR. 9760-37601

AFOSR 1687
CASE INST OF TECHNOLOGY CLEVELAND O
EVIDENCE FOR SPIN-ORBIT SPLITTING IN THE BAND STRUCTURE OF ZINC AND CADMIUM 29 SEPT 1961
PHYS REV LTRS 7 336-38 NOV 1961
BY JOSEPH A S — DDC NR.
GORDON W L — CONTRACT NR. AF 49(638)-621
REITZ J R — PROJ/TASK NR. 9760-37601
ECK T G

AFOSR 1688
TORONTO UNIV OF CAN
STABILITY OF FLIGHT PATHS OF LIFTING VEHICLES DURING ENTRY INTO PLANETARY ATMOSPHERES JUL 1961
BY FINE, J. M. — DDC NR. 269127
ETKIN, B. Y. <P.I.> — CONTRACT NR. AF 49.638(0-761
PROJ/TASK NR. 9781-37712

AFOSR 1689
STANFORD UNIV CALIF
PONTRYAGIN-S MAXIMUM PRINCIPLE AND OPTIMAL CONTROL SEP 61
BY FLUGGE-LOTZ I — DDC NR. 267860
MALKIN H — CONTRACT NR. AF 49.638(0-513
PROJ/TASK NR. 9783-37726

AFOSR 1691
NORTH CAROLINA UNIV CHAPEL HILL
BAYES STRATEGIES AS ADAPTIVE BEHAVIOR OCT 1961
2D ANN BIONICS SYMP ITHACA, NY AUG 1961
BY WIESEN R A — DDC NR.
SHUFORD E H — CONTRACT NR. AF 49(638)-729
JONES L V<P.I.> — PROJ/TASK NR. 9778-37708

AFOSR 1692
NORTH CAROLINA UNIV OF CHAPEL HILL
APPLICATIONS OF BAYESIAN PROCEDURES BASED ON DISCRETE PRIOR DISTRIBUTIONS OCT 1961
BY SHUFORD E H — DDC NR.
JONES, L V<P.I.> — CONTRACT NR. AF 49(638)-729
PROJ/TASK NR. 9778-37708

AFOSR 1693
NORTH AMERICAN AVIATION, DOWNEY, CALIF
AUG 1961 BOUNDARY LAYER TRANSITION AT SUPERSONIC SPEEDS-THREE DIMENSIONAL ROUGHNESS EFFECTS<SPHERES>
BY VAN DRIEST, E. R. — DDC NR. 265237
BLUMER, C. B. — CONTRACT NR. AF 49(638)-250
PROJ/TASK NR. 9781-37712

AFOSR 1694
GENERAL ELECTRIC CO, PHILADELPHIA, PENNA
THERMAL DIFFUSION RATIO IN DISSOCIATED AIR
ARSJ 31 1661-1663 OCT 61
BY SCALA M. — DDC NR. 285619
CONTRACT NR. AF 49.638(0-991
PROJ/TASK NR. 9781-37719

AFOSR 1695
PREPRINTS OF PAPERS READ AT THE FIFTH INTERNATIONAL SYMPOSI ON FREE RADICALS, 6-7 JULY 1961, UNIVERSITY OF UPPSALA
BY — DDC NR. 262103
CONTRACT NR.
PROJ/TASK NR.

AFOSR 1696
NORTH CAROLINA UNIV OF CHAPEL HILL
A NEW PROOF OF THEOREMS OF PERRON AND FROBENIUS ON NON-NEGATIVE SEP 1961
BY BRAUER A T — DDC NR.
CONTRACT NR. AF 18(603)-38
PROJ/TASK NR. 9769-37648

AFOSR 1697
MARYLAND UNIV OF COLLEGE PARK
BOUNDS FOR EIGENVALUES OF THE STURM-LIOUVILLE PROBLEM BY FINITE DIFFERENCE METHODS SEP 1961
BY HUBBARD B E — DDC NR. 264737
WEINSTEIN A<P.I.> — CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9781-37727

AFOSR 1698
STANFORD UNIV CALIF
ELECTRON SCATTERING FROM A QUANTIZED LIQUID DROP AUG 61
PHYS REV 126 693-662 APR 1962
BY WALECKA, J. D. — DDC NR. 269566
SCHIFF, L. I.<P.I.> — CONTRACT NR. AF 49 (638)-388
PROJ/TASK NR. 9760-37600

AFOSR 1699
STANFORD UNIV CALIF
ELECTROMAGNETIC PROPERTIES OF THE LOW-LYING STATES OF 6C 6 12 IN THE OSCILLATING DROP MODEL AUG
PHYS REV 126 669-670 APR 1962
BY WALECKA J D — DDC NR. 269567
SCHIFF, L I<P.I.> — CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9760-37600

AFOSR 1700
TRIESTE UNIV OF ITALY
ON PROBABILITY MEASURES RELATED TO THE NAVIER-STOKES EQUATIONS IN THE 3-DIMENSIONAL CASE JULY 1961
BY PRODI G — DDC NR. 266672
CONTRACT NR. AF 61(052)-416
PROJ/TASK NR. 9769-37644

AFOSR 1901
TRIESTE UNIV OF ITALY
RESEARCH STUDY OF NAVIER-STOKES EQUATIONS FINAL REPORT JUL 1961
BY PRODI G
DOC NR. 266671
CONTRACT NR. AF 61<052>-616
PROJ/TASK NR. 9769-97650

AFOSR 1902
VIENNA UNIV OF AUSTRIA
SYMMETRIES OF FUNDAMENTAL PRTICLE INTERACTIONS FINAL REPORT AUG 1961
BY THIRRING W E
DOC NR.
CONTRACT NR. AF 61<052>-269
PROJ/TASK NR. 9791-97911

AFOSR 1903
HEBREW UNIV JERUSALEM, ISRAEL
JUN 1961 TAUBERIAN CONSTANTS FOR THE <J,PCE>> TRANSFORMATIO
BY JAKIMOVSKI, A.
AGMON, S. <P,I,>
DOC NR. 266936
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-97922

AFOSR 1904
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
MONTE CARLO APPLICATION TO MOLECULAR FLOWS MAY 1961
BY HAVILAND J F
DOC NR. 259672
CONTRACT NR. AF 49<638>-207
PROJ/TASK NR.

AFOSR 1905
IST ELETTROTECNICO NAZIONALE ITALY
FURTHER EXPERIMENTS ON SURFACE CONDUCTIVITY OF METALLIC THIN FILMS JUL 1961
BY FERRARIS G
BORFIGLIOLI G
MALVANO R
DOC NR. 266937
CONTRACT NR. AF 61 <052>-928
PROJ/TASK NR. 9760-97611

AFOSR 1906
BAKTERIOLOGISCHEN INST FREISING-WEIHENSTEPHAN GERMANY
DIE WIRKUNG VON MONOJODESSIGSAURE AUF ATMUNG AND PHOTOSYNTHESE VON CHLORELLA THE EFFECT OF MONOIODOACETIC ACID ON THE RESPIRATION AND PHOTOSYNTHESIS IN CHLORELLA ZEIT FUR NATURFORSCHUNG 16 90 61 1961
BY GAFFRON H O
LIESEMEYER I
OAKS B A
DOC NR.
CONTRACT NR. AF 61<052>-244
PROJ/TASK NR. 9777-97706

AFOSR 1910
LOUVAIN UNIV OF, BELGIUM
THERMOELASTIC STABILITY, STRESSES AND DEFLECTIONS OF THIN PLATES AUG 1961
BY BUCKENS P.
DOC NR. 266669
CONTRACT NR. AF 61.0920-699
PROJ/TASK NR. 9782-97717

AFOSR 1911
PARIS UNIV OF FRANCE
RELATIONS BETWEEN POLARIZATIONS DUE TO CHARGE INDEPENDENCE JUL 1961
BY MICHEL, L.
DOC NR. 272896
CONTRACT NR. AF 49.638-977
PROJ/TASK NR. 9750-97900

AFOSR 1912
RENSSELAER POLYTECHNIC INST TROY NY
VORTEX FLOW IN A DISSOCIATING GAS
J AEROSP SCI 29 629-636 MAY 1962
BY GROSS, R. C.
LI, T. Y.<P,I,>
DOC NR. 267888
CONTRACT NR. 49<638>-977
PROJ/TASK NR. 9781-97712

AFOSR 1916
STANFORD RSCH INST MENLO PARK CALIF
LUMINESCENCE OF SOLIDS PRODUCED BY SURFACE RECOMBINATION OF ATOMS FINAL REPORT AUG 1961
BY GARCIER E M
FREDERICKS W J
WISE M
DOC NR. 266659
CONTRACT NR. AF 49<638>-359
PROJ/TASK NR. 9760-97601

AFOSR 1917
VITRO LABORATORIES, WEST ORANGE, NJ
CONTINUOUS ACCELERATION OF PLASMA GENERATED BY THE HIGH INTENSITY ARC SEP 1961
BY SWEER, C.
COONEY, J. A.
MEAD, L. M.
SILEO, P. R.
ROTHACKER, D. L.
DOC NR. 267866
CONTRACT NR. AF 49<638>-929
PROJ/TASK NR. 9752-97921

AFOSR 1918
MARYLAND UNIV OF, COLLEGE PARK
GEOMAGNETICALLY TRAPPED RADIATION AUG 061
PROGRESS IN COSMIC RAY PHYSICS V.6 J G WILSON, ED NORTH HOLLAND PUBL CO, AMSTERDAM
BY STORER, J. P.
LERCHER, A. M.
DOC NR. 269769
CONTRACT NR. AF 49<638>-550
PROJ/TASK NR. 9776-97669

AFOSR 1920
GIANNINI SCIENTIFIC CORP SANTA ANA, CALIF
NOTE ON THE AXISYMMETRY OF AN ELECTRODELESS DISCHARGE AUG61
BY LOOS, H. G.
TREAT, R. P.
DOC NR. 269856
CONTRACT NR. AF 49<638>-1014
PROJ/TASK NR. 9791-97910

AFOSR 1921
GIANNINI SCIENTIFIC CORP SANTA ANA, CALIF
INITIAL BREAKDOWN OF GASES IN ELECTRODELESS DISCHARGE SEP 1961 FINAL REPORT
BY LOOS, H. G.
DOC NR. 271424
CONTRACT NR. AF 49<638>-1014
PROJ/TASK NR. 9791-97910

AFOSR 1922
GIANNINI SCIENTIFIC CORP SANTA ANA, CALIF
IONIZATION IN AN ELECTRODELESS DISCHARGE PART II SEP 61
BY TREAT, R. P.
LOOS, H. G. <P,I,>
DOC NR. 271423
CONTRACT NR. AF 49<638>-1014
PROJ/TASK NR. 9791-97910

AFOSR 1923
GIANNINI SCIENTIFIC CORP SANTA ANA, CALIF
IONIZATION EXPERIMENT ON AN ELECTRODELESS DISCHARGE IN CYLINDRICAL COIL AUG 1961
BY LOOS, H. G.
TREAT, R. P.
DOC NR. 270989
CONTRACT NR. AF 49<638>-1014
PROJ/TASK NR. 9791-97910

AFOSR 1924
MELLON INST PITTSBURGH PA
INFRARED SPECTROSCOPIC STUDY OF INTERMEDIATES IN THE PHOTOLYSIS OF SEVERAL AZIDES
BY MILLIGAN D E
MEYER, B MCP ,I,>
DOC NR. 266678
CONTRACT NR. AF 49<638>-942
PROJ/TASK NR. 9780-97690

AFOSR 1925
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SOME USEFUL INFORMATION FOR THE DESIGN OF AIR-CORE SOLENOIDS NOV 1961
PT I, RELATIONSHIPS BETWEEN MAGNETIC FIELD, POWER AMPERE TURNS AND CURRENT DENSITY PT II HOMOGENEOUS MAGNETIC FIELDS
BY MONTGOMERY D
TERRELL J
LOE BCP,I,>
BITTER FCP,I,>
DOC NR. 269079
CONTRACT NR. AF 19<604>-7164
PROJ/TASK NR. 9784-97641

AFOSR 1926
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SOME USEFUL INFORMATION FOR THE DESIGN OF IRON MAGNETS NOV 1961 PT I, THE CALCULATION OF GAP FIELDS BY MEANS OF EQUIVALENT SURFACE POLES, PT II THE CALCULATION OF GAP FIELDS BY MEANS OF DISTRIBUTED VOLUME DIPOLES PT III ANALYSIS OF EXISTING MAGNETS
BY MONTGOMERY D
LOE BCP ,I,>
BITTER FCP,I,>
DOC NR. 269076
CONTRACT NR. AF 19<604>-7164
PROJ/TASK NR. 9784-97641

AFOSR 1927
CALIFORNIA INST OF TECHNOLOGY PASADENA
RADIATION OF SEISMIC BODY-WAVES FROM A FINITE MOVING SOURCE IN THE EARTH
J GEOPHYS RSCH 67 969-990 JAN 1962
BY MENAHEM A, BEN
PRESS F, <P,I,>
DOC NR.
CONTRACT NR. AF 49<638>-910
PROJ/TASK NR. 8692

AFOSR 1928
BRAZIL UNIV OF RIO DE JANEIRO BRAZIL
BIOELECTROGENESIS; A COMPARATIVE SURVEY OF ITS MECHANISMS WITH PARTICULAR EMPHASIS ON ELECTRIC FISHES, PROCEEDINGS OF THE SYMPOSIUM ON COMPARATIVE BIOELECTROGENESIS, RIO DE JANEIRO 1959 ELSEVIER PUBLISHING CO AMSTERDAM 1961 548 1959
BY CHAGAS C FO
DOC NR. 269940
CONTRACT NR. AF 49<638>-999
PROJ/TASK NR. 9777-97707

AFOSR 1929
MARYLAND UNIV OF COLLEGE PARK
WAVE MOTION IN A TWO COMPONENT PLASMA WITH ANISOTROPIC PRESSURE SEP 1961
PHYS FLUID 5 497-498 APR 1962
BY JAGGI, R. K.
MONTROLL, E. W ,<P,I
DOC NR. 266891
CONTRACT NR. AF 18<600>-1515
PROJ/TASK NR. 9791-97911

AFOSR 1930
MARYLAND UNIV OF COLLEGE PARK
SOME UNIQUENESS THEOREMS IN THE THEORY OF ELASTICITY OCT 61
BY BRAMBLE J H
PAYNE L E
WEINSTEIN A<P,I,>
DOC NR. 266661
CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-97727

AFOSR 1932
RUTGERS UNIV NEW BRUNSWICK, NJ
HARMONIC GENERATION AT MILLIMETER WAVELENGTHS, FINAL REPORT OCT 1961
BY PECINA, R, G.
SIRKIS, M BCP,I,>
DOC NR. 267953
CONTRACT NR. AF 49<638>-994
PROJ/TASK NR. 9760-97650

AFOSR 1939
NEW YORK UNIV NY
NOISE AND RANDOM PROCESSES OCT 1961
PROC IRE 50 1166-1191 MAY 1962
BY CHANG S S L
RAGAZZINI J R
DOC NR. 269967
CONTRACT NR. AF 49<638>-986
PROJ/TASK NR. 9760-97650

AFOSR 1934
CALIFORNIA UNIV OF BERKELEY
A VARIATIONAL SOLUTION FOR THE SCATTERING OF ELECTROMAGNETI PULSES FROM A CYLINDER OF FINITE LENGTH AUG 1961
BY WELCH, W. J.
PEDERSON, D. O.<P,I,
UNIBERRY, J.<P ,I,>
DOC NR. 265853
CONTRACT NR. AF 49<638>-1043
PROJ/TASK NR. 6791

AFOSR 1939
MOUNT ZION HOSP SAN FRANCISCO CALIF
A THERMISTOR BRAIN PROBE
J NEUROSURGERY 18 960 1961
BY ALBERTS W W
WRIGHT E W
DOC NR.
CONTRACT NR. AF 18<603>-48
PROJ/TASK NR. 9777-97700

AFOSR 1936
MOUNT ZION HOSP SAN FRANCISCO CALIF
SIMPLE GRAPHIC STEREOTAXIC LOCALIZATION
NEUROSURGERY 18 961-962 1961
BY ALBERTS W W
DOC NR.
CONTRACT NR. AF 18<603>-48
PROJ/TASK NR. 9777-97700

AFOSR 1537
PENNSYLVANIA UNIV OF PHILADELPHIA
SPECIFICATION LANGUAGES FOR MECHANICAL LANGUAGES AND THEIR PROCESSORS. A BAKER-S DOZEN. U SEP 61
COMM ASSOC COMP MACH 4 532-542 DEC 1961
BY GORN S. DDC NR.
CONTRACT NR. AF 49(638)-951
PROJ/TASK NR. 9769-37659

AFOSR 1538
CALIFORNIA INST OF TECHNOLOGY. PASADENA
RELEASE OF TECTONIC STRAIN BY UNDERGROUND NUCLEAR EXPLOSIONS
J GEOPHYS RSCH 67 337-343 JAN 1962
BY PRESS F. DDC NR.
ARCHAMBEAU C. CONTRACT NR. AF 49(638)-910
PROJ/TASK NR. 8652

AFOSR 1540
POLYTECHNIC INST OF BROOKLYN NY
THE SIGNIFICANCE OF SENSITIVITY IN FEED BACK SYSTEM STUDIES
JUN 1961
BY LYNCH. W. A. DDC NR. 273024
TRUXAL. J. G. CONTRACT NR. AF 18(603)-105
PROJ/TASK NR. 9768-37650

AFOSR 1541
AEROJET-GENERAL CORP. AZUSA. CALIF
LOW TEMPERATURE KINETIC BEHAVIOR OF HYDROGEN ATOMS IN GAMMA- IRRADIATED ICE NOV 1961
BY FLOURNOY. J. M. DDC NR. 266438
BAUM. L. H. CONTRACT NR. AF 18(603)-110
SIEGEL. S. PROJ/TASK NR. 9750-37501
MOE. G. <P.I.>

AFOSR 1542
YALE UNIV NEW HAVEN CONN
1961 THEORETICAL VALUES FOR MAGNETIC MOMENTS OF-MESONIC ATOMS
PHYS REV LTRS 7 134-135 AUG 1961
BY FORD. K. W. DDC NR.
HUGHES. V. W. CONTRACT NR. AF 49(638)-545
WILLS. J. G. PROJ/TASK NR. 9767

AFOSR 1543
WAYNE STATE UNIV DETROIT MICH
1961 ADVANCES IN THE CHEMISTRY OF THE COORDINATION COMPOUND
PROCEEDINGS OF THE 6TH INTERNAT CONF ON COORDINATION CHEM. WAYNE STATE UNIV. 27 AUG-1 1 SEP 1961
BY KIRSCHNER S ED DDC NR.
CONTRACT NR. AF 49(638)-739
PROJ/TASK NR. 9760-37600

AFOSR 1544
OHIO STATE UNIV COLUMBUS
ELECTRONIC STRUCTURE OF THE F CENTER IN LICL
PHYS REV 123 1138-1144 AUG 1961
BY WOOD R F DDC NR.
KORRINGA J CONTRACT NR. AF 49(638)-264
PROJ/TASK NR. 9760-37601

AFOSR 1545
UNIV MAYOR DE SAN ANDRES LA PAZ. BOLIVIA
FINAL PROGRESS REPORT I. TIME VARIATIONS IN COSMIC RYAS II CHARACTERISTICS OF EXTENSIVE AIR SHOWERS
BY ESCOBAR. I. DDC NR.
CONTRACT NR. AF 49(638)-290
PROJ/TASK NR. 9774-37665

AFOSR 1546
CALIFORNIA UNIV OF BERKELEY
THE EIKONAL METHOD IN MAGNETOHYDRODYNAMICS SEP 1961
BY WEINBERG. S. DDC NR.
KARPLUS. R. <P.I.> CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9750-37500

AFOSR 1547
NORTH CAROLINA UNIV OF CHAPEL HILL
CHELOMETRIC TITRATIONS WITH AMPEROMETRIC END-POINT DETECTION
TALANTA 9 153-167 1962
BY REILLEY C N DDC NR.
CONTRACT NR. AF 49(638)-333
PROJ/TASK NR. 9763-37630

AFOSR 1550
NEW YORK UNIV NY
THEORY OF OPTIMUM MULTIPLE MEASUREMENTS AUG 1961
BY HUNG J C DDC NR. 269568
RAGAZZINI J R<P.I.> CONTRACT NR. AF 49(638)-586
CHANG S S L<P.I.> PROJ/TASK NR. 9760-37650

AFOSR 1551
CORNELL UNIV. ITHACA. NY
SEP 1961 ON THE DISTORTION OF A WEAK MAGNETIC FIELD BY THE FLOW OF CONDUCTING FLUID PAST A CYLINDRICAL OBSTACLE
BY TAMADA K. DDC NR. 272081
BRADLEY R. <P.I.> CONTRACT NR. AF 49(638)-674
PROJ/TASK NR. 9781-37713

AFOSR 1553
YALE UNIV NEW HAVEN CONN
THE KINETICS OF THE THERMAL DECOMPOSITION OF <2.2. 1> BICYCLOHEPTADIENE
J PHYS CHEM 66 568-570 MAR 1962
BY BIRELY J H DDC NR.
CHESICK J P CONTRACT NR. AF 49(638)-722
PROJ/TASK NR. 9760-37600

AFOSR 1554
CORNELL AERONAUTICAL LABORATORY INC. BUFFALO. NY
ON THE VISCOSITY OF DISSOCIATED AIR SEP 1961
BY MOORE F. K. DDC NR. 269747
TREANOR C. T. <P.I.> CONTRACT NR. AF 49(638)-793
PROJ/TASK NR. 9783-37726

AFOSR 1555
ATLANTIC RSCH CORP ALEXANDRIA VA
THE THERMAL DECOMPOSITION OF PERCHLORIC ACID VAPOR OCT 61
BY LEVY. J. B. DDC NR. 265051
CONTRACT NR. AF 49(638)-813
PROJ/TASK NR. 9750-37501

AFOSR 1556
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES CALIF
MICROWAVE MEASUREMENTS OF PLASMA FLOW IN A SUPERSONIC WIND TUNNEL SEP 1961
BY OSHIMA. K. DDC NR. 266686
CHUAN. R .L.<P.I.> CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 1561
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
DYNAMIC RESPONSE OF SYSTEMS WITH STRUCTURAL DAMPING OCT 1961
BY CRANDALL S. H. DDC NR. 266299
CONTRACT NR. AF 49(638)-564
PROJ/TASK NR. 9782-37718

AFOSR 1562
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HEAT TRANSFER IN A COMPLETELY IONIZED GAS JUL 1961
BY JEPSON B DDC NR. 268459
FAY. J A<P.I.> CONTRACT NR. AF 49(638)-643
PROJ/TASK NR. 9781-37713

AFOSR 1563
KANSAS UNIV OF LAWRENCE
EXPERIMENTAL EVALUATION OF LIQUID-JUNCTION POTENTIAL
ANAL CHEM 33 1795-1796 NOV 1961
BY IWAMOTO R T DDC NR.
NELSON I V CONTRACT NR. AFOSR-61-8
PROJ/TASK NR. 9763-37630

AFOSR 1564
AVCO-EVERETT RSCH LABORATORY. EVERETT. MASS
MAR 1962 HIGH SPEED INFRARED BOLOMETER<SUPERSEDES RSCH NOTE 265>
BY CAMAC. M. DDC NR. 275131
FEINBERG. R. CONTRACT NR. AF 49(638)-61
PATRICK. R. M.<P.I.> PROJ/TASK NR. 9751-37510

AFOSR 1565
NOBEL INST OF PHYSICS. STOCKHOLM SWEDEN
SEP 1961 EVIDENCES FOR OCTUPOLE AND QUADRUPOLE VIBRATIONAL STATES IN PB205
BY BERGSTROM. I. DDC NR. 266646
BONACALZA. E. C. O. CONTRACT NR. AF 61(052)-118
THIEBERGER. P. PROJ/TASK NR. 9750-37500
ASTROM. B. <P.I.>

AFOSR 1566
NOBEL INST OF PHYSICS STOCKHOLM. SWEDEN
SEP 1961 THE DECAY ENERGY OF BI 205
BY BONACALZA. E. C. O. DDC NR. 266647
THIEBERGER. P. CONTRACT NR. AF 61(052)-118
BERGSTROM. I. PROJ/TASK NR. 9750-37500
ASTROM. B. <P.I.>

AFOSR 1567
PARIS UNIV OF FRANCE
SOME REMARKS ABOUT THE PHOTOPRODUCTION OF STRANGE PARTICLES
FEB 1961
BY GOURDIN M DDC NR. 267241
LEVY MCP.I.> CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9750-37500

AFOSR 1568
PARIS UNIV OF FRANCE
CORRECTION TO INTRINSIC MAGNETIC MOMENTS BY CENTRAL AND TENSOR FORCES JUN 1961
BY BREMOND B DDC NR. 266561
LEVY MCP.I.> CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9750-37500

AFOSR 1569
PARIS UNIV OF FRANCE
INELASTIC FORM FACTORS 1961
BY GOURDIN M DDC NR. 266560
LEVY MCP.I.> CONTRACT NR. AF 61(052)-173
PROJ/TASK NR. 9750-37500

AFOSR 1571
AF OFFICE OF SCIENTIFIC RESEARCH
OCT 1961 LONG RANGE RESEARCH IN THE INFORMATION SCIENCE
BY WOOSTER H. DDC NR. 265265
CONTRACT NR.
PROJ/TASK NR.

AFOSR 1573
PUERTO RICO UNIV OF MAYAGUEZ
FIXED AZIMUTH SWEEP FREQUENCY BACKSCATTER OBSERVATIONS FROM 27TO 54 MC/S
BY DUENO. B. DDC NR. 266105
CONTRACT NR. AF 49 (638)-172
PROJ/TASK NR. 9760-37650

AFOSR 1574
CALIFORNIA INST OF TECHNOLOGY PASADENA
SUPERSONIC FLUTTER OF A CYLINDRICAL SHELL OF FINITE LENGTH IN AN AXISYMMETRICAL MODE OCT 1961
BY KRUMHAAR H. DDC NR. 268497
SECHLER E. E. <P.I.> CONTRACT NR. AF 49.638-220
PROJ/TASK NR. 9782-37718

AFOSR 1575
CORNELL UNIV ITHACA NY
POLYMERIZATION IN COBALTIC PERIODATE SOLUTIONS
JACS 83 2617-2620 JUN 1961
BY NYMAN C J DDC NR.
PLANE R A CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR 1576
WISCONSIN UNIV OF MADISON
THE STEREOCHEMISTRY OF TRICHLOROSILANE ADDITIONS TO 1-METHYLCYCLOHEXENE
JACS 84 1860-1863 MAY 1962
BY WEST R — DDC NR. — CONTRACT NR. AF 49(638)-285 — PROJ/TASK NR. 9760-37600

AFOSR 1577
WISCONSIN UNIV OF MADISON
THE PREPARATION AND CHARACTERIZATION OF THE CIS AND TRANS-METHYLSILYLCYCLOHEXANES
JACS 84 1856-1859 MAY 1962
BY WEST R — DDC NR. — CONTRACT NR. AF 49(638)-285 — PROJ/TASK NR. 9760-37600

AFOSR 1578
WISCONSIN UNIV OF MADISON
CHLOROPLATINIC ACID CATALYZED ADDITION OF TRICHLOROSILANE TO ALKYLCYCLOHEXENES STEREOCHEMISTRY AND MECHANISM
JACS 84 1863-1868 MAY 1962
BY WEST R — DDC NR. — CONTRACT NR. AF 49(638)-285 — PROJ/TASK NR. 9760-37600

AFOSR 1579
STANFORD UNIV CALIF
A PHENOMOLOGICAL APPROACH TO THE ELECTRODISINTEGRATION OF THE DEUTERON SEP 1961
BY BOSCO, B. / SCHIFF, L I<P.I.> — DDC NR. 266682 — CONTRACT NR. AF 49(638)-388 — PROJ/TASK NR. 9750-37500

AFOSR 1580
POLYTECHNIC INST OF BROOKLYN NY
THREE-DIMENSIONAL VISCOUS WAKES OCT 1961
BY STEIGER, M. M. / BLOOM, M. H. / FERRI, A.<P.I.> — DDC NR. 266617 — CONTRACT NR. AF 49(638)-465 — PROJ/TASK NR. 9781-37712

AFOSR 1581
HARVARD UNIV CAMBRIDGE MASS
CHEMISTRY OF THE METAL CARBONYLS. XV. FLUOROCARBON DERIVATIVES OF IRON CARBONYL
JACS 83 3604-3608 SEP 1961
BY KING R B / STAFFORD S L / TREICHEL P M / STONE F G A — DDC NR. — CONTRACT NR. AF 49(638)-518 — PROJ/TASK NR. 9762-37620

AFOSR 1582
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
SEP 1961 ELECTROMAGNETIC RADIATION FROM A DIPOLE IN AN ANISOTROPIC PLASMA
BY KUEHL, H. H. — DDC NR. 266993 — CONTRACT NR. AF 49(638)-522 — PROJ/TASK NR. 9768-37650

AFOSR 1583
MELLON INST PITTSBURGH PA
KINEMATICAL CONCEPTS WITH APPLICATIONS IN THE MECHANICS AND THERMODYNAMICS OF INCOMPRESSIBLE VISCOELASTIC FLUIDS
ARCH RAT MECH ANAL 9 273-300 1962
BY COLEMAN B D — DDC NR. — CONTRACT NR. AF 49(638)-541 — PROJ/TASK NR. 9760-37600

AFOSR 1584
RUTGERS UNIV NEW BRUNSWICK NJ
NMR MEASUREMENTS OF SELF-DIFFUSION IN NORMAL HYDROGEN GAS FROM 59°K TO 90°K. OCT 1961.
BY LIPSICAS M / TORREY H C<P.I.> / CARR H Y<P.I.> — DDC NR. 266315 — CONTRACT NR. AF 49(638)-755 — PROJ/TASK NR. 9760-37601

AFOSR 1585
CASE INST OF TECHNOLOGY CLEVELAND O
PHTHALOCYANINOALUMINUM COMPOUNDS
INORG CHEM 1 331-333 MAY 1962
BY KENNEY M E / OWEN J E — DDC NR. — CONTRACT NR. AF 49(638)-773 — PROJ/TASK NR. 9762-37620

AFOSR 1586
YALE UNIV NEW HAVEN CONN
THE GEOMETRY OF INTERSECTING LATTICES. OCT 1961
BY MOMENT R L / GORDON R B — DDC NR. — CONTRACT NR. AF 49(638)-786 — PROJ/TASK NR. 9760-37601

AFOSR 1588
KANSAS UNIV LAWRENCE
LIFETIME OF POSITRONS IN LIQUIDS AT HIGH PRESSURE
BY WILSON, R. K. / JOHNSON, P. O. / STUMP, R. — DDC NR. 264957 — CONTRACT NR. AF AFOSR-60-17 — PROJ/TASK NR. 9767

AFOSR 1589
STANFORD UNIV, CALIF
A VARIABLE THRESHOLD MODEL FOR SIGNAL DETECTION, NOV 1961
BY ATKINSON R. C. / SUPPES P. C. <P.I.> — DDC NR. 267254 — CONTRACT NR. AF 49(638)-1037 — PROJ/TASK NR. 9769-37659

AFOSR 1590
SYRACUSE UNIV NY
METRIC ENTROPY, WIDTHS, AND SUPERPOSITIONS OF FUNCTIONS
AMER MATH MONTHLY 69 469-485 JUN-JUL 1962
BY LORENTZ G G — DDC NR. 265349 — CONTRACT NR. AF 49(638)-619 — PROJ/TASK NR. 9752-37522

AFOSR 1591
PRINCETON UNIV NJ
THE MEASUREMENT AND COMPARISON WITH THEORY OF HEAT TRANSFER FROM SIMILAR LAMINAR BOUNDARY LAYERS TO AERODYNAMIC BODIES IN SUPERSONIC AND HYPERSONIC GAS STREAMS
BY REINECKE, W. G. / BOGDONOFF, S<P.I.> — DDC NR. 273311 — CONTRACT NR. AF 49(638)-465 — PROJ/TASK NR. 9781-37712

AFOSR 1592
PRINCETON UNIV NJ
ON THE VISCOUS FLOW NEAR THE STAGNATION POINT ON AN INTERFACE JUN 1961
BY PROSNAK, W. J. / BOGDONOFF, S<P.I.> — DDC NR. 269684 — CONTRACT NR. AF 49(638)-465 — PROJ/TASK NR. 9781-37712

AFOSR 1593
BROWN UNIV PROVIDENCE RI
ON THE STABILITY OF LAMINAR FLAME SEP 1961
BY BOA-TEH CHU / PARLANGE, J. Y. / CHU, B. T. — DDC NR. 167070 — CONTRACT NR. AF 49(638)-646 — PROJ/TASK NR. 267070

AFOSR 1594
BROWN UNIV PROVIDENCE RI
EFFECTS ON CONDUCTION AND VISCOSITY ON THE STABILITY OF LAMINAR FLAME SEP 1961
BY PARLANGE, J. Y. / CHU, B. T. — DDC NR. 269350 — CONTRACT NR. AF 49(638)-646 — PROJ/TASK NR. 9751-37510

AFOSR 1595
GENERAL ELECTRIC CO PHILADELPHIA PA
VELOCITY PROFILES AND EFFICIENCY OF MHD GENERATORS WITH SEGMENTED ELECTRODES SEP 1961
BY YEH, H. / SUTTON, G. W. — DDC NR. 266275 — CONTRACT NR. AF 49(638)-914 — PROJ/TASK NR. 9750-37501

AFOSR 1596
KANSAS UNIV OF LAWRENCE
ELECTROLYTIC GENERATION OF RADICAL IONS IN QUEOUS SOLUTION
JACS 83 3909-3910 SEP 1961
BY PIETTE L H / LUDWIG P / ADAMS R N — DDC NR. — CONTRACT NR. AF 49(638)-822 — PROJ/TASK NR. 9763-37600

AFOSR 1597
CALIFORNIA INST OF TECHNOLOGY, PASADENA, CALIF
COMPUTATION OF SURFACE WAVE DISPERSION FOR MULTILAYERED ANISOTROPIC MEDIA
BUL SEISMOL SOC AMER 52 321-332 APR 1962
BY HARKRIDER D. G. / ANDERSON D. L. / PRESS F. <P.I.> — DDC NR. — CONTRACT NR. AF 49(638)-910 — PROJ/TASK NR. 8652

AFOSR 1598
CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA CALIF
A SPECIAL-PURPOSE PROGRAM FOR EARTHQUAKE LOCATION WITH AN ELECTRONIC COMPUTER
BUL SEISMOL SOC AMER 52 431-437 APR 1962
BY NORDQUIST J. M. / PRESS F. <P.I.> — DDC NR. — CONTRACT NR. AF 49(638)-910 — PROJ/TASK NR. 8652

AFOSR 1600
STANFORD UNIV CALIF
APR 1961 STANFORD MICROWAVE SPECTROHELIOGRAMS FOR 1960 JUNE
BY SWARUP, G. / BRACEWELL, R N<P.I.> — DDC NR. 257820 — CONTRACT NR. AF 18(603)-53 — PROJ/TASK NR. 9768-37650

AFOSR 1601
STANFORD UNIV CALIF
MAY 1961 PROPOSAL LEADING TO FUTURE LARGE RADIO TELESCOPES
BY BRACEWELL, R. N. — DDC NR. 257821 — CONTRACT NR. AF 18(603)-53 — PROJ/TASK NR. 9768-37650

AFOSR 1602
STANFORD UNIV CALIF
JUN 1961 INTERFEROMETRY OF CENTAURUS A
BY BRACEWELL, R. N. — DDC NR. 261737 — CONTRACT NR. AF 18(603)-53 — PROJ/TASK NR. 9768-37650

AFOSR 1603
STANFORD UNIV CALIF
A STUDY OF RADIO-ASTRONOMY RECEIVERS OCT 1961
BY COLVIN, R. S. / BRACEWELL, R N<P.I.> — DDC NR. 268503 — CONTRACT NR. AF 18(603)-53 — PROJ/TASK NR. 9768-37650

AFOSR 1604
STANFORD UNIV CALIF
MAR 1962 STANFORD MICROWAVE SPECTRO HELIOGRAMS FOR 1960 JUL
BY SWARUP, G. / BRACEWELL, R N<P.I.> — DDC NR. 275790 — CONTRACT NR. AF 18(603)-53 — PROJ/TASK NR. 9768-37650

AFOSR 1605
STANFORD UNIV, CALIF
NOV 1961 9-CM OBERSVATIONS OF TAU A, VIR A, CEN A, SAG A, AND THE ORION AND OMEGA NEBULAS
BY LITTLE, A. G. / BRACEWELL, R N<P .I. — DDC NR. 285869 — CONTRACT NR. AF 18(603)-53 — PROJ/TASK NR. 9768-37650

AFOSR 1610
SYRACUSE UNIV NY
AN INFRARED STUDY OF BOND FREQUENCY SHIFTS IN LIQUID
FINLA REPORT OCT 1961
BY FISHMAN E — DDC NR. — CONTRACT NR. AF 49(638)-3 — PROJ/TASK NR. 9760-37600

AFOSR 1613
MARYLAND UNIV OF COLLEGE PARK
ON GENERALIZED AXIALLY SYMMETRIC POTENTIALS OCT 1961
BY GILBERT R P — DDC NR. 267287
WEINSTEIN A<P.I.> — CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-37727

AFOSR 1614
CALIFORNIA UNIV OF BERKELEY
QUASI-ELASTIC NUCLEON-NUCLEUS SCATTERING AT HIGH ENERGY AUG 1961
BY KARPLUS, R. — DDC NR.
YAMAGUCHI, Y. — CONTRACT NR. AF 49<638>-327
KARPLUS, R. <P.I.> — PROJ/TASK NR. 9750-37500

AFOSR 1618
PENNSYLVANIA STATE UNIV, UNIVERSITY PARK
SHOCK WAVE STRUCTURE IN A FULLY IONIZED GAS BASED ON MULTI COMPONENT FLUID THEORY SEP 1961
BY LI, H. — DDC NR. 266620
MATHIEU, R. D. — CONTRACT NR. AF 49<638>-647
PROJ/TASK NR. 9751-37510

AFOSR 1619
YESHIVA UNIV NEW YORK NY
INVESTIGATION OF A VARIATIONAL PRINCIPLE FOR OPEN SYSTEMS 1961
BY LEBOWITZ, J. L. — DDC NR. 269141
MORRIS, E. — CONTRACT NR. AF 49<638>-753
PROJ/TASK NR. 9751-37511

AFOSR 1621
CHICAGO UNIV OF ILL
EFFECT OF UNIAXIAL COMPRESSION ON IMPURITY IN N-TYPE GERMANIUM 17 OCT 1961
PHYS REV 125 1552-1566 MAR 1962
BY FRITZSCHE H — DDC NR.
CONTRACT NR. AF 49<638>-802
PROJ/TASK NR. 9760-37601

AFOSR 1622
CHICAGO UNIV OF ILL
EFFECT OF STRESS ON THE DONOR WAVE FUNCTIONS IN GERMANIUM OCT 1961
PHYS REV 125 1560-1567 MAR 1962
BY FRITZSCHE H — DDC NR.
CONTRACT NR. AF 49<638>-802
PROJ/TASK NR. 9760-37601

AFOSR 1623
C W THORNWAITE ASSOCIATES, CENTERTON, N J
CLIMATIC AND HYDROLOGIC FACTORS AFFECTING THE REDISTRIBUTIO OF SR 90 FINAL REPORT SEP 1961
BY MATHER J R — DDC NR. 266676
NAKAMURA J K — CONTRACT NR. AF 49<638>-887
PROJ/TASK NR. 9774-37665

AFOSR 1624
CALIFORNIA INST OF TECHNOLOGY, PASADENA
APPROXIMATE SPECTRAL ABSORPTION COEFFICIENT CALCULATIONS FOR ELECTRONIC BAND SYSTEMS BELONGING TO DIATOMIC MOLECULES NOV 1961
BY PATCH, R. — DDC NR. 266740
SHACKLEFORD, W. — CONTRACT NR. AF 49<638>-984
PENNER, S. S. — PROJ/TASK NR. 9751-37511

AFOSR 1625
GIANNINI SCIENTIFIC CORP SANTA ANA, CALIF
IONIZATION EXPERIMENT ON AN ELECTRODELESS DISCHARGE WITH TOROIDAL GEOMETRY AUG 1961
BY CHAMBERS, J. E. — DDC NR. 269857
LOOS, H. G. — CONTRACT NR. AF 49<638>-1014
PARK, K. J. — PROJ/TASK NR. 9751-37510
TREAT, R. P.

AFOSR 1626
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
AN EFFECT OF OXYGEN ON GRAIN GROWTH IN ZONE-REFINED LEAD, OCT 1961
TRANS METALL SOC A I ME 224 635-636 JUN 1962
BY BOLLING G F — DDC NR.
TILLER, W A<P.I.> — CONTRACT NR. AF 49<638>-1029
PROJ/TASK NR. 9762-37621

AFOSR 1627
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
SOME THERMAL DATA FOR BI2TE3, OCT 1961
J CHEM PHYS 33 305-306 JUL 1960 ERRATUM J CHEM PHYS 36 1085 1086 FEB 1962
BY BOLLING G F — DDC NR.
CONTRACT NR. AF 49<638>-1029
PROJ/TASK NR. 9762-37621

AFOSR 1628
CALIFORNIA UNIV OF BERKELEY
STATISTICAL STUDY OF PULSE WIDTH MODULATED CONTROL SYSTEMS <I> SEP 1961 SER 60 ISSUE NR 403
J FRANKLIN INST 273 292-321 APR 1962
BY GUPTA, S. C. — DDC NR. 267895
JURY, E. I. — CONTRACT NR. AF 18<600>-1521
PROJ/TASK NR. 9768-37650

AFOSR 1631
GENERAL MOTORS CORP INDIANAPOLIS IND
ANALYSIS OF ENERGY EFFICIENCY OF RAIL ACCELERATORS JUL 1961
BY PALMER, G. M. — DDC NR. 267221
ROSEBROCK, T. L. <P. — CONTRACT NR. AF 49<638>-864
PROJ/TASK NR. 9752-37521

AFOSR 1632
MAY 1961 ELECTRIC PROPULSION RSCH SURVEY
BY BERTHOLD, O. A. — DDC NR. 264767
SLAWSKY, M. M. — CONTRACT NR.
PROJ/TASK NR.

AFOSR 1633
JOHNS HOPKINS UNIV BALTIMORE MD
THE ISOTOPIC-EXCHANGE REACTIONS OF B2H6 WITH DT, HT AND HD
JACS 83 3037-3040 JULY 1961
BY RIGDEN J S — DDC NR.
KOSKI W S — CONTRACT NR. AF 18<600>-1526
PROJ/TASK NR. 9760-37600

AFOSR 1634
POLYTECHNIC INST OF BROOKLYN NY
HYPERSONIC APPROXIMATION FOR THE INVISCID FLOW OVER CONICAL BODIES WITHOUT AXIAL SYMMETRY AND COMPARISON WITH TESTS AT MACH 8
BY ORTLOFF, C. R. — DDC NR. 270609
FERRI, A.<P.I.> — CONTRACT NR. AF 49<638>-217
PROJ/TASK NR. 9781-37712

AFOSR 1636
MICHIGAN UNIV OF ANN ARBOR
THE EFFECTS OF LOAD AND ACCESSIBILITY OF INFORMATION UPON PERFORMANCE OF SMALL TEAMS OCT 1961
BY MOORE H G — DDC NR. 268462
FITTS P M<P.I.> — CONTRACT NR. AF 49<638>-449
PROJ/TASK NR. 9778-37706

AFOSR 1637
C W THORNTHWAITE ASSOCIATES, CENTERTON N J
THE CLIMATIC WATER BALANCE INSTRUCTIONS FOR USE OF THE IBM 602 A CALCULATOR FOR DAILY SOIL MOISTURE ACCOUNTING BY RAY F PENGRA MANUAL FOR USE OF THE IBM 650 CALCULATOR FOR COMPU POTENTIAL EVAPORANSPIRATION AND THE WATER BALANCE BY HOWARD H ENGELBRECHT
BY MATHER J R — DDC NR. 266680
THORNTHWAITE C W<P.I — CONTRACT NR. AF 49<638>-887
PROJ/TASK NR. 9774-37665

AFOSR 1639
CALIFORNIA UNIV OF BERKELEY
OPTICAL MASER BY THE METHOD OF ELECTRON EXCITATION SEP 61
BY LIN, L. — DDC NR. 267896
PEDERSON, D O<P.I.> — CONTRACT NR. AF 49<638>-1043
WHINNERY, J<P.I.> — PROJ/TASK NR. 4751

AFOSR 1640
POLYTECHNIC INST OF BROOKLYN NY
OCT 1961 THEORETICAL AND EXPERIMENTAL INVESTIGATION OF THE LAMINAR HEAT TRANSFER DOWNSTREAM OF A SHARP CORNER PIBAL 708
BY ZAKKAY, V. — DDC NR. 266621
TANI, T. — CONTRACT NR. AF 49<638>-445
FERRI, A.<P.I.> — PROJ/TASK NR. 9781-37712

AFOSR 1641
NEW MEXICO UNIV OF ALBUQUERQUE
THE CORTICAL DESTRUCTION NECESSARY TO PRODUCE A TRANSFER OF A FORCED-PRACTICE FUNCTION
J COMP & PHYSIOL PSYCHOL 54 382-385 1961
BY PETERSON G M — DDC NR.
BARNETT P E — CONTRACT NR. AF 49<638>-501
PROJ/TASK NR. 9778-37708

AFOSR 1642
LONDON UNIV OF ENGLAND
EFFECT OF ISONICOTINYL HYDRAZIDE ON THE PATH OF CARBON IN PHOTOSYNTHESIS
NATURE 190 553-554 MAY 1961
BY PRITCHARD G G — DDC NR.
GRIFFIN W J — CONTRACT NR. AF 61<052>-245
WHITTINGHAM, C P — PROJ/TASK NR. 9777-37704

AFOSR 1643
OSLO UNIV OF NORWAY
INVESTIGATION OF MOLECULAR STRUCTURES, FINAL REPORT AUG 61
BY HASSEL O — DDC NR. 267293
CONTRACT NR. AF 61<052>-71
PROJ/TASK NR. 9760-37600

AFOSR 1646
ROCHESTER UNIV OF NY
PROCEEDINGS OF THE 1960 ANNUAL INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS AT ROCHESTER 25 AUG- 1 SEP 1960
BY SUDARSHAN E C G — DDC NR.
TINLOT J H — CONTRACT NR. AF AFOSR 60-11
MELISSIONOS A C EDS — PROJ/TASK NR. 9751-37512

AFOSR 1647
WESTERN RESERVE UNIV CLEVELAND O
ISOLATED BRAIN AND ACTH RELEASE IN CATS
PHYSIOL AUG 1961
BY REDGATE E S — DDC NR.
YOSHIDA S — CONTRACT NR. AF 49<638>-443
DE LA LASTRA M — PROJ/TASK NR. 9777-37701

AFOSR 1648
WESTERN RESERVE UNIV CLEVELAND O
ISOLATED BRAIN AND ACTH RELEASE IN CATS
PHYSIOL 4 AUG 1961
BY REDGATE E S — DDC NR.
YOSHIDA S — CONTRACT NR. AF 49<638>-443
DE LA LASTRA M — PROJ/TASK NR. 9777-37701

AFOSR 1649
WESTERN RESERVE UNIV CLEVELAND O
SPINAL CORD AND ACTH RELEASE IN ADRENALECTOMIZED RATS
FED PROC 20, MAR 1961
BY REDGATE E S — DDC NR.
SAYERS G<P.I.> — CONTRACT NR. AF 49<638>-443
PROJ/TASK NR. 9777-37701

AFOSR 1650
WESTERN RESERVE UNIV CLEVELAND O
FAILURE OF ANGIOTENSIN TO DEPLETE ADRENAL ASCORBIC ACID
PHYSIOL 4 AUG 1961
BY GANN D S — DDC NR.
REDGATE E S — CONTRACT NR. AF 49<638>-443
SAYERS G<P.I.> — PROJ/TASK NR. 9777-37701

AFOSR 1655
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
PLASMA MOTIONS, THE PROPULSION OF PLASMA BY MAGNETIC MEANS
PROC 9TH INTERNAT ASTON CONG, AMSTERDAM 1958
SPRINGER VERLAG, WIEN 1959 PP. 796-808
BY BOSTICK, W. H. DDC NR. 269302
CONTRACT NR. AF 49(638)-156
PROJ/TASK NR. 9768-97650

AFOSR 1656
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
EXPERIMENTAL STUDIES ON PLASMA DYNAMICS
PROC 3RD BIENNIAL GAS DYN SYMP, DYNAMICS OF CONDUCTING GAS
PP. 107-111, NORTHWESTERN UNIV PRESS, 1960
BY BOSTICK, W. H. DDC NR. 269302
NARDIELLO, J. CONTRACT NR. AF 49(638)-194
KOSLOV, S. PROJ/TASK NR. 9768-97650
SCHMIDT, G.

AFOSR 1659
STEVENS INST OF TECHNOLOGY HOBOKEN NJ
OBSERVATION OF APPARENT FLUTE-TYPE PLASMA INSTABILITY
BY DICKINSON, W. DDC NR. 269302
BOSTICK, W. H. CONTRACT NR. AF 49(638)-156
DIMARCO, J. N. PROJ/TASK NR. 9768-97650
KOSLOV, S.

AFOSR 1694
STEVENS INST OF TECHNOLOGY HOBOKEN NJ
EXPERIMENTAL STUDY OF HIGH TEMPERATURE PLASMA EXPANDING
PERPENDICULAR TO A MAGNETIC FIELD AND THE RESULTING RAY
LEIGH-TAYLOR INSTABILITY
BY DICKINSON, W. DDC NR. 269302
BOSTICK, W. H. CONTRACT NR. AF 49 (638)-156
DIMARCO, J. N. PROJ/TASK NR. 9768-97650
KOSLOV, S.

AFOSR 1697
STEVENS INST OF TECHNOLOGY HOBOKEN NJ
BEHAVIOR OF PLASMOIDS IN A MAGNETIC FIELD IN A VACUUM
BY BOSTICK, W. H. DDC NR. 269302
CONTRACT NR. AF 49(638)-156
PROJ/TASK NR. 9768-97650

AFOSR 1698
DUKE UNIV DURHAM, NC
DUKE MICROWAVE LABORATORY REPORT NR 56 <SEE OVER> FOR
ELECTRON SPIN OF AN IRRADIATED SINGLE CRYSTAL OF DEUTERATED
DL-TARTARIC ZCID, D V G L NARASIMHA RAO, WALTER GORDY
ELECTRON SPIN RESONANCE IN A GAMMA-IRRADIATED SINGLE CRYSTA
OF DIGLYCOLIC ACID MONOHYDRATE, YURIO KURITA ELECTRON-MOLECU
AND ELECTRON-ATOM COLLISION CROSS-SECTIONS FROM A CYCLOTRON
RESONANCE STUDY OF FLAME GASES, P M NOLEWICZ ELECTRON-MOLEC
COLLISION CROSS-SECTIONS IN THE BURNED GASES OF A VARIETY
OF FUELS E M NOLEWICZ, P J RADLEY
BY GOODY, W<P.I.> DDC NR. 262001
CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9768-01

AFOSR 1660
MASSACHUSETTS INST OF TECHNOLOGY* CAMBRIDGE
THEORETICAL STUDY OF INTERACTIONS BETWEEN TWO PARALLEL
BURNING FUEL PLATES
COMB AND FLAME 5 221-227 SEP 1961
BY TOONG, T. Y. DDC NR.
CONTRACT NR. AF 49(638)-629
PROJ/TASK NR. 9781-97510

AFOSR 1661
AEROCHEM RSCH LABORATORIES, INC PRINCETON, NJ
SURFACE TEMPERATURES OF HIGH SPEED RADIATION COOLED BODIES
IN DISSOCIATING ATMOSPHERES
ARS J 31 1619-1619 NOV 1961
BY ROSNER, D. E. DDC NR.
CALCOTT, W. P <P.I.> CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9762-97521

AFOSR 1662
CHICAGO UNIV OF ILLINOIS
AUG 1961 PRIMARY COSMIC-RAY AND SOLAR PROTONS
PHYS REV 124 1566-1577 JAN 1962
BY VOGT, R. DDC NR.
SIMPSON, J. A. <P.I. CONTRACT NR. AF 19(604)-6669
PROJ/TASK NR. 9776-97669

AFOSR 1663
CHICAGO UNIV OF ILL
AUG 1961 THE PRIMARY COSMIC RAY ELECTRON FLUX DURING A
FORBUSH-TYPE DECREASE
J GEOPHYS RSCH 66 3950-3952 NOV 1961
BY MEYER, P. DDC NR.
VOGT, R. CONTRACT NR. AF 19(604)-6669
SIMPSON, J. A.<P.I.> PROJ/TASK NR. 9776-97665

AFOSR 1664
TECHNISCHE HOCHSCHULE VIENNA AUSTRIA
WARMESPANNUNGEN IN DREIECKSFLUGELN THERMAL STRESS IN
DELTA WINGS
OSTERREICHISCHES INGENIEUR-ARCHIV 16 59-67 1961
BY BOSWORTH, I DDC NR.
CONTRACT NR. AF 61(052)-216
CONTRACT NR. 9785-97727

AFOSR 1665
TRIESTE UNIV OF ITALY
SU UN PROBLEMA AL CONTORNO RELATIVO AL SISTEMA DI
RENDICONTI DEL SEMINARIO MATEMATICO D-UNIVERSITA DI
PADOVA PP. 1-99 1961
BY CATTABRIGA, L DDC NR.
CONTRACT NR. AF 61(052)-614
PROJ/TASK NR. 9769-97650

AFOSR 1666
MAX-PLANCK INST FUR STROMUNGSTECHNIK GOTTINGEN, GERMANY
JULY 1961 EXPERIMENTAL INVESTIGATIONS ON THE SCATTERING OF
SOUND BY TURBULENCE
BY SCHMIDT, D. W. DDC NR. 266506
TOLLMIEN, W<P.I.> CONTRACT NR. AF 61(514)-1163
PROJ/TASK NR. 9781-97712

AFOSR 1667
DUKE UNIV DURHAM NO CAR
AN ASYMMETRIC BOUNDARY VALUE PROBLEM OF MIXED TYPE FOR A
HALF-SPACE OCT 1961
BY LOWENSTEIN M DDC NR. 266673
SNEDDON I N CONTRACT NR. AF 49(638)-892
GERGEN J J<P.I.> PROJ/TASK NR. 9769-97650

AFOSR 1668
MARYLAND UNIV OF COLLEGE PARK
SOME ISOPERIMETRIC INEQUALITIES IN THE TORSION PROBLEM FOR
MULTIPLY-CONNECTED REGIONS OCT 1961
STUDIES IN MATHEMATICAL ANALYSIS AND RELATED TOPICS BY
GILBARG SOLOMON ITAL STANFORD U PRESS 1962 PP 270-286
BY PAYNE L E DDC NR. 266910
WEINSTEIN A<P.I.> CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9783-97727

AFOSR 1671
PURDUE UNIV LAFAYETTE IND
THERMODYNAMIC STUDIES ON COMPOUNDS OF GERMANIUM A THESIS 1961
BY MCDONALD J E DDC NR.
GOBBLE J <P.I.> CONTRACT NR. AF 18(600)-1429
PROJ/TASK NR. 9760-97600

AFOSR 1673
TECHNION RSCH & DEVPL HAIFA, ISRAEL
JUNE 1961 ANALYTIC CONTINUATION PARTS 1 AND 2
BY ZABOTINSKY, E. DDC NR. 272618
CONTRACT NR. AF 61(052)-687
PROJ/TASK NR. 9769-97658

AFOSR 1675
BOLT, BERANEK & NEWMAN, INC, CAMBRIDGE, MASS
TWP SYSTEM SYSTEM JAN 1962
BY LICKLIDER J C R DDC NR.
CONTRACT NR. AF 49(638)-999
PROJ/TASK NR. 9778-97706

AFOSR 1676
MARYLAND UNIV OF COLLEGE PARK
ELECTRICAL CONDUCTIVITY OF PARTIALLY IONIZED GASES
PHYS FLUIDS 6,<1150-158,M JAN 1961
BY PIPIN A, C. DDC NR.
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-97713

AFOSR 1678
FLORIDA STATE UNIV TALLAHASSEE
<P,QV REACTION THRESHOLDS IN TI 48, FE56, AND SR 88
PHYS REV 125 2009-2008 MAR 1962
BY NELSON, J. W. DDC NR.
PLENDL, H. S. CONTRACT NR. AF 49 <638>-627
DAVIS, R. H. PROJ/TASK NR. 9750-97500
TERRELL, G. W.<P.I.>

AFOSR 1677
TORONTO UNIV OF CAN
JULY 1961 PRESSURE PROBES IN FREE MOLECULE FLOW
BY EMERMUS, E. R. DDC NR.
HARRIS, F. L. CONTRACT NR. AF 49(638)-201
PATTERSON, G. N. PROJ/TASK NR. 9783-97729

AFOSR 1679
GENERAL ELECTRIC CO CINCINNATI, OHIO
VISCOUS MAGNETOHYDRODYNAMIC BOUNDARY LAYER
PHYS FLUIDS 4,0 952-957,0 MAY 1961
BY SHERMAN A. DDC NR.
GHAI M. L. <P.I.> CONTRACT NR. AF 49(638)-261
PROJ/TASK NR. 9781-97713

AFOSR 1680
CALIFORNIA UNIV OF BERKELEY
INFLUENCE OF WAVE REFLECTIONS ON THE DEVELOPMENT OF
DETONATION
PHYS FLUIDS 4 778-782 JUNE 1961
BY LADERMAN, A. J. DDC NR.
OPPENHEIM, A. K. CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9751-97510

AFOSR 1681
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
ELECTRON-HEAVY PARTICLE COLLISION MODEL IN A PLASMA
PHYS FLUIDS 4 1047-1050 AUG 1961
BY ROSA, T. DDC NR.
EVERTON, J. G. CONTRACT NR. AF 49(638)-811
WILBER, P. C. PROJ/TASK NR. 9783-97729

AFOSR 1682
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
TRANSPORT PHENOMENA IN A FULLY IONIZED GAS CONFINED IN A
STRONG MAGNETIC FIELD
PHYS FLUIDS 4 856-861 JULY 1961
BY ROSA, T. DDC NR.
CHUAN, R. L.<P.I.> CONTRACT NR. AF 49(638)-811
PROJ/TASK NR. 9783-97729

AFOSR 1683
STANFORD UNIV CALIF
EFFECT OF THE PION-NUCLEON INTERACTION ON NUCLEON FORM FACTORS
THE PROCESSES WHERE TWO PI MESONS INTERACT TO GIVE TWO N
MESONS AND WHERE TWO PI MESONS INTERACT AND RESULT IN TWO
PI MESONS OCT 1961
PHYS REV 124 2129-2139 MAR 1962
BY CHEW G F DDC NR. 266681
SCHIFF, L I<-<2,> CONTRACT NR. AF 49<638>-188
PROJ/TASK NR. 9750-97500

AFOSR 1684
STANFORD UNIV CALIF
RADIATIVE CORRECTIONS TO ELECTRON-PROTON SCATTERING OCT 61
PHYS REV 129 2172-2178 MAR 1962
BY ERASS, A. S. DDC NR. 266683
SCHIFF, L. I.<P.I.> CONTRACT NR. AF 49<638>-188
PROJ/TASK NR. 9750-97500

AFOSR 1685
MINNESOTA UNIV OF MINNEAPOLIS
FERROMAGNETIC RESONANCES IN THIN FILMS NOV 1961
J APPL PHYS 33 1146-1147 MAR 1962
BY CHEN D DDC NR.
MORRISH A H CONTRACT NR. AF 49(638)-803
PROJ/TASK NR. 9760-37601

AFOSR 1687
OSLO UNIV OF NORWAY
CRYSTAL STRUCTURE OF THE 1 1 ADDITION COMPOUND DITH ANE
ENDOFORM
ACTA CHEM SCAND 15 1629-1636 1961
BY BJORVATTEN T DDC NR. 266611
HASSEL O CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 1688
UNIV OF MARYLAND COLLEGE PARK
THE REALIZATION OF MOMENTS DERIVED FROM A MASTER
EQUATION NOV 1961
BY SHULER, K. E. DDC NR. 266476
ANDERSEN, P. CONTRACT NR. AF 18(600)-1315
WEISS, G. H. PROJ/TASK NR. 9761-37611
MONTROLL, E W(P.I.)

AFOSR 1689
CORNELL UNIV ITHACA NY
RAMAN INTENSITIES AND THE STRUCTURE OF SOME
DERIVATIONS OF GROUP VII
J CHEM PHYS 34 1268-1271 APR 1961
BY CHANTRY G W DDC NR.
PLANE R A CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR 1690
CORNELL UNIV ITHACA NY
A
THE ASSOCIATION OF TRIETHYLENEDIAMINEPLATINUM (IV) WITH
VARIOUS ANIONS
JACS 82 5787-5790 NOV 1960
BY NYMAN C J DDC NR.
PLANE R A CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR 1691
JOHNS HOPKINS UNIV BALTIMORE MD
SINGLE UNIT STUDIES OF CORTICAL FUNCTIONS FINAL REPORT 1961
BY MOUNTCASTLE V B DDC NR. 267099
CONTRACT NR. AF 49(638)-499
PROJ/TASK NR. 9777-37700

AFOSR 1692
HARVARD UNIV CAMBRIDGE MASS
AN ELECTRON IMPACT INVESTIGATION OF SOME ORGANOBORON
DIFLUORIDES
JACS 84 1154-1158 1962
BY STONE F G A DDC NR.
CONTRACT NR. AF 49(638)-518
PROJ/TASK NR. 9762-37620

AFOSR 1693
ILLINOIS UNIV OF URBANA
ANALYSIS OF DYNAMIC CROSSED-FIELD ELECTRON MULTIPLICATION
1961
BY GADDY, O. L. DDC NR. 267839
HOLSHOUSER, D. F. CONTRACT NR. AF 49(638)-996
PROJ/TASK NR. 9768-37650

AFOSR 1694
MINNESOTA UNIV OF MINNEAPOLIS
THERMODYNAMIC PROPERTIES OF ACTIVATION FOR CIS-AND TRANS-
DEOXYMERCURATION
BY EREEVOY M M DDC NR.
GILGE J W CONTRACT NR. AF 49(638)-711
DITSCH L F PROJ/TASK NR. 9763-37610
BATORFWIRZ W
TURNER RA

AFOSR 1696
CALIFORNIA UNIV OF LA JOLLA
RENORMALIZATION OF MANY-FERMION MOMENTUM-SPACE DISTRIBUTION
IN HIGHER RANDOM PHASE APPROXIMATIONS OCT 1961
PHYS REV 125 1602-1606 FEB 1962
BY BERTHAMER N R DDC NR.
SUHL H CONTRACT NR. AF 49(638)-1038
PROJ/TASK NR. 9763-37631

AFOSR 1697
CALIFORNIA UNIV OF BERKELEY
A CIRCUIT MODEL FOR A SILICON MESA TRANSISTOR
BY CHUA, H. T. DDC NR. 268667
PEDERSON, D. O.<P.I. CONTRACT NR. AF 49(638)-1043
WHINNERY, J. PROJ/TASK NR. 6791

AFOSR 1698
SYRACUSE UNIV NY
INVESTIGATION OF A POSSIBLE DIFFERENCE IN THE ELECTRIC
CHARGES OF THE ELECTRON AND THE PROTON FINAL REPROT OCT 61
BY TRISCHKA, J. W. DDC NR.
CONTRACT NR. AF AFOSR-60-29
PROJ/TASK NR. 9767

AFOSR 1699
CORNELL UNIV ITHACA NY
SYNTHESIS AND MASS SPECTRUM OF B- TRIFLUOROBORAZINE 6
JACS 83 3797-3730 1961
BY RIDIMOSTI D R DDC NR.
CONTRACT NR. AF AFOSR-60-29
PROJ/TASK NR. 9763-37610

AFOSR 1701
US BUREAU OF MINES BARTLESVILLE OKLA
THE HEAT OF FORMATION OF SILICA
INTERNAT CALORIMETRY CONF, OTTAWA AUG 1961
BY GOOD, W. D. DDC NR. 268066
MCCULLOUGH, J P<P.I. CONTRACT NR. CSO 880-99-0
PROJ/TASK NR. 6750-01

AFOSR 1703
MICHIGAN STATE UNIV EAST LANSING
ON THE POSSIBILITY OF THERMOELECTRIC REFRIGERATION AT VERY
LOW TEMPERATURES, NOV 1961
PHIL MAG 7 713-718 APR 1962
BY BLATT F J DDC NR. 267633
CONTRACT NR. AF 49(638)-10
PROJ/TASK NR. 9761-37641

AFOSR 1706
WASHINGTON UNIV SEATTLE
THE RANDOM MOTION OF DEUTERONS IN ED2PO4 NOV 1961
PHYS REV 126 667-697 APR 1962
BY SCHMIDT V H DDC NR.
UEMLING P A CONTRACT NR. AF 49(638)-97
PROJ/TASK NR. 9760-37601

AFOSR 1705
CORNELL UNIV ITHACA NY
CARRIER CHARACTERISTICS IN COPPER-DOPED GOS FROM CONDUCTIVI
HALL VOLTAGE AND THERMAL E. M. F. STUDIES NOV 1961
INORG CHEM 526-531 MAY 1962
BY SIENKO M J DDC NR. 269007
WELLER P F CONTRACT NR. AF 49(638)-141
PROJ/TASK NR. 9762-37621

AFOSR 1706
ILLINOIS UNIV OF URBANA
MOBILITY OF ELECTRONS IN SILVER CHLORIDE AT HIGH ELECTRI
FIELDS, OCT 1961
BY MASUMI T DDC NR. 267726
BROWN F <P.I.> CONTRACT NR. AF 49(638)-479
PROJ/TASK NR. 9763-37631

AFOSR 1707
SYRACUSE UNIV NY
REMARKS ON FORCE CONSTANT MODELS FOR LATTICE DYNAMICS NOV
1961
PHYS REV 124 1905-1910 MAR 1962
BY KAPLAN H DDC NR. 270140
CONTRACT NR. AF 49(638)-442
PROJ/TASK NR. 9760-37601

AFOSR 1708
MCMASTER UNIV ONTARIO CAN
OXIDATION OF AN IRON-5 PERCENT CHROMIUM ALLOY IN THE
TEMPERATURE RANGE 600C-900 C, OCT 1961
BY PERROW J M DDC NR. 269803
SMELTZER W W CONTRACT NR. AF 49(638)-136
PROJ/TASK NR. 9761-37611

AFOSR 1710
NORTHWESTERN UNIV EVANSTON ILL
KINETICS OF FORMATION AND REVERSION OF GUINIER-PRESTON ZONE
IN ALUMINUM-BASE ALLOYS APR 1962(REVERSION AND F
IN ALUMINUM-BASE ALLOYS APR 1962 (REVERSION AND REFORMATION
OF GPI IN AL-17 AT.% CU, BY H HERMAN AND M F FINE
(FORMATION AND REVERSION OF GUINIER-PRESTON ZONES IN AL-4%
AT. % ZN, BY H HERMAN, J H COHEN AND M F FINE
BY HERMAN, H DDC NR. 270461
FINE, M F<P.I.> CONTRACT NR. AF 49(638)-426
PROJ/TASK NR. 9760-37601

AFOSR 1712
PITTSBURGH UNIV OF PA
ANTICIPATION AND BEHAVIOR NOTES ON AN INTELLECTUAL
TRADITION DEC 1961
BY FRANCES A DDC NR. 270729
MEHREVA/SA J <P.I.> CONTRACT NR. AF 49(638)-1116
PROJ/TASK NR. 9770-37733

AFOSR 1719
PENNSYLVANIA UNIV OF PHILADELPHIA
EFFECT OF PROGESTERONE ON PLASMA LUTEINIZING ACTIVITY
AMER J PHYSIOL 202 601-604 APR 1962
BY MCCANN S M DDC NR.
CONTRACT NR. AF 49(638)-605
PROJ/TASK NR. 9777-37701

AFOSR 1714
WESTERN ONTARIO UNIV OF CAN
RESEARCH ON GAS SCINTILLATIONS FROM IONIZING RADIATIONS
FINAL REPORT
BY NICHOLLS, R. W. DDC NR.
CONTRACT NR. AF 49(638)-660
PROJ/TASK NR. 9776-37669

AFOSR 1716
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
EFFECTS OF TRIAXIAL STRESSES ON MECHANICAL PROPERTIES OF
METALS UNDER HIGH PRESSURE FINAL REPORT
BY PAE, K D DDC NR. 266087
SMULL M E CONTRACT NR. AF 49(638)-678
HUAL W PROJ/TASK NR. 9782-37717
MRADIATION, F F
HOFFMAN, R M
SCHAFFER J
LU L W

AFOSR 1718
WASHINGTON UNIV ST LOUIS MO
VARIATIONAL METHOD FOR SCATTERING LENGTH
PHYS REV 126 190-196 OCT 1961
BY OMURA Y DDC NR.
FEENBERG E <P.I.> CONTRACT NR. AF 49(638)-816
COHEN E U<P.I.> PROJ/TASK NR. 9751-37712

AFOSR 1719
CHICAGO UNIV OF ILL
MIDDLE AUDITORY CENTERS AND THE DL FOR SOUND INTENSITIES
FEDERATION PROC 19 MAR 1960
BY GEISTREICH E DDC NR.
DEPP W D CONTRACT NR. AF 49(638)-925
PROJ/TASK NR. 9778-37708

AFOSR 1720
CHICAGO UNIV OF ILL
HIGHER FUNCTIONS OF THE CENTRAL NERVOUS SYSTEM
ANN REV PHYS 22 699-724 1960
BY HERR W A DDC NR,
GOLDBERG J M CONTRACT NR, AF 49(638)-929
PROJ/TASK NR, 9778-37708

AFOSR 1721
PENNSYLVANIA UNIV OF PHILADELPHIA
NEUTRON AND X-RAY DIFFRACTION STUDIES ON THE STRUCTURE OF
WC AND A COMPARISON OF IT WITH EARLIER ELECTRON
DIFFRACTION DATA NOV 1961.
BY PARTHE E DDC NR, 269689
SADAGOPAN, V.<P,I.> CONTRACT NR, AF 49(638)-1027
PROJ/TASK NR, 9763-37631

AFOSR 1722
OXFORD UNIV ENGLAND
CRYSTALLINE TARTRONIC SEMIALDEHYDE REDUCTASE FROM
PSEUDOMONAS OVALIS CHESTER
BIOCHEM BIOPHYS 68 604-609 1961
BY SOTTO A M DDC NR,
KORNBERG H L CONTRACT NR, AF 61(052)-180
KREBS H A<P,I.> PROJ/TASK NR, 9777-37706

AFOSR 1723
MARSEILLE UNIV OF FRANCE
RECHERCHE D-UNE METHODE D-APPROCHE DE L-ACTION
NEUROPHYSIOLOGIQUE DE DIVERSES DROUGUES PSYCHOTROPES CHEZ
L-HOMME, SEARCH FOR A METHOD OF STUDYING THE NEUROPHYSIOLOG
ACTION OF PSYCHOTROPIC DRUGS IN MAN
REV NEUROLOGIQUE 104 227-228 1961
BY PAILLARD J DDC NR,
BERT J CONTRACT NR, AF 61(052)-93
ZWINGELSTEIN J PROJ/TASK NR, 9777-37700
GIUDICELLI P

AFOSR 1724
CAMBRIDGE UNIV OF ENGLND
THE EFFECT OF TWO ,,TRANQUILLIZERS,, ON AUDITORY
DISCRIMINATION AND DELAYED RESPONSE PERFORMANCE OF MONKEYS
JOU J EXPER PSYCH 13 34-39 FEB 1961
BY GROSS C G DDC NR,
WEISKRANTZ L CONTRACT NR, AF 61(052)-189
PROJ/TASK NR, 9777-37700

AFOSR 1726
IST SUPERIORE DI SANITA ROME ITALY
CENTRAL ACTION OF ADRENERGIC-BLOCKING DRUGS OCT 1961
BY DOMER F R DDC NR, 272619
CONTRACT NR, AF 61(052)-469
PROJ/TASK NR, 9777-37700

AFOSR 1727
GAUSTAD MENTAL HOSPITAL OSLO NORWAY
ELECTROENCEPHALOGRAPHIC STUDY OF PILOT STRESSES IN FLIGHT
FINAL REPORT
AEROSP MED 30 797-801 NOV 1959
BY SEM-JACOBSEN C W DDC NR,
CONTRACT NR, AF 61(052)-197
PROJ/TASK NR, 9777-37701

AFOSR 1728
STOCKHOLM UNIV OF SWEDEN
RESEARCH ON HIGH ENERGY ANTIPARTICLE INTERACTIONS FINAL
REPORT SEP 1961
BY ALLAN J DDC NR, 272320
CARLSON P J CONTRACT NR, AF 61 (052)-65
DANIELSSON O PROJ/TASK NR, 9750-37500
FESSPONG A G
FRISK A
HORNE R F
SALLSTROM P

AFOSR 1729
MAX-PLANCK INST FUR AERONOMIE, GERMANY
SEP 1961 A BALLOON BORNE APPARATUS FOR MEASUREMENTS OF
IONIZING RADIATION IN HIGH ALTITUDES
BY ENGE, M. DDC NR, 273078
EHMERT, A. <P,I.> CONTRACT NR, AF 61(052)-372
PFOTZER, G. <P,I.> PROJ/TASK NR, 9776-37665

AFOSR 1730
MAX-PLANCK INST FUR AERONOMIE, GERMANY
SEP 1961 A CONTRIBUTION TO THE MORPHOLOGY OF X-RAY BURSTS
IN THE AURORAL ZONE
J AEROPHYS RSCH 67 579-585 FEB 1962
BY PFOTZER, G. DDC NR, 273079
EHMERT, A. CONTRACT NR, AF 61(052)-372
FROE, E. PROJ/TASK NR, 9776-37665
KEPPLER, E.
MULTHAUPT, H.
OBTHER, J.

AFOSR 1731
POLYTECHNIC INST OF BROOKLYN, NY
ON VISCOUS WAKES OF YAWED INFINITE CYLINDERS AND
AXISYMMETRIC JETS
J AEROSP SCI 29 491-493 APR 1962
BY BLOOM, M. N. DDC NR, 280952
FERRI, A.<P,I.> CONTRACT NR, AF 49(638)-665
PROJ/TASK NR, 9781-37712

AFOSR 1732
CORNELL UNIV ITHACA NY
THE MULTIPLE EXCITATION AND IONIZATION OF INNER ATOMIC SHEL
BY X-RAYS OCT 1961.
BY SCHNOPPER H W DDC NR, 282939
FARRAFF L S<P,I.> CONTRACT NR, AF 49(638)-402
PROJ/TASK NR, 9760-37601

AFOSR 1736
CALIFORNIA UNIV OF BERKELEY, CALIF
COMPUTATIONAL RESEARCH IN ASTROPHYSICS FINAL REPORT NOV 61
BY MEYERS, L. DDC NR,
CONTRACT NR, AF 49(638)-299
PROJ/TASK NR, 9776-37663

AFOSR 1739
MICHIGAN UNIV OF ANN ARBOR MICH
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION IV, SOME EFFEC
OF SOUND AND BACKGROUND BRIGHTNESS ON THE PERCEIVED SIZE OF
COINS AND DISCS NOV 1961
BY ZAJONC R B DDC NR, 267847
DOBFMAN D D CONTRACT NR, AF 49(638)-367
PROJ/TASK NR, 9778-37708

AFOSR 1796
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION V RESPONSE
SUPPRESSION IN PERCEPTUAL DEFENSE NOV 1961
J EXPER PSYCH 64 206-214 1962
BY ZAJONC R B DDC NR, 267848
DOBFMAN D D CONTRACT NR, AF 49(638)-367
PROJ/TASK NR, 9778-37708

AFOSR 1797
MIAMI UNIV OF FLA
INTERPOLATION BY HARMONIC POLYNOMIALS DEC 1961
J SOC INDUS APPL MATH 10 709-736 DEC 1962
BY CURTISS J H DDC NR, 268335
CONTRACT NR, AF 49(638)-867
PROJ/TASK NR, 9760-37650

AFOSR 1798
CALIFORNIA INST OF TECHNOLOGY PASADENA
PART A PRELIMINARY STUDIES ON THE SPECTRUM OF TI I EMITTED
BEHIND REFLECTED SHOCK WAVES IN TI(C)-AR MIXTURES
PART B APPROPRIATE CONTINUOUS OPACITY CALCULATIONS FOR
IONIZED TITANIUM AND CHROMIUM <SR>
BY SHACKLEFORD, W. L. DDC NR, 269010
PERNER, S. S<P,I.> CONTRACT NR, AF 49(638)-VRA
PROJ/TASK NR, 9751-37511

AFOSR 1739

RAREFIED GAS DYNAMICS, PROCEEDINGS OF THE SECOND
INTERNATIONAL SYMPOSIUM ON RAREFIED GAS DYNAMICS, HFL AT HF
UNIVERSITY OF CALIFORNIA, BERKELEY, AUG 1960 ACADEMIC PRESS
1961
BY TALBOT, L. DDC NR,
CONTRACT NR,
PROJ/TASK NR,

AFOSR 1760
CALIFORNIA INST OF TECHNOLOGY PASADENA
EFFECTIVE TEMPERATURES OF F-TYPE STARS USING HY LINE
PROFILES
ASTROPHYS J 135 790-801 MAY 1962
BY SEARLES, L. T. DDC NR,
OKE, J. B. CONTRACT NR, AF 49(638)-2.
GREENSTEIN, J L<P,I. PROJ/TASK NR, 9776-37665

AFOSR 1761
CALIFORNIA UNIV OF LOS ANGELES
A TECHNIQUE FOR THE SYNTHESIS OF LINEAR, NONSTATIONARY
FEEDBACK SYSTEMS - PART I, THE APPROXIMATION PROBLEM CT 61
BY STURREUD A R DDC NR, 270239
ESTRIN F<P,I.> CONTRACT NR, AF 49(638)-618
LEVONDES C T<P,I.> PROJ/TASK NR, 9781-37726

AFOSR 1762
CALIFORNIA UNIV OF LOS ANGELES
A TECHNIQUE FOR THE SYNTHESIS OF LINEAR, NONSTATIONARY
FEEBACK SYSTEMS PART II, THE SYNTHESIS PROBLEM OCT 1961
BY STURBFUD A R DDC NR, 270239
ESTRIN F <P,I.> CONTRACT NR, AF 49(638)-618
LEONDES C T<P,I.> PROJ/TASK NR, 9781-37726

AFOSR 1766
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
ON TRANSPORT PROCESSES IN A PLASMA <KINETIC EQUATION FOR A
PLASMA OCT 1961
BY EGGA, T. DDC NR, 268354
CHUAN, R. L.<P,I.> CONTRACT NR, AF 49(638)-83
PROJ/TASK NR, 9781-37726

AFOSR 1765
POLYTECHNIC INST OF BROOKLYN NY
ON THE NUMERICAL SOLUTION OF THE BLASIUS PROBLEM WITH THREE
POINT BOUNDARY CONDITIONS
J AEROSP SCI 29 480-481 APR 1962
BY TOBA, K. DDC NR,
FERRI, A.<P,I.> CONTRACT NR, AF 49(638)-665
PROJ/TASK NR, 9781-37712

AFOSR 1766
NORTH CAROLINA UNIV OF CHAPEL HILL
OCT 1961 RENORMALIZATION OF A CLASSICAL GRAVITATIONAL FIELD
INTERACTING WITH QUANTIZED MATTER FIELDS
J MATH PHYS 3 608-618 JUL-AUG 1962
BY UTIYAMA, R. DDC NR, 268910
DEWITT, B. S. CONTRACT NR, AF AFOSR 61-72
PROJ/TASK NR, 9776-37665

AFOSR 1769
CALIFORNIA UNIV OF BERKELEY
HIGH FREQUENCY TRANSISTOR OSCILLATORS JUNE 1961
BY PENNY, J. W. DDC NR, 269922
PEDERSON, D. O<P,I.> CONTRACT NR, AF 49(638)-1065
WHINNERY, J. PROJ/TASK NR, 4791

AFOSR 1770
CALIFORNIA UNIV OF BERKELEY
NEURO MUSCULAR CONTROL,* POSSIBLE SUBJECT FOR BIONIC STUDY
AUG 1961
BY FURMAN, G. G. DDC NR, 270452
PEDERSON, D. O<P,I.> CONTRACT NR, AF 49(638)-1065
WHINNERY, J. PROJ/TASK NR, 4791

AFOSR 1791
RIAS INC BALTIMORE MD
A GEOMETRIC INTERPRETATION OF PONTRJAGIN-S MAZIMUM PRINCIPL
DEC 1961
CONTRIBUTION TO SYMP NONLINEAR DIFFERENTIAL EQUATIONS, VOL
1 AND NONLINEAR MECH PP 303-324
BY ROBIN F DDC NR, 268269
LEFSCHETZ S<P,I.> CONTRACT NR, AF 49(638)-382
PROJ/TASK NR, 9781-37726

AFOSR 1752
RIAS INC BALTIMORE MD
THE PROPERTIES OF CONDUCTION ELECTRONS IN ALKALI HALIDE CRYSTALS II. A HARMONIC ANALYSIS OF THE ALTERNATING CURRENT SOLUTIONS OF THE EQUATION FOR MOTION OF MOBILE NEGATIVE CHARGE CARRIERS IN ADDITIVELY COLORED ALKALI HALIDE CRYSTAL NOV 1961
BY HAINES L — DDC NR. 269112
KAHN D — CONTRACT NR. AF 49(638)-1017
PROJ/TASK NR. 9760-37601

AFOSR 1753
WAYNE STATE UNIV DETROIT MICH
MAGNETOACOUSTIC MEASUREMENTS IN SILVER AT 230 MC/SEC AND 4.2LK. NOV 1961
PHYS REV 125 812-818 FEB 1962
BY EASTERLING V J — DDC NR.
BOHM H V — CONTRACT NR. AF 49(638)-832
PROJ/TASK NR. 9760-37601

AFOSR 1754
JOHNS HOPKINS UNIV BALTIMORE, MD
NOV 1961 EVIDENCE FOR A THREE-PION RESONANCE NEAR 550 MEV
BY PEVSNER, A. — DDC NR. 267986
KRAEMAER, R. — CONTRACT NR. AF 18(603)-143
MUSSBAUM, M. — PROJ/TASK NR. 9750-37500
RICHARDSON, E.
SCHLEIN, P.
STRAND, R.
TOOLING, T.

AFOSR 1755
BROWN UNIV PRIVIDENCE, R. I.
ANALYSIS OF A SELF-SUSTAINED NONLINEAR VIBRATION IN A PIPE CONTAINING A HEATER SEP 1961
BY BOA-TEH CHU — DDC NR. 269351
CONTRACT NR. AF 49(638)-646
PROJ/TASK NR. 9751-37510

AFOSR 1756
BROWN UNIV, PRIVIDENCE, RI
EFFECTS OF A MAGNETIC FIELD ON THE STABILITY OF LAMINAR FLAME SEP 1961
BY PARLANGE, J. Y. — DDC NR. 269352
BOA-TEH CHU — CONTRACT NR. AF 49(638)-646
PROJ/TASK NR. 9751-37510

AFOSR 1757
CASE INST OF TECHNOLOGY CLEVELAND O
LOW FIELD DE HAAS-VAN ALPHEN EFFECT IN ZINC. NOV 1961
BY JOSEPH A S — DDC NR. 273017
GORDON W L(P.I.) — CONTRACT NR. AF 49(638)-621
ECK T G(P.I.) — PROJ/TASK NR. 9760-37601

AFOSR 1758
AEROJET-GENERAL CORP, AZUSA, CALIF
KINETICS OF ENERGETIC SPECIES AT LOW TEMPERATURES NOV 61
BY JUDEIKIS, H. S. — DDC NR. 268034
BARSH, M. K. — CONTRACT NR. AF 18(603)-110
FLOURNOY, J. M. — PROJ/TASK NR. 9750-37501
SIEGEL, S.
MOE, G. (P.I.)

AFOSR 1759
MARYLAND UNIV OF COLLEGE PARK
BOUNDS IN THE NEUMANN PROBLEM FOR SECOND ORDER UNIFORMLY ELLIPTIC OPERATORS NOV 1961
BY BRAMBLE J H — DDC NR. 267959
PAYNE L E — CONTRACT NR. AF 49(638)-228
DIAZ J A(P.I.) — PROJ/TASK NR. 9783-05

AFOSR 1760
PITTSBURGH UNIV OF PA
PARAMAGNETIC RESONANCE IN POTASSIUM AZIDE IRRADIATED AT 77°K. NOV 1960
BY ANDERSON J H — DDC NR.
HORST R B — CONTRACT NR. AF 49(638)-323
KEFFER F(P.I.) — PROJ/TASK NR. 9760-37601
DEAN C(P.I.)

AFOSR 1761
POLYTECHNIC INST OF BROOKLYN NY
APPROXIMATE SOLUTIONS FOR AERODYNAMIC HEATING OF REENTRY VEHICLES NOV 1961
BY RUGERS, C. J. — DDC NR. 268826
FERRI, A.(P.I.) — CONTRACT NR. AF 49(638)-445
PROJ/TASK NR. 9781-37712

AFOSR 1762
REPUBLIC AVIATION CORP FARMINGDALE NY
MAGNETIC FIELD MEASUREMENTS IN A CYLINDRICAL PINCH TUBE AUG 1961
BY DONNER, T. — DDC NR. 272935
ARONOWITZ, L. — CONTRACT NR. AF 49(638)-552
KUNEN, A. E.(P.I.) — PROJ/TASK NR. 9752-37521

AFOSR 1763
REPUBLIC AVIATION CORP, FARMINGDALE, N.Y.
CHEMICAL DETONATIONS IN THE UPPER ATMOSPHERE OCT 1961
BY FOREMEN, K. M. — DDC NR. 270927
WILSON, P. — CONTRACT NR. AF 49(638)-552
KUNEN, A. E. (P.I.) — PROJ/TASK NR. 9752-37521

AFOSR 1764
MICHIGAN UNIV OF, ANN ARBOR
AN EXPERIMENTAL AND THEORETICAL STUDY OF STATIONARY GASEOUS DETONATION WAVES OCT 1961 FINAL REPROT
BY NICHOLLS, J. A. — DDC NR. 268927
PHILLIPS, R. L. — CONTRACT NR. AF 49(638)-562
RANGER, A. A. — PROJ/TASK NR. 9751-37510
LELLI, G. J.
COSENS, G. L.
DABORA, E. K.
MORRISON, R. B.
ADAMSON, JR. T. C.

AFOSR 1765
CASE INST OF TECHNOLOGY CLEVELAND O
ALUMINUM AND SILICON HYDROXY AND OXY SYSTEMS OF THE PHTHALOCYANINO TYPE
J INORG CHEM 334-336 1962 139TH MTG AMER CHEM SOC
BY KENNEY M E — DDC NR.
CONTRACT NR. AF 49,638#-773
PROJ/TASK NR. 9762-37620

AFOSR 1766
MINNESOTA UNIV OF MINNEAPOLIS
PRODUCTION OF SMALL SPHERES FROM SUSPENSIONS OF MICROPOWDERS. NOV 1961
REV SCI INSTR 33 377-378 MAR 1962
BY VALSTYN E P — DDC NR.
MORRISH A R — CONTRACT NR. AF 49(638)-803
SEARLE C W — PROJ/TASK NR. 9760-37601

AFOSR 1767
OHIO STATE UNIV COLUMBUS
SYNTHESIS OF HIGHLY-HINDERED ALIPHATIC COMPOUNDS FINAL REPORT NOV 1961
BY NEWMAN M S — DDC NR.
CONTRACT NR. AF 33(616)-3412
PROJ/TASK NR. 9762-37620

AFOSR 1768
PRINCETON UNIV, NJ
SEP 1961 FOURTEENTH AFOSR CONTRACTORS- MEETING ON LIQUID ROCKET COMBUSTION ABSTRACT OF PAPERS
BY GLASSMAN, I.P.I.) — DDC NR. 267915
CROCCO, L. (P.I.) — CONTRACT NR. AF 49(638)-938
PROJ/TASK NR. 9750-37501

AFOSR 1769
POLYTECHNIC INST OF BROOKLYN NY
LINEARIZED DIFFUSION IN A RELAXING GAS
BY SFORZA, P. M. — DDC NR. 268827
BLOOM, M. H. — CONTRACT NR. AF 49(638)-445
FERRI, A.(P.I.) — PROJ/TASK NR. 9781-37712

AFOSR 1775
WESTERN RESERVE UNIV, CLEVELAND, O
INEFFICIENCY OF THE USE OF BOOLEAN FUNCTIONS FOR INFORMATION RETRIEVAL SYSTEMS
COMM ACM 4 557-559 DEC 1961
BY VERHOEFF, J. — DDC NR.
GOFFMAN W. — CONTRACT NR. AF 49(638)-357
BELZER J. — PROJ/TASK NR. 9769-37659

AFOSR 1776
CHICAGO UNIV OF ILL
KINETIC THEORY OF IDEAL IONIC MELTS
TRANS FARADAY SOC 58 499-510 MAR 1962
BY RICE S A — DDC NR.
CONTRACT NR. AF-AFOSR-61-52
PROJ/TASK NR. 9763-37630

AFOSR 1777
CHICAGO UNIV OF ILL
MOBILITY OF IONS IN LIQUID HE4 I AND HE3 AS A FUNCTION OF PRESSURE AND TEMPERATURE
PHYS REV 126 1927-1934 JUN 1962
BY MEYER L — DDC NR.
DAVIS H T — CONTRACT NR. AF AFOSR-61-52
RICE S A — PROJ/TASK NR. 9763-37630
DONNELLY R J

AFOSR 1779
CHICAGO UNIV OF ILL
ON THE KINETIC THEORY OF DENSE FLUIDS. IX. THE FLUID OF RIGID SPHERES WITH A SQUARE-WELL ATTRACTION
J CHEM PHYS 35 2210-2233 DEC 1961
BY DAVIS H T — DDC NR.
RICE S A — CONTRACT NR. AF-AFOSR-61-52
SENGERS J V — PROJ/TASK NR. 9763-37630

AFOSR 1780
CHICAGO UNIV OF ILL
A CONJECTURE CONCERNING THE ELECTRICAL CONDUCTANCE OF METAL-MOLTEN SALT MIXTURES
DISCUSSIONS OF FARADAY SOC NR 32 181-187 1962
BY RICE S A — DDC NR.
CONTRACT NR. AF-AFOSR-61-52
PROJ/TASK NR. 9763-37630

AFOSR 1781
CHICAGO UNIV OF ILL
AN ACOUSTIC CONTINUUM MODEL OF MOLECULAR FRICTION IN SIMPLE DENSE FLUIDS
MOLECULAR PHYS 4 305-310 JUL 1961
BY RICE S A — DDC NR.
CONTRACT NR. AF-AFOSR-61-52
PROJ/TASK NR. 9763-37630

AFOSR 1782
AVCO-EVERETT RSCH LABORATORY, EVERETT, MASS
BASIC STUDIES IN MAGNETOHYDRODYNAMICS FINAL REPROT OCT 1961
BY PATRICK, R. M. — DDC NR. 269797
CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9751-37510

AFOSR 1785
PRINCETON UNIV OF NJ
INITIATION OF METHYL METHACRYLATE BY AROMATIC RADICAL-ANIONS
JACS 84 1391-1393 APR 1962
BY TOBOLSKY A V — DDC NR.
HARTLEY D B — CONTRACT NR. AF 49(638)-974
PROJ/TASK NR.

AFOSR 1786
CORNELL UNIV ITHACA, NY
OCT 1961 CONTRIBUTIONS TO THE THEORY OF THE TWO-SAMPLE PROBLEM
BY BLUMENTHAL S. — DDC NR. 266267
BECHHOFER R. E. (PI) — CONTRACT NR. AF 49(638)-230
PROJ/TASK NR. 9752-37522

AFOSR 1787
HARVARD UNIV, CAMBRIDGE, MASS
FIELD THEORY OF UNSTABLE PARTICLES
ANN PHYS 9 169-193 FEB 1960
BY SCHWINGER, J. DDC NR.
CONTRACT NR. AF 49(638)-589
PROJ/TASK NR. 9750-37500

AFOSR 1788
HARVARD UNIV, CAMBRIDGE, MASS
ON DIFFERENTIALS IN FUNCTION FIELDS
AMER J MATH 83 542-556 JUL 1961
BY ZARISKI, O. DDC NR.
FALB, P. CONTRACT NR. AF 49(638)-496
PROJ/TASK NR. 9783-37727

AFOSR 1789
WISCONSIN UNIV OF MADISON
STUDIES ON THE KINETICS OF PROEIN SYNTHESIS IN YEAST
PROC NAS 47 1415-1423 SEP 1961
BY YOUNG R J DDC NR.
KIHARA H K CONTRACT NR. AF 49(638)-314
HALVORSON H O PROJ/TASK NR. 9777-37702

AFOSR 1791
CALIFORNIA UNIV OF BERKELEY
THE ANALYSIS OF NONLINEAR FEEDBACK SAMPLED-DATA SYSTEMS
JUL 1961
BY PAI, M. A. DDC NR. 271763
JURY, E. I.<P.I.> CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 1794
ST LOUIS UNIV OF MO
I EIGENVALUES AND INDUCED TRANSITION PROBABILITIES FOR AN ANISITROPIC SPIN HAMILTONIAN. II EFFECT OF FINITE PROBABILT ASSOCIATED WITHTHE DETACTION FIELD ON THE ENHANCEMENT OF A RASFR
BY NEUSEL R DDC NR. 289455
NARCHAL M L CONTRACT NR. AF 49(638)-612
BARKER W A<P.I.> PROJ/TASK NR. 9763-37631

AFOSR 1795
MARYLAND UNIV OF, COLLEGE PARK
STREAKLINES IN A PERTURBED SHEAR FLOW
PHYS FLUIDS 5 644-650 JUN 1962
BY HAMA F. R. DDC NR.
CONTRACT NR. AF 49(638)-645
PROJ/TASK NR. 9781-37712

AFOSR 1796
COLUMBIA UNIV NEW YORK, NY
SECORD-ORDER HYPERFINE AND ZEEMAN CORRECTIONS FOR AN <S> CONFIGURATION
PHYS REV 126 1758-1767 JUN 1962
BY LURIO, A. DDC NR.
MANDEL, H. N. CONTRACT NR. AF 49(638)-936
NOVICK, R. PROJ/TASK NR. 9768-37650

AFOSR 1797
WESTINGHOUSE ELECTRIC CORP BALTIMORE MD
A SERIES EXPANSION OF TRU ANOMALY NOV 1961
BY PAUL E W DDC NR. 269726
SHAPIRO, G <P.I.> CONTRACT NR. AF 49(638)-1002
PROJ/TASK NR. 9783-37726

AFOSR 1798
RARE EARTH RESEARCH, BASED ON A SEMINAR AT LAKE ARROWHEAD, CALIFORNIA OCT 1960
MACMILLAN 1961
BY KLEBER E V, ED DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR 1799
ST LOUIS UNIV MO
DYNAMIC NUCLEAR POLARIZATION NOV 1961
REV MOD PHY 34 173-185 APR 1962
BY BARKER W A DDC NR. 295905
CONTRACT NR. AF 49(638)-612
PROJ/TASK NR. 9763-37631

AFOSR 1800
BROWN UNIV PROVIDENCE, RI
THEORETICAL RESEARCH IN COMBUSTION AERODYNAMICS FINAL RPT OCT 1961
BY BOA-TEH CHU DDC NR. 269353
CONTRACT NR. AF 49(638)-646
PROJ/TASK NR. 9751-37510

AFOSR 1802
AEROJET GENERAL CORP, AZUSA, CALIF
HIGH-FREQUENCY COMBUSTION INSTABILITY FINAL REPROT NOV 1961
BY PEOPLES, R. G. DDC NR. 269500
BAKER, P. D. CONTRACT NR. AF 49(638)-178
KNOWLES, L. S. PROJ/TASK NR. 9751-37510
PICKFORD, R. S. <P.I

AFOSR 1802 A
AEROJET-GENERAL CORP, AZUSA, CALIF
JAN 1962 TWO-DIMENSIONAL MOTOR PORGRAM
BY BAKER, P. D. DDC NR.
PEOPLES, R. G. CONTRACT NR. AF 49(638)-178
MILLS, T. R. PROJ/TASK NR. 9751-37510
PICKFORD, R. S. <P.I

AFOSR 1803
MICHIGAN UNIV OF ANN ARBOR
STRONG LUMINOUS SHOCKS PRODUCED IN SHOCK TUBES FINAL REPORT NOV 1961
BY MAUTZ, C. W. DDC NR.
LAPORTE, O. CONTRACT NR. AF 49(638)-439
PROJ/TASK NR. 9767

AFOSR 1804
STANFORD UNIV, CALIF
THE STANFORD UNIVERSITY REAL-TIME SPECTRUM ANALYZER NOV 61
BY HELLIWELL, R. A. DDC NR. 269747
CRARY, J. H. CONTRACT NR. AF 18(603)-126
KATSUFRAKIS, J. P. PROJ/TASK NR. 9768-37650
TRIMPI, M. L.

AFOSR 1806
MARYLAND UNIV OF COLLEGE PARK
COMMENTS ON RADIATION BY PLASMA OSCILLATIONS
PHYS OF FLUIDS 4 1186 SEP 1961
BY TIDMAN, D. A. DDC NR.
MONTROLL, E. W.<P.I. CONTRACT NR. AF 18(600)-1315
PROJ/TASK NR. 9751-37511

AFOSR 1808
MARYLAND UNIV OF
THE FERMI SURFACE FOR AN INTERACTING ELECTRON GAS NOV 1961
BY FULDE P DDC NR. 269076
MEYERS R D CONTRACT NR. AF 49(638)-399
FERRELL R A PROJ/TASK NR. 9763-37631

AFOSR 1809
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
LOW FREQUENCY RADIATION FROM AN ELECTRIC DIPOLE IN A COLD ANISOTROPIC PLASMA NOV 1961
BY KUEHL, H. H. DDC NR. 269771
KAPRIELIAN, Z. A<P.I CONTRACT NR. AF 49(638)-522
PROJ/TASK NR. 9768-37650

AFOSR 1810
FRANKLIN INST PHILADELPHIA PA
DISLOCATIONS AND IMPURITY BOUNDARIES IN ZINC CRYSTALS GROWN FROM THE MELT
ACTA METAL 9 177-183 MAR 1961
BY DAMIANO V V DDC NR.
HERMAN M CONTRACT NR. AF 49(638)-821
PROJ/TASK NR. 9760-37601

AFOSR 1813
FRANKLIN INST PHILADELPHIA PA
TECHNIQUE FOR THE CINEPHOTONICROGRAPHIC STUDY OF ETCHING PHENOMENA
REV SCI INSTR 32 325 327 MAR 1961
BY TINT G S DDC NR.
DAMIANO V V CONTRACT NR. AF 18(600)-1581
SMITH R L PROJ/TASK NR. 9762-37621

AFOSR 1815
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
VISCOSITY DATA ON FLOWS OF DISTILLED WATER THROUGH CYLINDRICAL PIPES
BY LINDGREN, W DDC NR. 271796
CONTRACT NR. AF 61(052)-375
PROJ/TASK NR. 9781-37712

AFOSR 1816
TEXAS TECHNOLOGICAL COLLEGE LUBBOCK
THE REACTION OF THIOAROMATIC COMPOUNDS WITH ACIDS II DIPHENYLDISULFIDE THIANTHRENE AND THIANTHRENE OXIDES
BY SHINE H J DDC NR.
CONTRACT NR. AF AFOSR-61-48
PROJ/TASK NR. 9762-37620

AFOSR 1818
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE, MASS
INSULATING PROPERTIES OF A BOUNDARY LAYER DOWNSTREAM OF A TRANSPIRATION-COOLED REGION
PROC 30 MTG ANN INST AEROSP JAN 1962 PP 41-44
BY GOLLNICK, JR. A. F. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 1819
COLORADO UNIV OF BOULDER
A DETERMINATION OF MOLECULAR ENTANGLEMENTS IN POLYMER SOLUTIONS BY STRAIN BIREFRINGENCE MEASUREMENTS
J POLYMER SCI 60 569-570 1962
BY GILL S J DDC NR. 295865
TOGGENBURGER R CONTRACT NR. AF 49(638)-310
PROJ/TASK NR. 9760-37601

AFOSR 1820
KANSAS UNIV OF LAWRENCE
PHOTOMETRIC TITRATION OF CERTAIN ALDEHYDES WITH SODIUM BORONHYDRIDE
ANAL CHEM 33 1893 1894 1961
BY REYNOLDS C A DDC NR.
CONTRACT NR. AF 49(638)-472
PROJ/TASK NR. 9763-37630

AFOSR 1821
KANSAS UNIV OF LAWRENCE
PHOTOMETRIC TITRATION OF PRIMARY AMINES
ANAL CHEM 34 542-544 1962
BY REYNOLDS C A DDC NR.
CONTRACT NR. AF 49(638)-472
PROJ/TASK NR. 9763-37630

AFOSR 1822
DUKE UNIV DURHAM NO CAR
THE SOLUTION OF A PAIR OF DUAL INTEGRAL EQUATIONS SEP 1961
BY LOWENGRUB M DDC NR.
SNEDDON I N CONTRACT NR. AF 49(638)-892
GERGEN J J PROJ/TASK NR. 9769-37658

AFOSR 1825
WESTINGHOUSE ELECTRIC CORP BALTIMORE MD
ORBITS WITH FIXED LOW THRUST NOV 1961
BY SHAPIRO G DDC NR. 269725
CONTRACT NR. AF 49(638)-1002
PROJ/TASK NR. 9783-37726

AFOSR 1824
JOHNS HOPKINS UNIV, BALTIMORE, MD.
AN EXPERIMENTAL STUDY OF THE HEAT GENERATED DURING TORSIONAL OSCILLATIONS DEC 1961
BY DILLON, J.H. O. W. DDC NR, 268990
CONTRACT NR, AF 49(638)-1031
PROJ/TASK NR, 9762-37710

AFOSR 1825
ZARAGOZA UNIV OF SPAIN
1961 DEGREE OF APPROXIMATE VALIDITY OF THE ADIABATIC INVARIANCE IN QUANTUM MECHANICS
PHYSICA 28 553-560 1962
BY GARRIDO, L. M. DDC NR, 272185
SANCHO, P. J. CONTRACT NR, AF EOAR-61-33
PROJ/TASK NR, 9751-02

AFOSR 1826
WEIZMANN INST OF SCI, REHOVOTH ISRAEL
OCT 1961 THE SPECTRUM OF LiH
BY PRESMES, [illegible] L. DDC NR, 272636
CONTRACT NR, AF 61(052)-510
PROJ/TASK NR, 9751-37511

AFOSR 1827
PARIS UNIV OF, FRANCE
JUL 1961 FINAL STATE INTERACTION IN PROTON-ANTIPROTON ANNIHILATION AT REST
BY BOUCHIAT, C. DDC NR, 272029
FLAMAND, G. CONTRACT NR, AF 61(052)-676
MICHEL, L. <P.I.> PROJ/TASK NR, 9760-37500

AFOSR 1828
SYDNEY UNIV AUSTRALIA
EXTENSIVE SHOWERS AND THE CHARACTERISTICS OF HIGH ENERGY NUCLEAR INTERACTIONS AT AND ABOVE 1016 eV 1961
NUOVO CIM SER X 24 877 890 MAR 1962
BY [illegible] DDC NR,
MC CUSKER C. B. A CONTRACT NR, AF AFOSR-61-92
PROJ/TASK NR, 9776

AFOSR 1829
PARIS UNIV OF FRANCE
THEORETICAL STUDIES OF NUCLEON-NUCLEON INTERACTIONS AND FORCES FINAL REPORT OCT 1961
BY LEVY M DDC NR, 272660
CONTRACT NR, AF 61(052)-179
PROJ/TASK NR, 9750-37600

AFOSR 1830
RADIO CORP OF AMERICA, PRINCETON, NJ
FOCUSING OF A CESIUM PLASMA BY THE APPLICATION OF AN RF FIELD GRADIENT OCT 1961
BY NAPOLI, L. S. DDC NR, 270126
HUTTER, F. C.<P.I.> CONTRACT NR, AF 49(638)-698
PROJ/TASK NR, 9752-37521

AFOSR 1831
LUND UNIV OF SWEDEN
SEP 1961 CELL COMPARTMENT FOR USE AT LIQUID NITROGEN TEMPERATURE IN A DOUBLE-BEAM SPECTROPHOTOMETER
BY ROSENGREN, K. DDC NR, 271962
SUMNER, S. CONTRACT NR, AF 61(052)-66
TIMM, D. PROJ/TASK NR, 9760-37501

AFOSR 1832
LUND UNIV OF SWEDEN
SEP 1961 AN EXPERIMENTAL APPROACH TO THE STUDY OF RADICAL FORMATION AND RECOMBINATION PROCESSES
BY ROSENGREN, K. DDC NR, 271963
SUMNER, S. CONTRACT NR, AF 61(052)-66
TIMM, D. PROJ/TASK NR, 9760-37501

AFOSR 1833
COLLEGE UNIV, CORK, IRELAND
SEP 1961 GROWTH AND COEFFICIENT PROPERTIES OF MULTIVALENT FUNCTIONS FINAL REPORT
BY KENNEDY, P. B. DDC NR, 272312
CONTRACT NR, AF 61(052)-269
PROJ/TASK NR, 9769-37650

AFOSR 1834
ZARAGOSA UNIV OF SPAIN
PRINCIPIO DE ACCION PARA MECANICA CLASICA
ANALES DE LA REAL SOCIEDAD ESPANOLA DE FISICA Y QUIMICA SER A-FIS, 57(A) 59-70 MAR-APR 1961
BY GARRIDO, L. M. DDC NR,
CONTRACT NR, AF EOAR-61-33
PROJ/TASK NR, 9751-02

AFOSR 1835
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS TORINO ITALY
PRELIMINARY EXPERIMENTS ON ELECTROLUMINESCENCE OF ZINC SULFIDE 1961
BY BORTOLOLOI G DDC NR,
BROVETTO, P CONTRACT NR, AF 61(052)-920
CORTESE, C <P.I.> PROJ/TASK NR, 9760-37601

AFOSR 1836
NAPLES UNIV OF ITALY
SOME REMARKS ON THE WICK PRODUCT OF INTERACTING FIELDS
NUOVO CIM SER X 22 879 885 NOV 1961
BY CAMPOLATTARO A DDC NR, 272629
MARINARO M CONTRACT NR, AF 61(052)-634
CATANIELLO F PROJ/TASK NR, 9761-37691

AFOSR 1837
DOCUMENTATION INC, WASH D C
NOV 1961 RESEARCH ON THE DEVELOPMENT OF A STORAGE AND SEARCH THEORY FINAL REPORT
BY TAUBE M. <P.I.> DDC NR, 267606
CONTRACT NR, AF 49(638)-91
PROJ/TASK NR, 9760-37659

AFOSR 1838
POLYTECHNIC INST OF BROOKLYN, NY
ABSTRACT OPERATOR METHODS IN ELECTROMAGNETIC DIFFRACTION AUG 1961
BY MARCUVITZ, N. DDC NR, 273029
WAREO, F.<P.I.> CONTRACT NR, AF [illegible]
TRUSKAL, J. PROJ/TASK NR, 6751

AFOSR 1839
CALIFORNIA INST OF TECHNOLOGY PASADENA
A VACUUM DIFFRACTOMETER FOR HIGH STUDY AND AN INVESTIGATION OF THE ALLOTROPIC TRANSFORMATION OF TITANIUM
FINAL REPORT DEC 1961
BY WILLENS R H DDC NR, 270437
DUWEZ, PR.<P.I.> CONTRACT NR, AF [illegible]
PROJ/TASK NR, 9760-37601

AFOSR 1840
CORNELL UNIV ITHACA, NY
SOME ASPECTS OF THE THEORY OF VIBRATIONAL TRANSITION PROBABILITIES IN MOLECULAR COLLISIONS
FARADAY SOC DISCUSSIONS #33, 1962, P 57-63
BY WIDOM, B. DDC NR, 295861
CONTRACT NR, AF 18(603)-111
PROJ/TASK NR, 9761-37611

AFOSR 1841
AEROCHEM RSCH LABORATORIES, INC, PRINCETON, NJ
PRELIMINARY OBSERVATIONS ON THE EFFUSION COOLING OF CATALYTIC SOLIDS EXPOSED TO PARTIALLY DISSOCIATED NONEQUILIBRIUM GAS STREAMS OCT 1961
BY ROSNER, D. E. DDC NR, 269000
[illegible]ALCOTT, H. E. <P.I. CONTRACT NR, AF 49 <638>-900
PROJ/TASK NR, 9752-37521

AFOSR 1842
ILLINOIS UNIV OF URBANA
LIFETIME OF THE EXCITED F-CENTER NOVU9LU
PHY REV LTRS 8 10 120 JAN 1962
BY SWANG R F DDC NR, 271192
ARNUN P C CONTRACT NR, AF 49(638)-679
PROJ/TASK NR, 9763-37601

AFOSR 1845
AERONAUTICAL RSCH INST OF SWEDEN
JUN 1961 SECOND-ORDER THEORY FOR A THIN WING IN SUPERSONIC FLOW WITH A WEAK SPANWISE ENTROPY GRADIENT
BY WILBY P. G. DDC NR, 267016
BROUGGE G. <P.I.> CONTRACT NR, AF 61(052)-75
PROJ/TASK NR, 9781-37712

AFOSR 1846
LEIDEN STATE UNIV OF NETHERLANDS
SOME DEDUCTIONS FROM A FORMAL STATISTICAL MECHANICAL THEORY OF CHEMICAL KINETICS
J CHEM PHYS 35 19-28 JUL 1961
BY BOSS, J. DDC NR,
MAZUR, P. CONTRACT NR, AF 61(052)-16
DE GROOT, S. R<P.I.> PROJ/TASK NR, 9761-37511

AFOSR 1847
LEIDEN STATE UNIV OF NETHERLANDS
ON THE QUANTUM STATISTICAL BASIS OF NON-EQUILIBRIUM THERMODYNAMICS II
PHYSICA 27 957-979 1961
BY VLIEGER, J. DDC NR,
MAZUR, P. CONTRACT NR, AF 61(052)-16
DEGROOT, S. R. PROJ/TASK NR, 9761-37511

AFOSR 1848
LEIDEN STATE UNIV OF NETHERLANDS
ON THE QUANTUM STATISTICAL BASIS OF NON-EQUILIBRIUM THERMODYNAMICS III
PHYSICA 27 976-979 1961
BY VLIEGER, J. DDC NR,
MAZUR, P. CONTRACT NR, AF 61(052)-16
DEGROOT, S. R. PROJ/TASK NR, 9761-37511

AFOSR 1849
CAMBRIDGE UNIV OF ENGLAND
STRUCTURAL INVESTIGATIONS BY X-RAY DIFFRACTION METHODS OF TRANSITION METAL ALLOYS FINAL REPORT AUG 1961
BY TAYLOR W H DDC NR, 272209
PEACE P J CONTRACT NR, AF 61(052)-90
PROJ/TASK NR, 9760-37601

AFOSR 1851
PITTSBURGH UNIV OF PA
ANALYSIS OF COLD WAR OUTCOMES WHICH THE MAJOR POWERS ARE SEEN AS DESIRING MOST AND LEAST JAN 1962
BY SHIVELY S F DDC NR, 270750
REMVEVAPA J CONTRACT NR, AF 49(638)-1116
PROJ/TASK NR, 9770-37759

AFOSR 1852
PITTSBURGH UNIV OF PA
EXPLORATIONS IN PERSONAL AND NATIONAL EFFICACY JAN 1962
BY WALTON D DDC NR, 270751
REMVEVOPA J CONTRACT NR, AF 49(638)-1116
PROJ/TASK NR, 9770-37759

AFOSR 1853
AIR FORCE OF SCIENTIFIC RSCH DIRECTORATE OF CHEM SCIENCES
CHEMISTRY PROGRAM REVIEW FY 1961 DEC 1961
BY MORREY, A G DDC NR,
SMITH B W CONTRACT NR,
PROJ/TASK NR,

AFOSR 1856
MARYLAND UNIV OF COLLEGE PARK
SOME PROPERTIES OF GENERALIZED ANALLY SYMMETRIC POTENTIALS NOV 1961
ARMB J MATH 86 675 686 JUL 1962
BY GILBERT R P DDC NR, 269871
WEINSTEIN A CONTRACT NR, AF 49(638)-220
PROJ/TASK NR, 9781-37727

AFOSR 1855
OHIO STATE UNIV COLUMBUS
INSTABILITY OF ANTIFERROMAGNETIC SCREW TYPE STRUCTURE OF AN ELECTRON GAS
PHYS RFV 126 526 528 OCT 1961
BY YOSHIMORI A DDC NR.
KORRINGA J CONTRACT NR. AF 49(638)-264
PROJ/TASK NR. 9760-97601

AFOSR 1856
MARYLAND UNIV OF COLLEGE PARK
SOLID STATE THEORY FINAL REPORT NOV 1961
BY MEYERS RD DDC NR.
PERKELL W A CONTRACT NR. AF 49(638)-399
PROJ/TASK NR. 9769-97631

AFOSR 1857
MARYLAND UNIV OF COLLEGE PARK
CONSIDERATIONS ON THE OPTICS OF THE INTEGRATING SCHLIEREN INSTRUMENT <FR 1961
BY DEBOER, P. C. T. DDC NR. 260915
RUPGERS J. M. CONTRACT NR. AF 49(638)-601
PROJ/TASK NR. 9761-97732

AFOSR 1858
NORTHWESTERN UNIV EVANSTON ILL
KINETICS OF INITIAL SINTERING OF VACUUM REDUCED TITANIUM DIOXIDE DEC 1961
BY WHITMORE W M DDC NR. 269923
KAGAL T CONTRACT NR. AF 49(638)-636
PROJ/TASK NR. 9762-97621

AFOSR 1869
PURDUE UNIV LAFAYETTE IND
NUCLEOPHILIC REACTIONS OF THIOLS WITH ACETYLENES AND CHLOROETHYLENES
ORGANIC SULFUR COMPOUNDS PERGAMON PRESS 1961 PP 112 120
BY TRUCE W E DDC NR.
CONTRACT NR. AF 49(638)-531
PROJ/TASK NR. 9762-97620

AFOSR 1864
CORNELL UNIV ITHACA NY
A STUDY OF MAGNETOHYDRODYNAMIC CONDUCTION DEVICES FEB 1962
BY LYONS, J. W. DDC NR. 272202
TURCOTTE D. L. CONTRACT NR. AF 49(638)-566
SEARS W. R. <P.I.> PROJ/TASK NR. 9781-97712

AFOSR 1865
TORONTO UNIV OF CAN
ANALYSIS OF THE PERFORMANCE OF THE TUIA RANDOM LOAD FATIGUE FACILITY OCT 1961
BY CARR J B DDC NR.
POPPLETON, E D<P.I.>,MCONTRACT NR. AF 49(638)-560
PROJ/TASK NR. 9782-97710

AFOSR 1866
CORNELL UNIV ITHACA NY
THE BLUNT-LEADING-EDGE PROBLEM IN HYPERSONIC FLOW DEC 1961
BY OGUCHI H. DDC NR. 272083
BRADLEY R. <P.I.> CONTRACT NR. AF 49(638)-A76
PROJ/TASK NR. 9781-97713

AFOSR 1867
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
COORDINATE SYSTEMS IN CONTINUUM MECHANICS AUG 1961
BY JAUNZEMIS, W. DDC NR. 270941
CONTRACT NR. AF 49(638)-705
PROJ/TASK NR. 9782-97710

AFOSR 1868
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
CONSTITUTIVE EQUATIONS FOR THERMOVISCOELASTICITY OCT 1961
BY COWIN, S. C. DDC NR. 270942
JAUNZEMIS W<PI> CONTRACT NR. AF 49(638)-705
PROJ/TASK NR. 9782-97710

AFOSR 1869
YESHIVA UNIV NEW YORK, NY
STATISTICAL MECHANICS OF TRANSPORT PROPERTIES IN NON-EQUILIBRIUM AND DISSIPATIVE SYSTEMS FINAL REPROT NOV 61
BY LEBOWITZ, J. L. DDC NR. 269164
CONTRACT NR. AF 49(638)-753
PROJ/TASK NR. 9761-97611

AFOSR 1870
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE DISTRIBUTION OF CHARGED PARTICLES NEAR A CHARGED <PHYSICAL BODY IN MOTION NOV 1961
BY KOGA, T. DDC NR. 270693
CHUAN P L<PI> CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9781-97729

AFOSR 1871
NORTHWESTERN UNIV EVANSTON ILL
HYDROGENATION OF 5 5 DIMETHYL 1 4 PENTADIENE ON NICKEL CATALYSTS A TEST OF THE DEGREE OF DIFFUSIONAL CONTROL IN CATALYTIC HYDROGENATIONS
J PHYS CHEM 65 1158 1163 JUL 1961
BY CIOLA R DDC NR.
BURWELL JR R L CONTRACT NR. AF 49(638)-935
PROJ/TASK NR. 9761-97610

AFOSR 1872
WESTINGHOUSE ELECTRIC CORP
SUMS OF SERIES INVOLVING BESSEL COEFFICIENTS NOV 1961
BY PAUL F W DDC NR. 270035
SHAPIRO, G <P.I.> CONTRACT NR. AF 49(638)-1002

AFOSR 1879
CHICAGO UNIV OF ILL
KINETIC THEORY OF DENSE FLUIDS 2 MEASUREMENT AND INTERPRETATION OF SELF DIFFUSION IN LIQUID AR KR XE AND CH4
J CHEM PHYS 36 2710 2720 MAY 1962
BY NAGHIZADEH J DDC NR.
RICE S A CONTRACT NR. AF AFOSR-61-92
PROJ/TASK NR. 9769-97690

AFOSR 1876
LIEGE UNIV, BELGIUM
ASYMPTOTIC REPRESENTATION OF THE SPECTRAL FUNCTION OF SELF-ADJOINT ELLIPTIC OPERATORS OF THE SECOND ORDER WITH VARIABLE COEFFICIENTS II
SAME AS ABOVE
BY MUREAU, F. J. DDC NR.
CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-97658

AFOSR 1878
STANFORD UNIV CALIF
A VISUAL STUDY OF THE FLOW MODEL IN THE LATER STAGES OF LAMINAR-TURBULENT TRANSITION ON A FLAT PLATE DEC 1961
BY MEYER, R. A. DDC NR. 271174
KLEBE, S. J. CONTRACT NR. AF 49(638)-201
PROJ/TASK NR. 9781-97712

AFOSR 1876
PRINCETON UNIV NJ
EXPLORATORY STUDIES OF A LOW HIGH MACH NUMBER WIND TUNNEL USING FREON 14 AS THE WORKING FLUID DEC 1961
BY GEORGE, A. R. DDC NR. 272140
KOGOROFF S<PI> CONTRACT NR. AF 49(638)-1445
PROJ/TASK NR. 9781-97712

AFOSR 1877
MINNESOTA UNIV OF MINNEAPOLIS
ACID BASE STRENGTH IN DIMETHYLSULFOXIDE
INORGAN CHEM 1 189 194 MAY 1962
BY BOLTHOFF I M DDC NR.
REDDY T B CONTRACT NR. AF 49(638)-519
PROJ/TASK NR. 9769-97610

AFOSR 1878
MINNESOTA UNIV OF MINNEAPOLIS
EXPERIMENTAL AND THEORETICAL EVALUATIONS OF THE RATES WITH AN EFFECT T
TETRAHEDRON 5 233 242 1959
BY FREEMAN W W DDC NR.
CONTRACT NR. AF 49(638)-711
PROJ/TASK NR. 9761-97610

AFOSR 1879
MINNESOTA UNIV OF MINNEAPOLIS
REACTION OF 1 IODOPERFLUORO 2 PROPANOL AND ITS METHYL ETHER WITH NON HALOGEN ACIDS
JACS 81 1099 1101 1959
BY FREEMAN W W DDC NR.
CONTRACT NR. AF 49(638)-711
PROJ/TASK NR. 9761-97610

AFOSR 1882
CHICAGO UNIV OF ILL
CONCENTRATION DEPENDENCE OF THE FRICTIONAL COEFFICIENT OF POLYMERS IN SOLUTION
J CHEM PHYS 36 2999 3001 JUN 1962
BY RICE S A DDC NR.
CONTRACT NR. AF-AFOSR 61-92
PROJ/TASK NR. 9761-97610

AFOSR 1883
HEBREW UNIV JERUSALEM ISRAEL
RESEARCH IN THE AREA OF MATHEMATICAL ANALYSIS
BY DVORETZKY A DDC NR. 272613
FOGUEL S R CONTRACT NR. AF 61(052)-187
ZAPIMOWSKI A PROJ/TASK NR. 9782-97522
KESTEN H
HALPIN
ROBINSON A
LINDENSTRAUSS J
AGMON, S, <P.I.>

AFOSR 1884
HEBREW UNIV, JERUSALEM, ISRAEL
AUG 1961 POSITIVE CONTRACTIONS
BY FOGUEL, S. R. DDC NR. 27.166
AGMON, S, <P.I.> CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9782-97622

AFOSR 1886
VIENNA UNIV OF AUSTRIA
SYMMETRIES IN QUANTUM FIELD THEORIES NOV 1961
BY THIRRING W F DDC NR. 272169
WILLI CONTRACT NR. AF 61(052)-264
WESS J PROJ/TASK NR. 9761-97612

AFOSR 1887
VIENNA UNIV OF AUSTRIA
ON THE DECAY OF THE MU MESON TO AN ELECTRON AND A GAMMA RAY OCT 1961
BY FLAMM D DDC NR. 272611
THIRRING W F CONTRACT NR. AF 61(052)-264
PROJ/TASK NR. 9761-97612

AFOSR 1888
VIENNA UNIV OF AUSTRIA
MODELS FOR COMPOUND PARTICLES NOV 1961
BY THIRRING W F DDC NR.
CONTRACT NR. AF 61(052)-264
PROJ/TASK NR. 9761-97612

AFOSR 1889
BRUSSELS UNIV OF BELGIUM
JUL 1961 THEORETICAL INVESTIGATION OF PROSIVE BURNING OF SOLID PROPELLANTS FINAL REPORT
BY VANDENKERCKHOVE, J. ADDC NR. 272008
CONTRACT NR. AF 61(052)-396
PROJ/TASK NR. 9761-97610

AFOSR 1890
CALIFORNIA UNIV OF BERKELEY
MODIFIED LEE MODELS AND THE FIELD THEORETICAL DEFINITION OF ELEMENTARY PARTICLE OCT 61
BY CALOGERO, F. DDC NR. 272206
KARPLUS, R. <P.I.> CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9750-97600

AFOSR 1891
HARVARD UNIV CAMBRIDGE MASS
CONNECTION BETWEEN GAUGE INVARIANCE AND MASS
PHYS REV 126 1963-1967 MAY 1962
BY GILBERT, W. DDC NR,
ROULWARE, D. G. CONTRACT NR, AF 49(638)-589
GLAUBER R J<PI> PROJ/TASK NR, 9760-37600

AFOSR 1893
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
THERMODYNAMIC COUPLING IN BOUNDARY LAYERS OCT 1961
ARSJ 32 1053-1059 JUL 1962
BY BARON J. R. DDC NR, 273368
CONTRACT NR, AF 49(638)-269
PROJ/TASK NR, 9781-37712

AFOSR 1894
RUTGERS UNIV NEW BRUNSWICK NJ
A COMPARATIVE STUDY OF THREE SYSTEMS OF INFORMATION RETRIEVA
RUTGERS UNIV PRESS, 1961
BY STEVENS M. D. DDC NR, 260860
SHAW R. <P,I.> CONTRACT NR, AF 49(638)-868
PROJ/TASK NR, 9769-37699

AFOSR 1896
MARYLAND UNIV OF COLLEG PARK
THE STABILITY OF THE PINCH WITH ANISOTROPIC PRESSURE, DATED
DECEMBER 1961
BY JAGGI, R. E. DDC NR, 269292
MONTROLL E W<PI> CONTRACT NR, AF 18(600)-1315
PROJ/TASK NR, 9761-37611

AFOSR 1897
PURDUE UNIV LAFAYETTE IND
THE OXIDATION AND STOICHIOMETRY OF PRASEODYMIUM AND
CERIUM OXIDES FINAL REPORT AUG 1961
BY CLIFFORD A F DDC NR, 269098
CONTRACT NR, AF 18(603)-65
PROJ/TASK NR, 9760-37601

AFOSR 1898
ILLINOIS UNIV OF URBANA
APPLICATION OF TUNNEL DIODES IN LINEAR NETWORK SYNTHESIS,
DEC 1961
BY SHENOI, B. A. DDC NR, 271179
VAN VALKENBURG M E<P CONTRACT NR, AF 49(638)-63
PROJ/TASK NR, 9768-37650

AFOSR 1899
MINNESOTA UNIV OF MINNEAPOLIS
THE NATURE OF THE RATE-DETERMINING STEP IN
DEOXYMERCURATION
JACS 82 799 769 1960
BY FREEVOY H W DDC NR,
CONTRACT NR, AF 49(638)-711
PROJ/TASK NR, 9763-37630

AFOSR 1900
US RUBBER CO WAYNE N J
DECAY STUDIES OF THE EVEN-EVEN ISOTOPES ER 172 AND DY 166
PHY REV 126 662-666 APR 1962
BY GUNNING H DDC NR, 278597
STONER A W CONTRACT NR, AF 49(638)-81
PROJ/TASK NR, 9760-37600

AFOSR 1901
CALIFORNIA INST OF TECHNOLOGY PASADENA
RADIATIVE TRANSFER STUDIES AND OPACITY CALCULATIONS FOR
HEATED GASES JAN 1962
BY PENNER, S. S. DDC NR, 271787
PATCH, R. W. CONTRACT NR, AF 49(638)-984
PROJ/TASK NR, 9751-37511

AFOSR 1903
WESTERN ONTARIO UNIV OF CAN
TRANSITION PROBABILITIES OF MOLECULAR BAND SYSTEMS XXI
NUMERICAL SOLUTION OF THE SCHRODINGER WAVE EQUATION DATED
NOVEMBER 19, 1961
BY JARMAIN, W. R. DDC NR, 276605
NICHOLLS R W<PI> CONTRACT NR, AF AFOSR-61-88
PROJ/TASK NR, 9776-37665

AFOSR 1906
GENERAL ELECTRIC CO CINCINNATI, O
DEC 1961 OBSERVED EMISSIVITIES OF ROCKET COMBUSTION GASES,
FINAL REPORT
BY ROBINSON, D. E. DDC NR, 269587
VAN GROUW, S. J. CONTRACT NR, AF 49(638)-8
PROJ/TASK NR, 9761-37610

AFOSR 1909
COLUMBIA UNIV NY
ULTRASONIC DELAY LINE DEVELOPMENT, JAN 1962
BY ONEILL L. M. <P,I.> DDC NR, 271710
CONTRACT NR, AF 49(638)-1113
PROJ/TASK NR, 2837

AFOSR 1906
MICHIGAN STATE UNIV EAST LANSING
INTERACTION OF ELECTROMAGNETIC RADIATION WITH CRYSTAL
LATTICES FINAL REPORT NOV 1961
BY MONTGOMERY D J DDC NR, 270482
HAMMERLE W G CONTRACT NR, AF 49(638)-627
PROJ/TASK NR, 9760-37601

AFOSR 1908
RENSSELAER POLYTECHNIC INST TROY N Y
RANDOM VIBRATION OF ELASTIC STRINGS AND BARS JAN 1962
BY BOYCE W E DDC NR, 272037
HANDELMAN G H CONTRACT NR, AF 49(638)-967
PROJ/TASK NR, 9782-37717

AFOSR 1909
FREE UNIV OF BRUSSELS, BELGIUM
EQUIVALENCE BETWEEN THE TWO GENERALIZED MASTER EQUATION
BY FUJITA, S. DDC NR, 289191
PRIGOGINE I<PI> CONTRACT NR, AF EOAR-62-16
PROJ/TASK NR, 9791-62

AFOSR 1910
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FIELD EMISSION STUDIES OF METAL SURFACES
FINAL REPORT DEC 1961
BY MULLER E W DDC NR, 270227
CONTRACT NR, AF 49(638)-906
PROJ/TASK NR, 9761-37611

AFOSR 1911
JOBBER BUSINESS MACHINES, INC., GAITHERSBURG, MD.
OUTLINE OF A GENERAL THEORY OF INDEX TERMINOLOGY AND INDEXIN
METHODS OCT 1960
BY JOBBER P. DDC NR, 272820
CONTRACT NR, AF 49(638)-961
PROJ/TASK NR, 9760-37699

AFOSR 1912
COLUMBIA UNIV NY
TWO-DIMENSIONAL FILTERING <U> JAN 1962 CONFIDENTIAL REPORT
BY O-NEILL L. M. <P,I.> DDC NR, 320285
CONTRACT NR, AF 49(638)-1113
PROJ/TASK NR, 2837

AFOSR 1913
COLUMBIA UNIV NY
COMPUTING TECHNIQUES, JAN 1962
BY O-NEILL L. M. <P,I.> DDC NR, 271707
CONTRACT NR, AF 49(638)-1113
PROJ/TASK NR, 2837

AFOSR 1914
PITTSBURGH UNIV OF PA
ANTICIPATED CHANGES OF NON-COMMUNIST NATIONS
TOWARD COMMUNISM
BY WALTON D M DDC NR, 271902
NEHNEVAJSA J CONTRACT NR, AF 49(638)-1116
PROJ/TASK NR, 9779-37733

AFOSR 1915
PITTSBURGH UNIV OF PA
PERCEIVED ECONOMIC AND MILITARY STRENGTH OF NATIONS FEB 1962
BY SHIVELY S F DDC NR, 272036
NEHNEVAJSA J CONTRACT NR, AF 49(638)-1116
PROJ/TASK NR, 9779-37733

AFOSR 1916
ILLINOIS UNIV OF URBANA
BASIC RESEARCH IN HIGH PWER MICROWAVES, PLASMAS, PARTICLE
BEAMS, CONTROL SYSTEMSAND HIGH VACUUM ELECTROPHYSICS <U>
AUG 1961 FINAL SUMMARY REPORT CONFIDENTIAL REPROT
BY ALPERT D<PI> DDC NR,
CONTRACT NR, DA 36-039-SC-85122
PROJ/TASK NR, 4751

AFOSR 1918
CALIFORNIA UNIV OF BERKELEY
COMMITMENT TIME A PRELIMINARY STUDY DEC 1961
BY GOTTSDANKER R W DDC NR,
BRALEY L S CONTRACT NR, AF 49(638)-730
PROJ/TASK NR, 9778-37708

AFOSR 1919
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PENNA
THE EFFECTS OF INSTRUCTIONAL SETS ON THE PERCEPTION OF
PERIPHERAL VISUAL STIMULI
J EXPER PSYCHOL 62 533 536 1961
BY KARN H W DDC NR, 271754
GREGG L W CONTRACT NR, AF 49(638)-770
PROJ/TASK NR, 9778-37708

AFOSR 1920
CALIFORNIA INST OF TECHNOLOGY PASADENA
DEC 1961 SOME REMARKS ON INTEGRAL MOMENT METHODS FOR
LAMINAR BOUNDARY LAYERS WITH APPLICATION TO SEPARATION AND
REATTACHMENT
BY LEES L. DDC NR, 275993
REEVES B. L. CONTRACT NR, AF 49(638)-916
PROJ/TASK NR, 9781-37712

AFOSR 1921
UPPSALA UNIV OF SWEDEN
X-RAY INVESTIGATIONS OF MN3P MN2P AND MN12P DEC 1961
ACTA CHEM SCAND 16 992-998 1962
BY RUNDQVIST S DDC NR, 276278
NAGG G CONTRACT NR, AF 61(052)-60
PROJ/TASK NR, 9767-37621

AFOSR 1922
UPPSALA UNIV OF SWEDEN
REFINEMENT OF THE MN3P STRUCTURE JAN 1962
BY RUNDQVIST S DDC NR,
HASSLER E CONTRACT NR, AF 61(052)-60
LUNDVIK L PROJ/TASK NR, 9762-37621
NAGG G

AFOSR 1931
CALIFORNIA INST OF TECHNOLOGY, PASADENA
SOURCE-MECHANISM FROM SPECTRA OF LONG-PERIOD SEISMIC
SURFACE WAVES 2. THE MONGOLIAN EARTHQUAKE OF DEC 4, 1957
J GEOPHYS RSCH 67 1963-1994 MAY 1962
BY BEN-MENAHEM A DDC NR,
TOKSOZ M. N. CONTRACT NR, AF 49(638)-910
PRESS F. <P,I.> PROJ/TASK NR, 8692

AFOSR 1932
CORNELL UNIV ITHACA N Y
X RAY FLUORESCENCE YIELD OF ARGON DEC 1961
BY WATANABE T DDC NR, 270819
SCHNOPPER H W CONTRACT NR, AF 49(638)-602
CIRILLO R M PROJ/TASK NR, 9760-37601
PARRATT, L G

AFOSR 1933
UTAH UNIV OF SALT LAKE CITY
INVESTIGATION OF HIGH VELOCITY IMPACT AND SOME HIGH EXPLOSI
PHENOMENA FINAL REPORT DEC 1961
BY COOK, M. A. DDC NR, 269769
EYES, R. T. CONTRACT NR, AF 18(603)-100
PROJ/TASK NR, 9751-37511

AFOSR 1956
STANFORD UNIV CALIF
THERMODYNAMICS PROPERTIES OF FINITE CHAINS OF EXCHANGE COUPLED ATOMS
BY GRIFFITHS, R. B. DOC NR.
PAKE G E<PI> CONTRACT NR. AF 18<603>-131
PROJ/TASK NR. 9791-02

AFOSR 1959
GENERAL APPLIED SCI LABORATORIES, INC, HEMPSTEAD NY
SOUND FIELD DISTRIBUTION ABOUT A JET DEC 1961
BY SLUTSKY S. DOC NR. 271007
TAMAGNO J. CONTRACT NR. AF 49<638>-196
ARNOLD L. <P.I.> PROJ/TASK NR. 9781-97712

AFOSR 1956
RIAS INC BALTIMORE MD
STABILITY AND CONTROL DEC 1961
, SIAM CONTROL SER A 1 5 19 1962
BY LASALLE J P DOC NR.
LEFSCHETZ S CONTRACT NR. AF 49<638>-382
PROJ/TASK NR. 9781-97726

AFOSR 1957
UTAH UNIV OF SALT LAKE CITY
HIGH-VELOCITY IMPACT STUDIES FINAL REPORT OCT 1961
BY DOC NR. 271670
CONTRACT NR. AF 49<638>-462
PROJ/TASK NR. 9791-97911

AFOSR 1958
UTAH UNIV OF SALT LAKE CITY
PRECISION MEASUREMENT OF LEAD-TO-LEAD IMPACT, OCT 1961
BY CHIOU, CHING-HUEI DOC NR. 270909
GROW, G. W. CONTRACT NR. AF 49<638>-462
PALMER, E. P. PROJ/TASK NR. 9791-97911

AFOSR 1959
UTAH UNIV OF SALT LAKE CITY
, A LABORATORY INVESTIGATION OF METEOR PHYSICS, OCT 1961
BY JENSEN, J. B. DOC NR. 270181
PALMER, E. P. CONTRACT NR. AF 49<638>-462
GROW J W<PI> PROJ/TASK NR. 9791-97911

AFOSR 1960
UTAH UNIV OF SALT LAKE CITY
CHARGING, INITIAL ACCELERATION AND DETECTION OF MICRON DIAMETER PARTICLES DEC 1961
BY PALMER, E. P. DOC NR. 270967
HARRISON, D. R. CONTRACT NR. AF 49<638>-462
GROW, R. W. , PROJ/TASK NR. 9791-97911

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AMER J OF PHYSIOL 203 366 970 AUG 1962
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BY ROSEN R DOC NR.
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BY WALLACE, R. J. DOC NR. 270916
HOOPER, W. L. CONTRACT NR. AF 18<603>-142
GARRETT, B. B. PROJ/TASK NR. 9791-97910
ANDERSON, R. C.
MATDEN F A<DI>

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A SCHWARZ LEMMA FOR AXIALLY SYMMETRIC POTENTIALS DEC 1961
BY GILBERT R P DOC NR. 270970
WEINSTEIN A CONTRACT NR. AF 49<638>-220
PROJ/TASK NR. 9781-97727

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CALIFORNIA UNIV OF BERKELEY
LAW OF CONSERVATION OF MUONS FEB 1961
BY FEINBERG, G. DOC NR. 272207
WEINBERG, S. CONTRACT NR. AF 49<638>-527
KARPLUS, R. <P.I.> PROJ/TASK NR. 9750-97500

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MIDWEST RESEARCH INST KANSAS CITY MO
LARGE DEFLECTION PANEL FLUTTER JAN 1962
BY ZETTL, P. F. DOC NR. 270855
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BY KUHLMAN-WILSDORF D DOC NR. 269940
MADDIN R CONTRACT NR. AF 49<638>-635
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ANALYSIS OF LONGITUDINAL HIGH FREQUENCY COMBUSTION INSTABILITY IN A GAS FUELED ROCKET MOTOR DEC 1961
BY DOETZMEYER, H. G. DOC NR. 270765
CROCCO, L. CONTRACT NR. AF 18<600>-1927
GLASSMAN, I<P.I.> PROJ/TASK NR. 9750-97901

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JAN 1962
J CHEM PHYS 37 220 229 JUL 1962
BY GENDELL J DOC NR. 279086
COTES R M CONTRACT NR. AF 49<638>-191
SIEMKO M J PROJ/TASK NR. 9762-97621

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RESEARCH ON THE IGNITION OF SOLID PROPELLANTS FINAL REPORT DEC 1961
BY MERMANCE, C. E. DOC NR. 270112
WEBBGRAD, J. CONTRACT NR. AF 49<638>-611
HALL, E. P. PROJ/TASK NR. 9751-97910
SUMMERFIELD, M.<P .I

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MICHIGAN UNIV OF ANN ARBOR
SINTERING OF ZINC OXIDE MAR 1962
BY HARRIS L P DOC NR.
PARRAVANO G CONTRACT NR. AF 49<638>-693
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OXIDATION OF METALS AND ALLOYS FINAL REPORT DEC 1961
BY BIRCHENALL C E DOC NR. 270091
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RESEARCH ON SOLID PROPELLANT IGNITABILITY AND IGNITER CHARACTERISTICS FINAL REPORT DEC 1961
BY GRANT, F. H. DOC NR. 270116
MERMANCE, C. E. CONTRACT NR. AF 49<638>-960
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BY KUSUKAWA, K. DOC NR. 274917
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BY PELMAS, R. DOC NR. 270113
GLASSMAN, I. CONTRACT NR. AF AFOSR-62-90
WEBB, M. PROJ/TASK NR. 9750-02
CROCCO, L.<P.I.>

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BY LINDGREN, F. R. DOC NR. 271795
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BY SHAFT, R. D. DOC NR. 282967
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THEORY OF MAGNETIC EXCHANGE-LATTICE RELAXATION IN TWO FREE RADICALS, DATED 15 NOVEMBER 1961
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PAKE G E<DI> CONTRACT NR. AF 18<603>-131
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PAYNE L E CONTRACT NR. AF 49<638>-778
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BY ALEXANDER P J — DOC NR. 277987
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J PHYSIOL 155 385-398 1961
BY HUBEL D H — DOC NR.
WIESEL T N — CONTRACT NR. AF 49(638)-719
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BY BOBROVI, A. B. — DOC NR. 280911
WEBER E(PI) — CONTRACT NR. AF 18(600)-1505
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TRUSAL J G

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JAN 1962 MICROANALYSIS WITH ULTRASOFT X-RADIATIONS
ADVANCES IN X-RAY ANALYSIS
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RESEARCH IN PLASMA AND MAGNETOHYDRODYNAMICS DEC 1961
BY SAPIRSTEIN, E. A. — DOC NR. 272808
CONTRACT NR. AF 49(638)-927
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MARK W. D. — CONTRACT NR. AF 49(638)-566
LAGRAZ R. E. — PROJ/TASK NR. 9782-97710

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E AND E MESON CONTRIBUTIONS TO LEPTONIC DECAY
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SAKON D S(PI) — CONTRACT NR. AF 49(638)-717
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JAN 1962 THEORETICAL INVESTIGATIONS OF THE DYNAMICS OF BODIES ENTERING THE ATMOSPHERE FINAL REPORT
BY EYKEN, O. T. — DOC NR. 272996
CONTRACT NR. AF 49(638)-761
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RESEARCH ON SOLID-PROPELLANT COMBUSTION FINAL REPORT DEC 61
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LEVY, J. B. — CONTRACT NR. AF 49(638)-819
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A QUASI CASCADED PARAMETRIC AMPLIFIER
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GAINES B M — CONTRACT NR. AF 49(638)-906
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SUPPL J APPL PHYS V 32 OCT 1961 W A BENJAMIN INC N Y
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EFFECT OF AUTOROMIC AFFERENT IMPULSES ON BRAINSTEM NEURONS SEP 1961
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IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS ITALY
SEARCH FOR AN EFFECT OF SURFACE CHARGING ON THE SUPERCONDUCTING TRANSITION TEMPERATURE OF TIN FILMS
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BY BORGHIGLIOLI G — DOC NR. 272233
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GOODMAN B B — PROJ/TASK NR. 9760-97601

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RESEARCH ON COMPARISON OF CELL ACTIVITY IN DIFFERENT BRAIN STRUCTURES NOV 1961 FINAL REPORT
BY SCHLAG J D — DOC NR. 272972
CONTRACT NR. AF 61(052)-22
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AFOSR 2014
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GUALTIEROTTI T — CONTRACT NR. AF 61(052)-23
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CONTRACT NR. AF 61 (052)-62
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IST NAZIONALE DI OTTICA ITALY
ON THE FLUCTUATION OF VISUAL RESOLUTION
ATTI DELLA FONDAZIONE GIORGIO RONCHI
16 297 261 MAY JUN 61
BY CORTICELLI M DDC NR.
TORALDI DI FRANCIA G CONTRACT NR. AF 61(052)-80
PROJ/TASK NR. 9777-97701

AFOSR 2017
IST NAZIONALE DI OTTICA ITALY
ON THE INFLUENCE OF SPECTRAL COMPOSITION OF THE STIMULUS ON
THE ELECTRORETINOGRAPHIC INTENSITY FUNCTION
ATTI DELLA FONDAZIONE GIORGIO RONCHI
16 262 272 MAY JUN 1961
BY ERCOLES A M DDC NR.
TORALDI DI FRANCIA G CONTRACT NR. AF 61(052)-80
PROJ/TASK NR. 9777-97701

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IST NAZIONALE DI OTTICA ITALY
SPEED OF READING AND DIFFERENTIAL BINOCULAR ADAPTATION
I PRELIMINARY REPORT
ATTI DELLA FONDAZIONE GIORGIO RONCHI 16 383 407
JUL AUG 1961
BY CORTICELLI M DDC NR.
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PROJ/TASK NR. 9777-97701

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II BLUE RED GREEN SPOTS IN EXTRAFOVEAL VISION
ATTI DELLA FONDAZIONE GIORGIO RONCHI
16588 396 JUL AUG 1961
BY RONCHI L DDC NR.
TORALDO DI FRANCIA G CONTRACT NR. AF 61(052)-80
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THE METABOLISM OF C2 COMPOUND IN MICRO-ORGANISMS
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TARTRONIC SEMIALDEHYDE REDUCTASE
BIOCHEM J 81 271 284 1961
BY GOTTO AM DDC NR.
KORNBERG H L CONTRACT NR. AF 61(052)-180
KREBS H A PROJ/TASK NR. 9777-97704

AFOSR 2021
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SEDIMENTATION BEHAVIOUR OF THE ENZYME
BIOCHEM J 81 285 1961
BY RODGERS A DDC NR.
KREBS H A CONTRACT NR. AF 61(052)-180
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AFOSR 2022
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SEPARATION OF CELL COMPONENTS BY DIFFERENTIAL
CENTRIFUGATION
BY BLASCHKO H DDC NR.
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EFFECT OF RESERPINE ON THE 5-HYDROXYTRYPTAMINE AND
ADENOSINETRIPHOSPHATE OF THE DOG INTESTINAL MUCOSA
BR J PHARMACOL & CHEMOTHERAPY 17 87 91 AUG 1961
BY PROUSOFF W H DDC NR.
CONTRACT NR. AF 61(052)-239
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AFOSR 2024
LONDON UNIV OF ENGLAND
THE EFFECT OF CARBON DIOXIDE CONCENTRATION LIGHT INTENSITY
AND ISONICOTINYL HYDRAZIDE ON THE PHOTOSYNTHETIC
PRODUCTION OF GLYCOLLIC ACID BY CHLORELLA NOV 1961
BY PRITCHARD G G 271970
GRIFFIN W J CONTRACT NR. AF 61(052)-269
WHITTINGHAM, C P PROJ/TASK NR. 9777-97704

AFOSR 2025
LUND UNIV OF SWEDEN
UPTAKE OF DOPAMINE BY THE STORAGE GRANULES OF THE
ADRENAL MEDULLA IN VITRO
ACTA PHYSIOL SCAND 52 167 170 1961
BY BERTLER A DDC NR.
HALL G CONTRACT NR. AF 61(052)-267
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ROSENGREN E
CARLSSON A

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LONDON UNIV OF ENGLAND
PERCEPTION OF DISTANCE IN ANIMAL ECHO LOCATION
NATURE 190 582 583 APR 1961
BY PYE J D DDC NR.
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PROJ/TASK NR. 9777-97700

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SOME SUBSTITUTED CYCLOPENTADIENYL DERIVATIVES OF NICKEL
COBALT IRON MOLYBDENUM AND TITANIUM OCT 1961
J CHEM SOC YOR 6019 6024 OCT 1961
BY GREEN G R DDC NR.
MURRO J D CONTRACT NR. AF 61(052)-321
PAUSON P L PROJ/TASK NR. 9762-97620
SMITH G H
WATTS W E

AFOSR 2028
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SEP 1961 THE EFFECT OF AXIAL CONSTRAINT ON THE INSTABILITY
OF THIN CIRCULAR CYLINDRICAL SHELLS UNDER UNIFORM AXIAL
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INT J MECH SCI 4 253-258 1962
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CONTRACT NR. AF 61(052)-339
PROJ/TASK NR. 9782-97717

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VARIOUS MOLECULES FINAL REPORT
BY LINNETT, J. W. DDC NR. 272022
CONTRACT NR. AF 61(514)-1117
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AFOSR 2030
OSLO UNIV NORWAY
INCREASE OF PLASMA 17-HYDROXYCORTICOSTEROIDS BY CEREBRAL
CORTICAL AND AMYGDALOID STIMULATION IN THE CAT
J ENDOCRIN 22 119 127 1961
BY SPYKFLFIV J DDC NR.
SEAUG O F CONTRACT NR. AF 61(514)-1127
HAADA B B PROJ/TASK NR. 9777-97700

AFOSR 2031
BIAS INC BALTIMORE MD
FURTHER COMMENTS ON THE DERIVATION OF TRAUBE-S RULE
BY ARANOW R H DDC NR.
WITTER L CONTRACT NR. AF 49(638)-739
PROJ/TASK NR. 9761-97610

AFOSR 2036
CALIFORNIA UNIV OF LOS ANGELES
SYNTHESIS OF SHAPING FILTERS FOR NONSTATIONARY STOCHASTIC
PROCESSES AND THEIR USES AUG 1961
BY STEAR E DDC NR. 270207
ESTRIN E CONTRACT NR. AF 49(638)-438
LEONDES C T PROJ/TASK NR. 9761-97726

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PURDUE UNIV LAFAYETTE IND
THE STEREOCHEMISTRY OF THE NUCLEOPHILIC ADDITION OF P
TOLUENETHIOL TO L TOLYLSULFONYLCYCLOHEXENE
JACS 83 4661-4663 NOV 1961
BY TRUCE W F DDC NR.
LEVY A J CONTRACT NR. AF 49(638)-511
PROJ/TASK NR. 9762-97620

AFOSR 2039
PURDUE UNIV LAFAYETTE IND
THE STEREOCHEMISTRY OF THE ADDITION OF MESITYLENETHIOL TO
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JACS 83 4656 4661 NOV 1961
BY TRUCE W F DDC NR.
KLEIN H G CONTRACT NR. AF 49(638)-511
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AFOSR 2040
ILLINOIS UNIV OF URBANA
MAGNETORESISTANCE OF THE SILVER HALIDES DEC 1961
BY TIPPINS JR H H DDC NR. 271391
BROWN F C CONTRACT NR. AF 49(638)-579
PROJ/TASK NR. 9760-97601

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CASE INST OF TECHNOLOGY CLEVELAND O
LOW TEMPERATURE STUDY OF THE ELECTRONIC BAND STRUCTURE OF
METALS AND THEIR DILUTE ALLOYS 1961
BY GORDON W L DDC NR. 273018
ECK T G CONTRACT NR. AF 49(638)-671
PROJ/TASK NR. 9760-97601

AFOSR 2044
CORNELL UNIV ITHACA N Y
ROLE OF ALDOLASE IN PHOTOSYNTHESIS I ENZYME STUDIES WITH
PHOTOSYNTHETIC ORGANISMS WITH SPECIAL REFERENCE TO BLUE
GREEN ALGAE
PLANT PHYSIOL 37 602 606 MAY 1962
BY FEWSON C A DDC NR.
AL-MAFIDH M CONTRACT NR. AF 49(638)798
GIBBS M PROJ/TASK NR. 9777-05

ILLINOIS UNIV OF URBANA
PART I EXCITONS AND PLASMONS IN SUPERCONDUCTORS
PART II LIFETIME EFFECTS IN CONDENSED FERMION
SYSTEMS NOV 1961
BY BARDASIS A DDC NR. 271181
SCHRIEFFER J R CONTRACT NR. AF 49(638)-882
PROJ/TASK NR. 9763-97611

AFOSR 2047
STANFORD RSCH INST MENLO PARK CALIF
CHEMICAL REACTIONS IN THE LOWER AND UPPER ATMOSPHER
PROC OF AN INTERNAT SYMP SAN FRANCISCO APR 1961
INTERSCIENCE PUBL 1961
BY CADLE R D DDC NR.
CONTRACT NR. AF 49(638)-959
PROJ/TASK NR. 9760-97600

AFOSR 2048
RENSSELAER POLYTECHNIC INST, TROY NY
LINEARIZED DISSOCIATING GAS FLOW PAST SLENDER BODIES JAN 62
BY LI, T. Y. DDC NR. 276110
WANG, H. C. CONTRACT NR. AF 49(638)-977
PROJ/TASK NR. 9781-97713

AFOSR 2049
RENSSELAER POLYTECHNIC INST TROY NY
SOME RECENT RESULTS N
SOME RECENT RESULTS ON NONEQUILIBRIUM DISSOCIATING GAS
DYNAMICS FINAL REPORT JAN 1962
BY LI, T. Y. DDC NR. 276107
CONTRACT NR. AF 49(638)-977
PROJ/TASK NR. 9781-97713

AFOSR 2050
MILAN UNIV OF ITALY
CATHODIC REDUCTION OF OXYGEN AND HYDROGEN PEROXIDE ON
PLATINUM PALLADIUM AND IRIDIUM SMOOTH ELECTRODES DEC 1961
BY BIANCHI G DDC NR. 277196
MAZZA F CONTRACT NR. AF 61(052)-260
MUSSINI T PROJ/TASK NR. 9761-97610

AFOSR 2051
MILAN UNIV OF ITALY
OXYGEN AND HYDROGEN PEROXIDE ELECTROCHEMICAL BEHAVIOR ON COPPER ELECTRODES JAN 1962
BY BIANCHI G — DDC NR. 291689
CAPRIOGLIO G — CONTRACT NR. AF 61(052)-260
MAZZA F — PROJ/TASK NR. 9761-37610
MUSSINI T

AFOSR 2052
MILAN UNIV OF ITALY
OXYGEN AND HYDROGEN PEROXIDE ELECTROCHEMICAL BEHAVIOR ON CHROMIUM NICKEL COBALT AND STAINLESS STEEL ELECTRODES FEB 1962
BY BIANCHI G — DDC NR. 278690
MAZZA F — CONTRACT NR. AF 61(052)-260
MUSSINI T — PROJ/TASK NR. 9761-37610

AFOSR 2053
MILAN UNIV OF ITALY
BASIC RESEARCHES ON METAL CORROSION ELECTROCHEMICAL BEHAVIOR OF OXYGEN AND HYDROGEN PEROXIDE FINAL REPORT MAR 1962
BY BIANCHI G — DDC NR. 283522
MAZZA F — CONTRACT NR. AF 61(052)-260
MUSSINI T — PROJ/TASK NR. 9761-37610

AFOSR 2054
MILAN UNIV OF ITALY
OXYGEN AND HYDROGEN PEROXIDE ELECTROCHEMICAL BEHAVIOUR ON GOLD ELECTRODES DEC 1961
BY BIANCHI G — DDC NR. 276134
MAZZA F — CONTRACT NR. AF 61(052)-260
MUSSINI T — PROJ/TASK NR. 9761-37610

AFOSR 2056
YALE UNIV NEW HAVEN CONN
SYMMETRY PROPERTIES OF WAVE FUNCTIONS IN MAGNETIC CRYSTALS PHYS REV 127 391 404 JUL 1962
BY DIMMOCK J O — DDC NR. 271644
WHEELER R G — CONTRACT NR. AF 49(638)-503
PROJ/TASK NR. 9760-37601

AFOSR 2057
NEW YORK UNIV NY
LOW FREQUENCY ABSORPTION PROJECT FINAL REPORT NOV 1961
BY BEERS, Y. — DDC NR. 289175
CONTRACT NR. AF 49(638)-259
PROJ/TASK NR. 9768-37650

AFOSR 2058
NORTH CAROLINA UNIV OF CHAPEL HILL
SEP 1961 QUANTUM THEORY WITHOUT ELECTROMAGNETIC POTENTIALS PHYS REV 125 2189-2191 1962
BY DEWITT, B. S. — DDC NR. 270562
CONTRACT NR. AF AFOSR 61-72
PROJ/TASK NR. 9774-37665

AFOSR 2059
PRINCETON UNIV NJ
COMBUSTION PROCESSES IN LIQUID PROPELLANT ROCKET MOTORS FINAL REPORT DEC 1961
BY GLASSMAN, I. — DDC NR. 272924
CONTRACT NR. AF 18(600)-1527
PROJ/TASK NR. 9750-37501

AFOSR 2060
ILLINOIS UNIV OF URBANA
CRITICAL PATH ANALYSIS OF TIME-ORDERED CONSTRUCTION AND ASSEMBLY PROJECTS DEC 1961
BY MYERS, B. R. — DDC NR. 273034
VAN VALKENBURG M E(P — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 2061
MARYLAND UNIV OF COLLEGE PARK
A NECESSARY AND SUFFICIENT CONDITION IN THE MAXIMUM MINIMUM THEORY OF EIGENVALUES JAN 1962
STUDIES IN MATH ANAL AND RELATED TOPICS ED BY GILBARG SOLOMON ETAL STANFORD U PRESS 1962 429 434
BY WEINSTEIN A — DDC NR. 271136
CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR 2066
HARVARD UNIV, CAMBRIDGE, MASS
THEORY OF MANY-PARTICLE SYSTEMS II. SUPERCONDUCTIVITY PHYS REV 124 670-697 NOV 1961
BY KADANOFF, L. P. — DDC NR.
MARTIN P C — CONTRACT NR. AF 49(638)-589
BLAUBER R J(PI) — PROJ/TASK NR. 9750-37500

AFOSR 2067
ILLINOIS UNIV OF URBANA
METAL-GAS EQUILIBRIUM AND THE NIOBIUM NITROGEN SOLID SOLUTION JAN 1962
BY COST JR — DDC NR. 273232
WERT C A — CONTRACT NR. AF 49(638)-672
PROJ/TASK NR. 9760-37601

AFOSR 2071
CORNELL AERONAUTICAL LABORATORY, INC BUFFALO, NY
SEP 1962 CATALYTIC SURFACE RECOMBINATION IN BOUNDARY-LAYER PROFILES OF THE FALKNER-SKAN TYPE
BY RAE W. J. — DDC NR. 288024
HARTUNIAN R. A. (P.I — CONTRACT NR. AF 49(638)-782
PROJ/TASK NR. 9781-37713

AFOSR 2072
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO NY
INVISCID HYPERSONIC AIR-FLOWS WITH COUPLED NONEQUILLIBRIUM PROCESSES
BY HALL, J. G. — DDC NR. 277142
ESCHENROEDER A. Q. — CONTRACT NR. AF 49(638)-792
MARRONE P. V. — PROJ/TASK NR. 9781-37713

AFOSR 2074
SYRACUSE UNIV N Y
VIRTUAL PARTICLES
PHYS REV 126 1873 1875 JUN 1962
BY BARUT A O — DDC NR.
CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9751-37512

AFOSR 2075
NORTHWESTERN UNIV EVANSTON, ILL
RESEARCH ON STELLAR IMAGE MOTION AND SCINTILLATION PINTERIM JAN 1962 FINAL REPORT.
BY WOOD R. K. — DDC NR. 273154
WHITE W. C. — CONTRACT NR. AF 49(638)-941
HYNEK J A(PI) — PROJ/TASK NR. 9774-37663

AFOSR 2082
DUKE UNIV DURHAM, N C
ELECTRON SPIN RESONANCE OF IRRADIATED SINGLE CRYSTAL OF TRIFLUOROACETAMIDE DEC 1961
IN DUKE MICROWAVE LAB RPT NR 35
BY LONTZ R — DDC NR.
GORDY W — CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9768-01

DUKE UNIV DURHAM N C
MILLIMETER WAVE SPECTROSCOPY OF HIGH TEMPERATURE MOLECULAR BEAMS.* CESIUM AND RUBIDIUM HALIDES DEC 1961
BY RUSK J. R. — DDC NR.
GORDY — CONTRACT NR. AF 49(638)765
PROJ/TASK NR. 9768-01

AFOSR 2084
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE OF FREE RADICALS PRODUCED BY GAMMA IRRADIATION OF VARIOUS SUBSTANCES AT 4.2OK DEC 1961
PHYS REV 125.*242-247.* JAN 1962
BY REXROAD H. N. — DDC NR.
GOEDY W. — CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9768-01

AFOSR 2086
HEBREW UNIV. JERUSALEM ISRAEL
ON THE EXTENSION PROPERTY FOR COMPACT OPERATORS OCT 1961
BY LINDENSTRAUSS J. — DDC NR. 272265
AGMON S. — CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-37522

AFOSR 2087
NORTH STAFFORDSHIRE UNIV COLLEGE OF KEELE ENGLAND
HEATS OF FORMATION OF ORGANO-METALLIC COMPOUNDS TRIETHYL ALUMINIUM DEC 1961
BY MORTIMER C. T. — DDC NR. 271705
CONTRACT NR. AF 61(052)-307
PROJ/TASK NR. 9750-37501

AFOSR 2088
KAROLINSKA INST ST OCKHOLM SWEDEN
ADRENALINE EXCRETION DURING RESTING CONDITIONS AND AFTER INSULIN IN ADRENALECTOMIZED HUMAN SUBJECTS
ACTA ENDOCRIN 38 441 448 1961
BY U S VON VON EULER — DDC NR.
IKKOS D — CONTRACT NR. AF 61(052)-309
LUFT R — PROJ/TASK NR. 9777-37701

AFOSR 2089
KAROLINSKA INST STOCKHOLM SWEDEN
CORRELATION OF ION EXCHANGE COLUMN WITH MOLECULAR STRUCTURE OF BONE ANNUAL SUMMARY REPORT 1 NOV 60 THROUGH 31 OCT 61
BY CARLSTROM D — DDC NR. 272230
CONTRACT NR. AF 61(052)-386
PROJ/TASK NR. 9777-37702

AFOSR 2090
ATHENS UNIV OF ATHENS GREECE
INVESTIGATION OF HEAT VIBRATIONS IN SOLIDS BY USING X-RAYS FINAL REPORT AUG 1961
BY BOSCOVITS J. — DDC NR. 272414
ROILOS M — CONTRACT NR. AF 61(514)-1248
MOURIKIS S — PROJ/TASK NR. 9763-37631
THEODOSSIOU A
ALEXOPOULOS K

AFOSR 2092
MICHIGAN UNIV OF ANN ARBOR
THE MEASUREMENT OF FUNCTIONAL LOAD APR 1962
BY THATCHER J. W. — DDC NR. 277622
WANG W. S. Y. — CONTRACT NR. AF 49(638)-492
PETERSON G. E. (P.I. — PROJ/TASK NR. 9769-37659

AFOSR 2093
MICHIGAN UNIV OF ANN ARBOR
ACOUSTICAL CHARACTERISTICS OF SELECTED ENGLISH CONSONANTS JULY 1962
BY LEHISTE I. — DDC NR. 282765
PETERSON G. E. (P.I. — CONTRACT NR. AF 49(638)-492
PROJ/TASK NR. 9769-37659

AFOSR 2094
MICHIGAN UNIV OF, ANN ARBOR
PHONEME SELECTION FOR STUDIES IN AUTOMATIC SPEECH RECOGNITION, 1961
J ACOUST SOC AMER 34 397-403 APR 1962
BY SHOUP J. E. — DDC NR.
PETERSON G. E. (P.I. — CONTRACT NR. AF 49(638)-492
PROJ/TASK NR. 9769-37659

AFOSR 2095
MICHIGAN UNIV OF ANN ARBOR
THE MEASUREMENT OF SPEECH POWER
7.*65-84.M 1961
BY PETERSON G. E. — DDC NR.
MCKINNEY N. P. — CONTRACT NR. AF 49(638)-492
PROJ/TASK NR. 9769-37659

AFOSR 2097
PENNSYLVANIA UNIV PHILADELPHIA
AN AXIOMATIC APPROACH TO PROGR LANGUAGES.
PROC 5TH SYMBOLIC LANG IN DATA PROC, ROME ITALY 26-31 MAR 62
P1-21
BY GORN S. DDC NR. 284102
CONTRACT NR. AF 49(638)-951
PROJ/TASK NR. 9769-17659

AFOSR 2098
WESTERN RESERVE UNIV CLEVELAND O
STUDIES OF NUCLEAR SYSTEMATICS NUCLEAR MODELS AND
ORBITAL ELECTRON CAPTURE BY NUCLEI FINAL REPORT JAN 1962
BY MAJOR J. F. DDC NR.
CONTRACT NR. AF 18(603)-61
PROJ/TASK NR. 9750-17500

AFOSR 2100
STANFORD UNIV CALIF
DATA SUMMARY,8 WHISTLER-MODE PROPAGATION JAN 1962
BY CARPENTAR D. L. DDC NR. 279518
CARPENTER G. B. CONTRACT NR. AF 18(603)-126
HELLIWELL R A(PI) PROJ/TASK NR. 9760-17650

AFOSR 2101
LOCKHEED MISSILE & SPACE DIV SUNNYVALE CALIF
LAMINAR PLANE THEORY AND THE STEADY, LINEAR BURNING OF A
MONOPROPELLANT
ARCH RATIONAL MECH ANAL 12 58 92 1963
BY JOHNSON W. E. DDC NR. 275952
NACHBAR W. CONTRACT NR. AF 49(638)-612
PROJ/TASK NR. 9751-17510

AFOSR 2102
COLUMBIA UNIV NEW YORK N Y
AN APPLICATION OF FUNCTIONAL ANALYSIS TO THE OPTIMAL
CONTROL PROBLEM JAN 62
BY EDANC G. M. DDC NR.
SARACHIK P. E. CONTRACT NR. AF 49(638)-998
PROJ/TASK NR. 9768-17650

AFOSR 2103
CALIFORNIA UNIV OF LA JOLLA
THEORY OF MAGNETIC RESONANCE IN THE HEAVY RARE EARTH METALS
PHYS REV 127 57 60 JUL 1962
BY COOPER B R DDC NR. 284478
ELLIOTT R J CONTRACT NR. AP 49(638)-1038
MATTEL S J PROJ/TASK NR. 9769-17691
SUHL H

AFOSR 2104
CALIFORNIA UNIV BERKELEY
APPLICATIONS OF GRAPH THEORY TO SOLUTION OF SOME SYSTEMS
OF LINEAR ALGEBRAIC EQUATIONS JAN 1962
BY CEDERBAUM I. DDC NR. 278395
WHINERY J CONTRACT NR. AF 49(638)-1045
PEDERSON D O(PI) PROJ/TASK NR. 6751

AFOSR 2105
DELAWARE UNIV OF NEWARK
MADELUNG CONSTANTS FOR THE CALCIUM CARBIDE AND
PYRITE CRYSTAL STRUCTURES
J CHEM PHYS 37,9590-600,0 AUG 1962
BY WOOD R. W. DDC NR.
CONTRACT NR. AF 49(638)-1054
PROJ/TASK NR. 9760-17501

AFOSR 2107
ECOLE NORMALE SUPERIEURE PARIS FRANCE
DOUBLE PHONON PROCESSES IN CADMIUM SULFIDE
J APPL PHYS 32 SUPPL 2292 2297 OCT 1961
PUBL AS SEMICONDUCTING COMPOUNDS W A
BENJAMIN INC 1961
BY BALKANSKI M DDC NR.
BESSON J M CONTRACT NR. AF 61(052)-572
PROJ/TASK NR. 9769-02

SR 2109
ROME UNIV OF ITALY
EXACT SIMILARITY LAW AND A METHOD OF INTEGRATION
FOR RE-ENTRY TRAJECTORIES SEP 1961
BY BROGLIO L DDC NR. 273110
CONTRACT NR. AF 61(052)-190
PROJ/TASK NR. 9782-17710

AFOSR 2110
(GRUPPO DI RECH ET D-ETUDES AERONAUTIQUES, PARIS, FR
DEC 1961 CONTROL OF CIRCULATION AROUND A CIRCULAR CYLINDER
FINAL REPORT
BY BROCARD J. C. DDC NR. 277010
CONTRACT NR. AF 61(052)-501
PROJ/TASK NR.

AFOSR 2111
INST NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN
ON THE INTERNAL STRUCTURE OF LAMINAR
DIFFUSION FLAMES NOV 1961
BY LIÑAN A DDC NR. 273069
MILLAN G. CONTRACT NR. AF 61(052)-221
PROJ/TASK NR. 9751-17510

AFOSR 2112
INST NACIONAL DE TECNICA AERONAUTICA, MADRID SPAIN
COMBUSTION OF BROMINE AND NITRIC ACID DROPLETS
IN A HYDROGEN ATMOSPHERE NOV 1961
BY TARIFA C. S. DDC NR. 28910*
P PEREZ DEL RIO(ARID CONTRACT NR. AF 61(052)-221
MORENO P PROJ/TASK NR. 9751-17510
MILLAN G

AFOSR 2113
MAINE UNIV OF ORONO MAINE
DIELECTRIC LOSS IN THE LIQUID CRYSTAL P-AZOXYANISOLE
J CHEMPHYS 37 106 106 JUL 1962
BY CARR E F DDC NR.
CONTRACT NR. AF AFOSR-61-69
PROJ/TASK NR. 9760-17601

AFOSR 2114
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE OF RARE EARTH IONS WITH
A B GROUND STATE
BY LOW W DDC NR. 275697
VIECCOW G CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9769-17691

AFOSR 2116
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
SPECIAL MODIFICATIONS OF THE SILVER-SILVER CHLORIDE SPONGE
ELECTRODE FOR SKIN RECORDING
PSYCHOPHYSIOL NEWSLETTER 8 91 97 1962
BY O CONNELL D N DDC NR.
TURSKY B CONTRACT NR. AF 49(638)-720
ORNE M T PROJ/TASK NR. 9770-17716

AFOSR 2117
MARYLAND UNIV OF COLLEGE PARK
A FIELD-THEORETICAL CALCULATION OF THE ONE-PION-EXCHANGE
AND TWO-PION-EXCHANGE CONTRIBUTIONS TO THE PHASE-SHIFTS
WITH HIGHER ANGULAR MOMENTA FOR NUCLEON-NUCLEON
SCATTERING JAN 1962
BY SATO I DDC NR. 274010
TOLL J S(PI) CONTRACT NR. AF 49(638)-26
PROJ/TASK NR. 9751-17512

AFOSR 2118
CALIFORNIA UNIV OF BERKELEY
DETERMINATION OF PHYSICAL PARAMETERS OF DRIFT
TRANSISTORS HAVING A DIFFUSED COLLECTOR
JUNCTION AUG 1961
BY BOOTHROYD A. R. DDC NR. 276237
WHINERY J CONTRACT NR. AF 49(638)-1043
PEDERSON D O(PI) PROJ/TASK NR. 6751

AFOSR 2119
GOTEBORG UNIV OF SWEDEN
EXPERIMENTALLY INDUCED CHANGES IN THE BASE COMPOSITION
OF THE RIBONUCLEIC ACIDS OF ISOLATED NERVE CELLS
AND THEIR OLIGODENDROGLIAL CELLS
J BIOPHYS AND BIOCHEM CYTOL 10 403 410 1961
BY EGYHAZI E DDC NR.
HYDEN H CONTRACT NR. AF 61(052)-260
PROJ/TASK NR. 9777-17703

AFOSR 2120
TUFTS UNIV MEDFORD MASS
PYROLYSIS OF ALLYLIC ACETATES II
J ORG CHEM 27 2308 2311 JUL 1962
BY GREGWOOD P L DDC NR.
CONTRACT NR. AF 49(638)-292
PROJ/TASK NR. 9760-17600

AFOSR 2121
STANFORD UNIV CALIF
FERRIMAGNETIC RELAXATION MEASUREMENTS AND MICROWAVE CIRCUIT
PROPERTIES OF FERRITE ELLIPSOIDS, DTD FEB 1962
BY ANDERSON L. R. DDC NR.
CHODOROW M(PI) CONTRACT NR. AF 49(638)-615
PROJ/TASK NR. 9760-17650

AFOSR 2123
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE ABSOLUTE CONFIGURATIONS OF SOME SIMPLE NORBORNANE
DERIVATIVES A TEST OF THE CONFORMATIONAL ASYMMETRY MODEL
JACS 83 3906 3907 OCT 1961
BY BERSON J A DDC NR.
WALIA J S CONTRACT NR. AF 49(638)-826
REMANICK ET AL A PROJ/TASK NR. 9760-17600

AFOSR 2126
VERMONT UNIV BURLINGTON
FURTHER STUDIES OF THE INFLUENCE OF ACOUSTIC MICROSTREAMING
ON THE PHOTOGRAPHIC DEVELOPMENT PROCESS
J ACOUST SOC AMER 33,9:1164-1169,9 AUG 1961
BY JACKSON P. J. DDC NR.
NYBORG W L(PI) CONTRACT NR. AF 49(638)-968
PROJ/TASK NR. 9751-17511

AFOSR 2129
VERMONT UNIV OF BURLINGTON
SONICALLY INDUCED MICROSTREAMING NEAR A PLANE BOUNDARY
II ACOUSTIC STREAMING FIELD
JACOUST SOC AMER 32,9:1387-1395,9 NOV 1960
BY JACKSON P. J. DDC NR.
NYBORG W L(PI) CONTRACT NR. AF 49(638)-968
PROJ/TASK NR. 9751-17511

AFOSR 2128
VERMONT UNIV OF BURLINGTON
SONICALLY-GENERATED MICROSTREAMING NEAR A PLANE
BOUNDARY I THEORETICAL GENERATION AND ASSOCIATED
ACOUSTIC FIELD OCT 1960
J ACOUST SOC AMER 32,9:1263-1270,9 OCT 1960
BY JACKSON P. J. DDC NR.
NYBORG W. L. CONTRACT NR. AF 49(638)-968
PROJ/TASK NR. 9751-17511

AFOSR 2127
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
A STUDY OF THE GROWTH MECHANISM AND TWIN HABITS OF
BAZ TIP 289 NOV 1961
J APPL PHYS 33 2691 2697 AUG 1962
BY HARRISON D F DDC NR.
TILLER W A CONTRACT NR. AF 49(638)-1029
PROJ/TASK NR. 9762 17621

AFOSR 2129
UNIVERSITY COLLEGE LONDON ENGLAND
S-WAVE PION-NUCLEON SCATTERING AND PION-PION INTERACTION
SEP 1961
ANN PHYS 17 1 60 JAN 1962
BY HAMILTON J DDC NR.
SPEARMAN T D CONTRACT NR. AF 61(052)-466
WOOLCOCK W S PROJ/TASK NR. 9750-17500

AFOSR 2190
KAROLINSKA INST STOCKHOLM SWEDEN
FURTHER STUDIES ON PIGMENT MIGRATION AND SENSITIVITY CHANGES IN THE COMPOUND EYE OF NOCTURNAL INSECTS
ACTA PHYSIOL SCAND 52 99 190 1961
BY BERNHARD C G — DDC NR. —
OTTOSON D — CONTRACT NR. AF 61(052)-21
EGGSTROM A — PROJ/TASK NR. 9777-97700

AFOSR 2191
KAROLINSKA INST STOCKHOLM SWEDEN
DETERMINATION OF 90 SR AND STABLE STRONTIUM IN BONES FROM SHEEP EWES AND THEIR FETUSES
EXPER CELL RSCH 26 80 87 1961
BY HAGGQVIST S — DDC NR. —
MOSLUND G — CONTRACT NR. AF 61(052)-21
BERNHARD C G — PROJ/TASK NR. 9777-97700
FAGSTROM A

AFOSR 2192
KAROLINSKA INST STOCKHOLM SWEDEN
ELECTRICAL ACTIVITY AND CELL DENSITY IN THE CLAUSTRO INSULAR AREA OF THE RABBIT
ACTA PHYSIOL SCAND 52 SUPPL 182 1961
BY VALLFALA P — DDC NR. —
BERNHARD, C G<P.I.> — CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-97700

AFOSR 2193
KAROLINSKA INST STOCKHOLM SWEDEN
X-RAY DIFFRACTION STUDIES ON PERIPHERAL NERVE MYELIN
ACTA PHYSIOL SCAND 51 290 299 1961
BY MOSLUND G — DDC NR. —
RINGERTZ H — CONTRACT NR. AF 61(052)-21
BERNHARD C G — PROJ/TASK NR. 9777-97700
FAGSTROM A

AFOSR 2194
AARHUS UNIV, DENMARK
AUG 1961 INVESTIGATIONS ON FLUCTUATIONS OF SUMS OF RANDOM VARIABLES
BY ANDERSEN E. S. — DDC NR. 272185
CONTRACT NR. AF 61(052)-42
PROJ/TASK NR. 9760-97650

AFOSR 2195
CALIFORNIA UNIV OF, BERKELEY
20 JUNE-30 JULY 1960 PROCEEDINGS OF THE FOURTH BERKELEY SYMPOSIUM ON MATHEMATICAL STATISTICS AND PROBABILITY 1-4 NSF GNR, ONR, NIH U CALIF PRESS, 1961
U CALIF PRESS, 1961
BY NEYMAN, J. — DDC NR. —
CONTRACT NR. AF 49(638)-736
PROJ/TASK NR. 9783-97727

AFOSR 2196
STANFORD RSCH INST., MENLO PARK, CALIF
THE LOGIC OF AN APPROACH TO THE ANALYSIS OF COMPLEX SYSTEMS
BY SCHAEFFER R. M. — DDC NR. 279936
ERICKSON C. J. E. <P — CONTRACT NR. AF 49(638)-1020
PROJ/TASK NR. 9769-97659

AFOSR 2197
MARYLAND UNIV OF COLLEGE PARK
FOURTH ORDER FINITE DIFFERENCE ANALOGUES OF THE DIRICHLET PROBLEM FOR POISSON-S EQUATION IN THREE AND FOUR DIMENSION JAN 1962
BY BRAMBLE J H — DDC NR. 271671
DIAZ J B — CONTRACT NR. AF 49(638)-[illegible]
PROJ/TASK NR. 9781-05

AFOSR 2198
MARYLAND UNIV OF COLLEGE PARK
ON ALMOST PERIODIC SOLUTIONS OF A CLASS OF ELLIPTIC EQUATIONS FEB 1962
BY WEINSTEIN A — DDC NR. 272610
CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9781-05

AFOSR 2199
MARTIN CO, BALTIMORE, MD
EFFECT OF VACUUM ENVIRONMENT ON THE MECHANICAL BEHAVIOR OF MATHERIALS OCT 1961
BY KRAMER I. R. — DDC NR. 273290
POOLASECK S. E. — CONTRACT NR. AF 49(638)-966
PROJ/TASK NR. 9782-97717

AFOSR 2161
UNIVERSITY COLLEGE LONDON ENGLAND
FIXED ANGLE DISPERSION RELATIONS FOR NUCLEON COMPTON SCATTERING 1 OCT 1961
PHYS REV 126 789 805 APR 1962
BY MEARN A C — DDC NR. —
LEADER E — CONTRACT NR. AF 61(052)-468
HAMILTON, J — PROJ/TASK NR. 9760-97600

AFOSR 2162
HERMANN FOETTINGER INST BERLIN, GERM
APR 1961 GROWTH OF TURBULENT FLUCTUATIONS IN FREE SHEAR FLOW
BY WILLE R. — DDC NR. 272261
MICHALKE A. — CONTRACT NR. AF 61(052)-417
PROJ/TASK NR. 9781-97712

AFOSR 2164
MARYLAND UNIV OF COLLEGE PARK
THE WAVE MOTIONS OF SMALL AMPLITUDE IN A FULLY IONIZED PLASMA- PART IV. WITH AN ARBITRARY APPLIED MAGNETIC FIELD. JAN 1962
BY WEIR R. A. — DDC NR. 271679
CONTRACT NR. AF 49(638)-001
PROJ/TASK NR. 9781-97713

AFOSR 2165
MARYLAND UNIV OF COLLEGE PARK
SOME INEQUALITIES FOR VECTOR FUNCTIONS WITH APPLICATIONS IN ELASTICITY
ARCH RAT MECH AND ANAL 1116 26 1962
BY BRAMBLE J H — DDC NR. 271680
PAYNE L E — PROJ/TASK NR. AF 49(638)-220
DIAZ J B — PROJ/TASK NR. 9781-05

AFOSR 2166
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
AN INTEGRAL METHOD FOR LAMINAR BOUNDARY LAYER CALCULATIONS, HEAT AND MASS TRANSFER WITH ZERO PRESSURE GRADIENT DEC 1961
BY CULICK F. E. C. — DDC NR. 279169
CONTRACT NR. AF 49 <638>-269
PROJ/TASK NR. 9781-97712

AFOSR 2167
UNIV OF TORONTO CAN
AN INVESTIGATION OF THE FLUCTUATING FORCES ACTING ON A STATIONARY CIRCULAR CYLINDER IN A SUBSONIC STREAM AND OF THE ASSOCIATED SOUND FIELD - SEP 1961
BY KEEFE R. T. — DDC NR. —
BIBBER M SCPI> — CONTRACT NR. AF 49(638)-269
PROJ/TASK NR. 9781-97712

AFOSR 2168
TORONTO UNIV OF CAN
INVESTIGATIONS OF AERODYNAMICALLY GENERATED SOUND JAN 1962 FINAL REPORT
BY RIBNER H. S. — DDC NR. 288991
CONTRACT NR. AF 49(638)-269
PROJ/TASK NR. 9781-97712

AFOSR 2192
PITTSBURGH UNIV OF PA
STRUCTURAL FACTORS IN THE FORMATION OF CLATHRATE HYDRATES DECHEMA MONOGRAPHIEN 47 849 860 1962
BY JEFFREY G A — DDC NR. —
CONTRACT NR. AF 49(638)-658
PROJ/TASK NR. 9760-97600

AFOSR 2196
YALE UNIV NEW HAVEN CONN
THE KINETICS OF THE THERMAL ISOMERIZATION OF 2 1 0 BICYCLOPENTANE
JACS 84 2688 2691 JUL 1962
BY HALBERSTADT M L — DDC NR. —
CHESICK J P — CONTRACT NR. AF 49(638)-722
PROJ/TASK NR. 9760-97600

AFOSR 2197
YALE UNIV NEW HAVEN CONN
THE KINETICS OF THE THERMAL ISOMERIZATION OF 2 1 0 BICYCLOPENTANE
JACS 84 2688 2691 JUL 1962
BY HALBERSTADT M L — DDC NR. —
CHESICK J P — CONTRACT NR. AF 49(638)-722
PROJ/TASK NR. 9760-97600

AFOSR 2198
WASHINGTON UNIV OF SEATTLE
THE EFFECT OF CENTRIFUGAL DISTORTION ON THE SHAPE OF THE HYDROGEN SULFIDE FUNDAMENTAL INFRARED BANDS
CHEM PHYS 37 251 259 JUL 1962
BY EMERSON M T — DDC NR. —
EGGERS D F — CONTRACT NR. AF 49(638)-707
PROJ/TASK NR. 9760-97600

AFOSR 2199
TORONTO UNIV CAN
LANGMUIR PROBES IN A FLOWING LOW DENSITY PLASMA AUG 1961
BY FRENCH J. B. — DDC NR. 279698
DE LEEUW J. H. — CONTRACT NR. AF 49(638)-823
PROJ/TASK NR. 9781-01

AFOSR 2160
POLYTECHNIC INST OF BROOKLYN N Y
RARE EARTH DISILICIDES
J PHYS CHEM 66 693 696 APR 1962
BY MAYER J P — DDC NR. 295881
BARNS P — CONTRACT NR. AF 49(638)-827
POST B — PROJ/TASK NR. 9760-97601

AFOSR 2167
CALIFORNIA UNIV OF LOS ANGELES
TRITIUM GEOPHYSICS
J GEOPHYS RSCH 66 3767 3782 NOV 1961
BY LIBBY W F — DDC NR. —
CONTRACT NR. AF 49(638)-901
PROJ/TASK NR. 9760-97600

AFOSR 2169
RENSSELAER POLYTECHNIC INST TROY N Y
SUPERSONIC DRAG OF SLENDER BODIES IN A SIMPLE DIATOMIC DISSOCIATING GAS JAN 1962
BY CHANG I. S. — DDC NR. 276899
LI T Y<PI> — CONTRACT NR. AF 49(638)-977
PROJ/TASK NR. 9781-97715

AFOSR 2164
WESTERN ONTARIO UNIV LONDON CAN
THE PHOTOCHEMICAL SYNTHESIS OF 1 5 DIKETONES AND THEIR CYCLISATION A NEW ANNULATION PROCESS
PROC CHEM SOC MAR 1962 119
BY DEMAYO P — DDC NR. —
TAKESHITA M — CONTRACT NR. AF-AFOSR-61-6
SATTAR A B M A — PROJ/TASK NR. 9760-97600

AFOSR 2169
NORTH CAROLINA UNIV OF CHAPEL HILL
QUANTIZATION OF FIELDS WITH INFINITE-DIMENSIONAL INVARIANCE GROUPS. II ANTICOMMUTING FIELDS NOV 1961
J MATH PHYS 0,9629-636.9 JL-AY 1962
BY DEWITT B. S. — DDC NR. 271633
CONTRACT NR. AF AFOSR-61-72
PROJ/TASK NR. 9776-97669

AFOSR 2166
CAMBRIDGE UNIV OF ENGLAND
THE STRUCTURE OF THE U-PHASE CO7 MO6
ACTA CRYSTAL 15 963 966 JUN 1962
BY FORSYTH J B — DDC NR. —
D ALTE DA VEIGA L M — CONTRACT NR. AF 61(052)-90
TAYLOR W H — PROJ/TASK NR. 9760-97601
BLACK P J

AFOSR 2167
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRA OF RARE EARTH IONS IN THE CRYSTAL FIELD OF CALCIUM FLUORIDE JAN 1962
BY LOW W
DDC NR. 274000
CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 2169
CALIFORNIA UNIV OF BERKELEY
THE EFFECT OF GRAIN BOUNDARIES ON THE MECHANICAL PROPERTIES OF IONIC CRYSTALS JAN 1962
BY FEUERSTEIN S
PARKER E R
DDC NR. 273425
CONTRACT NR. AF 49(638)-601
PROJ/TASK NR. 4759-02

AFOSR 2170
PISA UNIV OF ITALY
CONDITIONING TECHNIQUES WITH AND WITHOUT THE HELP OF ELECTROPHYSIOLOGICAL EXPLORATION
PROC INTERNAT MTG ON TECHNIQUES FOR STUDY OF PSYCHOTROPIC DRUGS BOLOGNA JUNE 1960
BY RICCI G F
DDC NR.
CONTRACT NR. AF EOAR-61-36
PROJ/TASK NR. 9777-01

AFOSR 2171
FREE UNIV OF BRUSSELS BELGIUM
STUDY OF THE EFFECTS OF MERCAPTOETHANOL AND OF DITHIODIGLYCOL ON THE CELLULAR DIVISION OF AMPHIBIAN EGGS
EXPER CELL RSCH 24 120 130 1961
BY LIMBOSCH-ROLIN S
BRACHET J
DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2172
FREE UNIV OF BRUSSELS BELGIUM
SOME BIOCHEMICAL EFFECTS OF BETA MERCAPTOETHANOL ON THE LIVER OF MICE AND RATS
BIOCHIM BIPPHYS ACTA 51 347 356 1961
BY BRACHET J
CAPE M
DECROLY M
SIX N
DDC NR.
CONTRACT NR. AF 61(052)356
PROJ/TASK NR. 9777-37702

AFOSR 2173
FREE UNIV OF BRUSSELS BELGIUM
STUDY OF THE EFFECTS OF MERCAPTOETHANOL
ARCH INTERNAT DE PHYSIOL ET DE BIOCHIM 69 381 382 MAR 61
BY DECROLY M
SIX N
CAPE M
BRACHET J
DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2174
FREE UNIV OF BRUSSELS BELGIUM
SOME EFFECTS OF BETA MERCAPTOETHANOL AND OF DITHIODIGLYCOL ON REGENERATION
DEVEL BIOL 3 277 296 JUNE 1961
BY DESCOTILS-HEERNU F
QUETIER J
BRACHET J
DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2175
FREE UNIV OF BRUSSELS BELGIUM
STUDY OF THE BIOCHEMICAL EFFECTS OF BETA MERCAPTOETHANOL ON THE EGGS OF BATRACHIANS
DEVEL BIOL 3 424 443 1961
BY BRACHET J
CAPE M
DECROLY, M
QUERTIER, J
SIX, N
DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2176
KAROLINSKA INST STOCKHOLM SWEDEN
BIOPHYSICAL AND NEUROPHYSICAL STUDIES OF NERVE NOV 1961
BY BERNHARD C G
ENGSTRON A
DDC NR. 271776
CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-37700

AFOSR 2177
VIENNA UNIV AUSTRIA
ELASTIC SCATTERING OF HIGH ENERGY PROTONS ON HYDROGEN
NUCLFI JAN 1962
BY CZAPEK G
CVIJANOVIC G
EGLI P
KOCH W
NICOLIC M
KELLNER, G
SCHEEBERGER, R
WINZELER, H
DDC NR. 271651
CONTRACT NR. AF 61(052)-433
PROJ/TASK NR. 9751-37512

AFOSR 2178
NATURALIA ET BIOLOGIA PARIS FRANCE
CONVERGENCES D AFFERENCES DORIGINES CORTICALE ET PERIPHERIQUE VERS LE CENTRE MEDIAN DU CHAT ANESTHESIE OU EVEILLE
ELECTROENCEPH CLIN NEUROPHYSIOL 13 257 269 1961
BY ALBE-FESSARD D
GILLETT E
DDC NR.
CONTRACT NR. AF61(052)-475
PROJ/TASK NR. 9777-37700

AFOSR 2179
NATURALIA ET BIOLOGIA PARIS FRANCE
INFLUENCES DE L ECORCE CEREBRALE SUR LES DECHARGES MATRICES EVOQUEES PAR LA STIMULATION LIMINEUSE CHEZ LE CHAT SOUS CHLORALOSE NEUROPHYSIOLOGIE
COMPTES RENDUS 252 1383 1385 FEB 1961
BY ASCHER P
JASSIK-GERSCHENFELD
BUSER P
ALBE-FESSARD D
DDC NR.
CONTRACT NR. AF 61(052)-475
PROJ/TASK NR. 9777-37700

AFOSR 2180
NATURALIA ET BIOLOGIA PARIS FRANCE
SOMATIC FUNCTIONS OF THE NERVOUS SYSTEM
ANN REV PHYSIOL 23 387 418 1961
BY BUSER P
ROUGEUL A
ALBE-FESSARD D
DDC NR.
CONTRACT NR. AF 61(052)-475
PROJ/TASK NR. 9777-01

AFOSR 2181
UNIVERSITY COLLEGE GALWAY IRELAND
THE PROSTHETIC GROUP OF C-PHYCOCYANIN
ARCH BIOCHEM & BIOPHYS 93 459 460 MAY 1961
BY HEOCHA C O
LAMBE R F
DDC NR.
CONTRACT NR. AF 61(052)-409
PROJ/TASK NR. 9777-37704

AFOSR 2182
UNIVERSITY COLLEGE GALWAY IRELAND
PHYCOERYTHROBILIN A PROSTHETIC GROUP OF ALGAL CHROMOPROTEINS
BIOCHEM J 80 25 MAY 1961
BY EOCHA C O
CARRA P O
CARROLL D
DDC NR.
CONTRACT NR. AF 61(052)-409
PROJ/TASK NR. 9777-37704

AFOSR 2183
LONDON UNIV ENGLAND
TRINIDAD EXPEDITION 1961 FINAL REPORT NOV 1961
BY PYE J D
PYE A
DDC NR. 271650
CONTRACT NR. AF EOAR-61-40
PROJ/TASK NR.

AFOSR 2184
IST SUPERIORE DI SANITA ROME ITALY
I&AZIONE DELLA MEFENSINA SULLA SCARICA RIPETITIVA DI SINGOL CELLULE DEL MIDOLLO SPINALE ACTION OF ,,MEFENESINA,, ON THE REPETITIVE FRFQUENCY OF SINGLE CELLS OF THE SPINAL CORD
BOLL D-SOC ITAL DI BIOL SPER 36 1745-1749 1960
BY LONGO V G
DDC NR.
CONTRACT NR. AF 61(052)-188
PROJ/TASK NR. 9777-37700

AFOSR 2185
MAX-PLANCK INST FUR ZELLCHEMIE MUNICH GER
ENZYMATIC DEGRADATION OF TERPENES DEC 1961
BY SEUBERT W
REMBERGER U
LYNEN F(P.I.)
DDC NR.
CONTRACT NR. AF 61(052)-251
PROJ/TASK NR. 9777-37704

AFOSR 2186
PHILADELPHIA UNIV OF PENNSYLVANIA
HORMONAL BASIS FOR IMPAIRMENTS IN MILK SYNTHESIS AND MILK EJECTION FOLLOWING HYPOTHALAMIC LESIONS
ENDOCRINOLOGY 23 303-316 1961
BY GALE C C
TALEISNIK S
FRIEDMAN H M
MCCANN S M
DDC NR.
CONTRACT NR. AF 49(638)-685
PROJ/TASK NR. 9777-37701

AFOSR 2188
U S BUREAU OF MINES, BARTLESVILLE OKLA
1,2-BIS-DIFLUOROAMINO-3-METHYLPENTANE, HEATS OF COMBUSTION, FORMATION AND VAPORIZATION AND VAPOR PRESSURE FEB 1962
BY GOOD W. D.
DOUSLIN D. R.
MCCULLOUGH J. P.
DDC NR. 272396
CONTRACT NR. CSO 680-59-9
PROJ/TASK NR. 4759-03

AFOSR 2189
U S BUREAU OF MINES BARTLESVILLE OKLA
AN INCLINED-PISTON DEAD-WEIGHT PRESSURE GAUGE FEB 1962
BY DOUSLIN D. R.
TOALSON J.
BILBY F. R.
LINDLEY J. R.
CLOPP P. H.
MCCULLOUGH J. F.
DDC NR. 272397
CONTRACT NR. CSO 680-59-9
PROJ/TASK NR. 4759-03

AFOSR 2190
CALIFORNIA UNIV OF BERKELEY CALIF
EXPERIMENTAL STUDY OF INITIAL FLAME ACCELERATION IN A SPARK IGNITED EXPLOSIVE GAS FEB 1962
BY LADERMAN A. J.
URTIEW P. A.
OPPENHEIM A. K.
DDC NR. 272980
CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9751-37510

AFOSR 2191
CALIFORNIA UNIV OF BERKELEY CALIF
INTERFEROMETRIC OBSERVATION OF FLAME ACCELERATION IN AN EXPLOSIVE GAS FEB 1962
BY LADERMAN A. A.
URTIEW P. A.
OPPENHEIM A. K.
DDC NR. 273684
CONTRACT NR. AF 49(638)-166
PROJ/TASK NR. 9751-37510

AFOSR 2194
AVCO-EVERETT RSCH LABORATORY, EVERETT MASS
CURRENT DISTRIBUTION AND FLOW MODEL FOR LARGE RADIUS-RATIO MAST JAN 1962
BY KECK, J. C.
FISHMAN F.
PETSCHEK H.
JANES G S<PI>
KANTROWITZ A. R.
DDC NR. 274094
CONTRACT NR. AF 49(638)-659
PROJ/TASK NR. 9752-37521

AFOSR 2196
MINNESOTA UNIV OF MINNEAPOLIS
COMPLEX REFRACTIVE INDEX OF AN IDEAL MONATOMIC GAS
BY MEAD C A
DDC NR.
CONTRACT NR. AF 49(638)-940
PROJ/TASK NR. 9760-37600

AFOSR 2198
WESTERN ONTARIO UNIV OF LONDON CAN
PHOTODIMERS OF 4-PYRIDONES
TETRAHEDRON LTRS 18 648-653 1961
BY AYER W A
HAYATSU R
DEMAYO P
REID S T
STOTHERS J B
DDC NR.
CONTRACT NR. AF AFOSR-61-6
PROJ/TASK NR. 9760-37600

AFOSR 2200
COLUMBIA UNIVERSITY, NEW YORK N Y
AN OPTIMIZATION OF NONLINEAR DYNAMIC PROCESSES WITH UNKNOWN PARAMETERS JAN 1962
BY KULIKOWSKI R. — DDC NR.
KRANC G M<PI> — CONTRACT NR. AF 49(638)-998
PROJ/TASK NR. 9768-37650

AFOSR 2201
WASHINGTON UNIV ST LOUIS MO
VARIATION DIMINISHING TRANSFORMATIONS AND ULTRASPHERICAL POLYNOMIALS
J D-ANAL MATH 8 337-360 1960/1961
BY HIRSCHMAN, JR I I — DDC NR.
CONTRACT NR. AF 49(638)-218
PROJ/TASK NR. 9783-37727

AFOSR 2202
AEROCHEM RSCH LABORATORIES, INC, PRINCETON, N J
SUMMARY OF LOW TEMPERATURE PLASMAJET RESEARCH, ENERGY TRANSPORT IN CHEMICALLY ACTIVE NONEQUILIBRIUM SUPERSONIC STREAMS FEB 1962
BY ROSNER D. E. — DDC NR. 273889
CALCOTE H. F. — CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9752-37521

AFOSR 2203
STANFORD UNIV CALIF
A CALCULATION OF THE LEVEL SPECTRUM OF 018 FROM THE FREE TWO-NUCLEON POTENTIAL JAN 1962
BY DAWSON J F — DDC NR.
TALMI I — CONTRACT NR. AF 49(638)-388
WALECKA J — PROJ/TASK NR. 9750-37500
SCHIFF, L I<P.I.>

AFOSR 2204
STANFORD UNIV CALIF
THEORY OF EXCHANGE RELAXATION OF HYPERFINE STRUCTURE IN ELECTRON SPIN RESONANCE JAN 1962
PHYS REV 126,*1995-2001,* JUN 1962
BY CURRIN J. D. — DDC NR. 276243
SCHIFF L I<PI> — CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR 2205
STANFORD UNIV CALIF
IS ISOTOPIC SPIN A GOOD QUANTUM NUMBER FOR THE NEW ISOBARS JAN 1962
BY GLASHOW S. L. — DDC NR.
SCHIFF L I<PI> — CONTRACT NR. AF 49(638)-388
PROJ/TASK NR. 9750-37500

AFOSR 2206
STANFORD UNIV CALIF
COMPUTATION OF THE COMPRESSIBLE LAMINAR BOUNDARY-LAYER FLOW INCLUDING DISPLACEMENT THICKNESS INTERACTION USING FINITE DIFFERENCE METHODS JAN 1962
BY FLUGGE-LOTZ I — DDC NR. 273983
BLOTTNER F G — CONTRACT NR. AF 49(638)-550
PROJ/TASK NR. 9781-37712

AFOSR 2207
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION VI SOME EFFECT OF DRIVE PRODUCED BY ELECTRIC STIMULATION ON GENERALIZED RESPONSES TO LOUDNESS JAN 1962
BY ZAJONC R B — DDC NR. 271569
CARTER D E — CONTRACT NR. AF 49(638)-367
PROJ/TASK NR. 9778-37708

AFOSR 2208
CORNELL UNIV ITHACA NY
THE BIOSYNTHESIS OF CAFFEINE IN THE COFFEE PLANT
J BIOL CHEM 237 1941-1944 JUN 1962
BY ANDERSON L — DDC NR.
GIBBS M — CONTRACT NR. AF 49(638)-798
PROJ/TASK NR. 9777-37704

AFOSR 2210
TECHNION RSCH & DEVEL FOUND HAIFA, ISRAEL
CLASSES OF BIORTHONORMAL SYSTEMS, SECOND PART,
FINAL REPORT OCT 1961
BY STEINBERG J — DDC NR. 272420
CONTRACT NR. AF 61(052)-324
PROJ/TASK NR. 9752-37658

AFOSR 2211
WALES UNIV COLLEGE OF ABERYSTWYTH, WALES
THE REACTIONS OF FREE RADICALS CONTAINING NITROGEN OCT 1961
BY TROTMAN-DICKENSON A. — DDC NR.
CONTRACT NR. AF 61(052)-406
PROJ/TASK NR. 9751-37510

AFOSR 2212
LABORATOIRE MEDITERRANEEN DE RECH THERMODYN NICE, FR
SEP 1961 SETTING UP OF A HIGH SPEED VEVOLVING DISC
BY DEVIENNE F. M. — DDC NR.
CRAVE B. C. — CONTRACT NR. AF 61(052)-124
PROJ/TASK NR. 9781-37712

AFOSR 2213
ROYAL COLLEGE OF SCI AND TECHNOLOGY GLASGOW, SCOTLAND
A FLOW PATTERN AT HIGH SUBSONIC SPEEDS PAST A WEDGE AT INCIDENCE IN A FREE STREAM AND A CHOKED CHANNEL AUG 1961
J MATH & PHYS 40,*9-22,* APR 1961
BY HELLIWELL J. B. — DDC NR.
PACK D C<PI> — CONTRACT NR. AF 61(052)-407
PROJ/TASK NR. 9783-37725

AFOSR 2216
POLYTECHNIC INSTITUTE OF BROOKLYN BROOKLYN N Y
ON THREE-DIMENSIONAL SWIRLING WAKES - FEB 1962
BY STEIGER M. H. — DDC NR.
FELBECK D. K. — CONTRACT NR. AF 49(638)-455
PROJ/TASK NR. 9760-37601

AFOSR 2218
WASHINGTON STATE UNIV PULLMAN
THE EFFECT ON STRUCTURAL CHANGES ON THE PYROLYSIS OF ESTERS OF ORGANIC AND INORGANIC ACIDS FINAL REPORT 1962
BY SMITH G G — DDC NR.
CONTRACT NR. AF 49(638)-616
PROJ/TASK NR. 9760-37600

AFOSR 2220
NORTHWESTERN UNIV EVANSTON ILL
THE HYDROGENOLYSIS OF DICYCLOPROPYLMETHANE ON PLATINUM CATALYSTS
J PHYS CHEM 66 1431-1444 AUG 1962
BY NEWMAN J — DDC NR.
BURWELL R L — CONTRACT NR. AF 49(638)-935
PROJ/TASK NR. 9761-37610

AFOSR 2221
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
PRINCIPLES OF SOLIDIFICATION NOV 1961
BY TILLER W A — DDC NR. 272048
CONTRACT NR. AF 49(638)-1029
PROJ/TASK NR. 9762-37621

AFOSR 2223
PARIS UNIV OF FRANCE
DEC 1961 THE LEFT-HAND CUT DISCONTINUITY AND EQUIVALENT POTENTIALS
BY CHADAN K — DDC NR.
LEVY M<P.I.> — CONTRACT NR. AF-EOAR 62-10
PROJ/TASK NR. 9750-9750-01

AFOSR 2225
UTAH UNIV SALT LAKE CITY
IGNITION AND COMBUSTION OF SOLID PROPELLANTS
FINAL REPORT FEB 1962
BY RYAN N. W. — DDC NR. 276624
CONTRACT NR. AF 49(638)-170
PROJ/TASK NR. 9751-37510

AFOSR 2227
SYRACUSE UNIV SYRACUSE NY
EFFECT OF AN IMPURITY LAYER ON SURFACE WAVES
PHYS REV 125 1271-1276 FEB 1962
BY KAPLAN H — DDC NR.
CONTRACT NR. AF 49(638)-642
PROJ/TASK NR. 9760-37601

AFOSR 2228
RIAS INC BALTIMORE MD
COMPLETE STABILITY OF A NONLINEAR CONTRL SYSTEM
PROC NAS 48 600-603 APR 1962
BY LASALLE J P — DDC NR.
LEFSCHETZ S<P.I.> — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR 2230
ARIZONA STATE UNIV TEMPE
ELECTRICAL PROPERTIES OF OXIDES OF SOME LANTHANIDE RARE EARTH ELEMENTS FEB 1962
BY KEVANE C J — DDC NR. 276510
CONTRACT NR. AF 49(638)-789
PROJ/TASK NR. 9760-37601

AFOSR 2232
STANFORD UNIV CALIF
A THEORY OF ASYMMETRIC HYPERSONIC BLUNT-BODY FLOWS JAN 1962
BY SWIGART R. J. — DDC NR. 276612
VAN DYKE M<PI> — CONTRACT NR. AF 49(638)-965
PROJ/TASK NR. 9781-01

AFOSR 2234
CALIFORNIA UNIV OF BERKELEY CALIF
NOTES ON SYSTEM THEORY, V. U
BY WHINNERY J — DDC NR.
CONTRACT NR. AF 49(638)-1043
PEDERSON D O<PI> — PROJ/TASK NR. 4751

AFOSR 2235
OHIO STATE UNIV COLUMBUS
RARE EARTHS, I. VAPORIZATION OF LA203 AND ND203 DISSOCIATIO ENERGIES OF GASEOUS LAO AND NDO
J PHYS CHEM 65 1400-1404 AUG 1961
BY GOLDSTEIN H W — DDC NR.
WALSH P N — CONTRACT NR. AF 18(600)-1545
WHITE D — PROJ/TASK NR. 9762-37621
HOCH M<P.I.>

AFOSR 2236
WEIZMANN INST OF SCI REHOVOT ISRAEL
NUMERICAL INTEGRATION OF THE NAVIER-STOKES EQUATIONS JAN 62
BY GILLIS J — DDC NR. 274808
CONTRACT NR. AF 61(052)-352
PROJ/TASK NR. 9783-37725

AFOSR 2237
LUND UNIV OF SWEDEN
THERMOCHEMISTRY OF SELECTED RADICAL RECOMBINATION REACTIONS FINAL REPORT JAN 1962
BY SUNNER S. — DDC NR. 274252
CONTRACT NR. AF 61(052)-46
PROJ/TASK NR. 9750-37501

AFOSR 2238
IST NAZIONALE DI OTTICA ITALY
BASIC RESEARCH IN THE FIELD OF VISION OCT 1961 FINAL REPORT
BY RONCHI L — DDC NR.
BITTINI M — CONTRACT NR. AF 61(052)-80
ERCOLES A M — PROJ/TASK NR. 9777-37701
FERRARA G
CONTICELLI M

AFOSR 2239
MADRID UNIV SPAIN
RESEARCH IN THE AREA OF CRYSTALLOGRAPHY FINAL REPORT DEC 61
BY AMOROS J L — DDC NR. 289193
CANUT M L — CONTRACT NR. AF 61(052)-193
PROJ/TASK NR. 9760-37601

AFOSR 2278
NEW YORK UNIV NY
MAGNETOHYDRODYNAMIC FLOW PAST AN AIRFOIL MAR 1962
BY CUMBERBATCH E DOC NR. 278239
SARASON L CONTRACT NR. AF 49(638)-1006
WEITZNER H PROJ/TASK NR. 9781-57719
GRAD H<P,I,>
RROBENITZ JK<P,I,>

AFOSR 2280
POLYTECHNIC INST OF BROOKLYN N Y
INVESTIGATIONS OF PLATES AND SHELLS UNDER EXTERNAL LOADING AND ELEVATED TEMPERATURES FEB 1962 QUART REPORT
BY EDWARDS J DOC NR. 279308
CONTRACT NR. AF 49(638)-307
PROJ/TASK NR. 9782-57717

AFOSR 2281
BIAS INC BALTIMORE MD
STABILITY AND LIMIT SETS FEB 1962
BY URA T DOC NR.
LEPSCHETZ S<P,I,> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-57726

AFOSR 2284
POLYTECHNIC INST OF BROOKLYN N Y
ON THE ACCURACY OF APPROXIMATE THRUST STEERING SCHEDULES IN OPTIMAL CORRECTIONAL MANEUVERS FEB 1962
BY MOSKOWITZ S. E. DOC NR. 278769
FERRI A<P,I> CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781-57712

AFOSR 2285
CALIFORNIA UNIV OF LOS ANGELES
INSTRUMENTATION OF NERVOUS SYSTEM FOR STUDIES OF BEHAVIOR
BY ADEY W R DOC NR.
MACKAY M W<P,I,> CONTRACT NR. AF 49(638)-686
PROJ/TASK NR. 9777

AFOSR 2286
CALIF UNIV OF LOS ANGELES
IMPEDANCE MEASUREMENTS IN BRAIN TISSUE OF CHRONIC ANIMALS USING MICROVOLT SIGNALS
J EXPER NEUROL 5 47-60 1962
BY ADEY W R DOC NR.
KADO R T CONTRACT NR. AF 49(638)-686
DIDIO J PROJ/TASK NR. 9777

AFOSR 2287
CALIFORNIA UNIV OF LOS ANGELES
EEG RECORDS FROM VERTICAL AND DEEP BRAIN STRUCTURES DURING CENTRIFUGAL AND VIBRATIONAL ACCELERATIONS IN CATS AND MONKEYS
IRE TRANS BIO-MED ELECTRONICS JUL 1961 182-188
BY ADEY W R DOC NR.
FRENCH J D CONTRACT NR. AF 49(638)-686
KADO R T PROJ/TASK NR. 9777
LINDSLEY D F
WALTER D O
WENDT R
WINTERS W D

AFOSR 2288
CALIFORNIA UNIV OF LOS ANGELES
INSTRUMENTATION OF NERVOUS SYSTEM FOR STUDIES OF BEHAVIOR AND PERFORMANCE IN SPACE FLIGHT
BY ADEY W R DOC NR.
CONTRACT NR. AF 49(638)-686
PROJ/TASK NR. 9777

AFOSR 2289
CALIF UNIV OF LOS ANGELES
COMPUTER TECHNIQUES IN CORRELATION AND SPECTRAL ANALYSES OF CEREBRAL SLOW WAVES DURING DISCRIMINATIVE BEHAVIOR
EXPER NEUROL JUN 61 <581-926>
BY ADEY W R DOC NR.
WALTER D O CONTRACT NR. AF 49(638)-686
NEWBRIG C F PROJ/TASK NR. 9777

AFOSR 2292
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
TENSILE DEFORMATION AND FRACTURE OF BRAZED JOINTS SEPT 1961
BY ROPPAT W. G. DOC NR. 279282
WULFF J. CONTRACT NR. AF 49(638)-775
DISPLIGGHOFF R. L. PROJ/TASK NR. 9782-02

AFOSR 2293
BIAS INC BALTIMORE MD
THE LIGHT INDUCED ELECTRON PARAMAGNETIC RESONANCE SIGNAL OF PHOTOCATALYST P 300
BIOCHEM AND BIOPHYS RSCH COMMUNICATIONS 7 209-212 1962
BY OBINGER H DOC NR.
KOK B CONTRACT NR. AF 49(638)-967
HOCH A PROJ/TASK NR. 9777-57704

AFOSR 2296
VIRGINIA UNIV OF CHARLOTTESVILLE
AN ELECTROMAGNETIC SUSPENSION SYSTEM FOR THE MEASUREMENT OF AERODYNAMIC CHARACTERISTICS MAR 1962 FINAL REPORT
BY PARKER H. M. DOC NR. 279695
MAY J. E. CONTRACT NR. AF 49(638)-1022
HUBAR G. S. PROJ/TASK NR. 9781-01

AFOSR 2299
GENERAL ELECTRIC CO. PHILADELPHIA, PA
SURFACE CRACKING CAUSED BY ELECTROMAGNETIC WAVE ABSORPTION 1962
BY GOOD. JR. R. C. DOC NR. 279978
WENDT P. <P,I,> CONTRACT NR. AF 49(638)-1030
PROJ/TASK NR. 9782-02

AFOSR 2296
COMMUNICATION RSCH INST MIAMI FLA
VOCAL EXCHANGES BETWEEN DOLPHINS
SCI DEC 1961 196 1073-76
BY LILLY J C DOC NR.
MILLER A M CONTRACT NR. AF-AFOSR-61-62
PROJ/TASK NR. 9777-57701

AFOSR 2298
STANFORD UNIV CALIF
A FAR-INFRARED SPECTROMETER FOR MASER STUDIES DEC 1961
BY SOREF R. A. DOC NR. 276757
SIEGMAN A. E. CONTRACT NR. AF 49(638)-660
BURKHARD DG<P,I> PROJ/TASK NR. 9768-57650

AFOSR 2300
MARYLAND UNIV OF COLLEGE PARK
ANALYTIC FUNCTIONS OF CONTINUANT MATRICES FEB 62
J MATH PHYS 3,01064-1069,0 SEP/OCT 1962
BY ABRAHAM P. B. DOC NR.
WEISS G. H. CONTRACT NR. AF 18(600)-1515
MONTROLL E W<P,I> PROJ/TASK NR. 9761-57911

AFOSR 2302
PRINCETON UNIV N J
AN EXPERIMENTAL STUDY OF THE DECAY OF TURBULENT ENERGY IN SEVERAL GASES AND AT HIGH AND LOW DENSITY JAN 1962
BY WEBB W. H. DOC NR. 276521
BOGDONOFF S<P,I> CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781-57712

AFOSR 2304
PRINCETON UNIV N J
HOT-WIRE HEAT LOSS AND FLUCTUATUIN SENSITIVITY FOR INCOMPRESSIBLE FLOW JAN 1962
BY WEBB W. H. DOC NR. 276520
BOGDONOFF S<P,I> PROJ/TASK NR. AF 49(638)-665
PROJ/TASK NR. 9781-57712

AFOSR 2306
JOHNS HOPKINS UNIV. BALTIMORE MD
DESLIP IN ALUMINUM SINGLE CRYSTAL SPECIMENS FINAL REPORT JAN 1962
BY PENN R W DOC NR. 276107
HARRISON F CONTRACT NR. AF 49(638)-490
PROJ/TASK NR. 9761-57611

AFOSR 2306
ILLINOIS UNIV OF URBANA
PHOTOMULTIPLIER DETECTION OF MICROWAVE MODULATED LIGHT
PROC IRE 50,0 JUN 1962
BY GANDY O. L. DOC NR.
HOLSHOUSER D. F. CONTRACT NR. AF 49(638)-550
PROJ/TASK NR. 9768-57650

AFOSR 2307
MINNESOTA UNIV OF MINNEAPOLIS
THERMAL DIFFUSION EFFECTS ON ENERGY TRANSFER IN A TURBULENT BOUNDARY LAYER WITH HELIUM INJECTION
PROC HEAT TRANS FLUID MECH INST SEATTLE, WASHINGTON JUN 1962
STANFORD U PRESS PP 62-81
BY TRIPLE G. F. DOC NR.
ECKERT E. R. G. CONTRACT NR. AF 49(638)-550
SHIRTLIFFE C. J. PROJ/TASK NR. 9781-57717

AFOSR 2308
OKLAHOMA UNIV OF NORMAN
OSCILLOSCOPE CALIBRATION AT KILOMEGACYCLE PER SECOND FREQUENCIES MAR 1962
PROC OKLA ACAD SCI 41,0174-176,0 1961
BY PENNER R. S. DOC NR.
CONTRACT NR. AF 49(638)-639
PROJ/TASK NR. 9761-57911

AFOSR 2309
SYRACUSE UNIV NY
LATTICE VIBRATIONS OF ZINCBLENDE STRUCTURE CRYSTALS WITH APPLICATION TO ZNS MAR 1962
BY KAPLAN H DOC NR. 276955
SULLIVAN J J CONTRACT NR. AF 49(638)-662
PROJ/TASK NR. 9760-57601

AFOSR 2310
DUKE UNIV DURHAM, NC
ISOTOPIC EFFECT ON THE RELEASE OF ATOMS BY IRRADIATION OF MOLECULES AT LOW TEMP. W BOULDIN & W GORDY <ABST OF PAPER TO BE PRES WASH DEC AMER PHY SOC APR 1962
MILLIMETER WAVE SPECTRA OF HNCS AND HNCO ROGER KENLEY, EVLN SASTRY, H WINNEWISSER <ABST OF PAPER TO BE PRESENTED AMER APS PHYS SOC WASH DC APR 62> DOUBLE QUANTUM TRANSITION IN ELECTRON SPIN RESONANCE OF GAMMA-IRRADIATED ACETYL -D. I ALAMINE. W KATYANA PHYS REV 1126 1440-1442 MAY 1962
BY GORDY. W<P,I,> DOC NR.
CONTRACT NR. AF 49(638)-765
PROJ/TASK NR. 9760-01

AFOSR 2311
ILLINOIS UNIV OF URBANA
CALCULATION OF THE QUASIPARTICLE RECOMBINATION TIME IN A SUPERCONDUCTOR FEB 1962
PHYS REV LTRS 8 297-300 MAR 1962
BY SCHRIEFFER J R DOC NR.
GINSBERG D M CONTRACT NR. AF 49(638)-882
PROJ/TASK NR. 9763-57651

AFOSR 2312
COLUMBIA UNIVERSITY NEW YORK N Y
THE OPTIMUM CONTROL OF CROSS-COUPLED SYSTEMS. MAR 1962
BY BRESCHLER P. A. DOC NR.
EPARD D M<P,I> CONTRACT NR. AF 49(638)-990
PROJ/TASK NR. 9760-57650

AFOSR 2313
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
REACTIONS OF THE 2 FORMYL RADICAL. I. 1-4 DECARBONYLATION OF 2-FORMYLBORNANE
JACS 84 5178-5183 AUG 1962
BY BERSON J A DOC NR.
OLSEN C J CONTRACT NR. AF 18(600)-1546
PROJ/TASK NR. 9760-57600

AFOSR 2260
HEBREW UNIV JERUSALEM ISRAEL
REPORT ON THE ROLE OF THE AGRICULTURAL PRODUCER IN COOPERATIVE SETTLEMENTS (MOSHAVIM) IN ISRAEL OCT 1961
BY WEINSTEIN D DOC NR.
YUCHTMANN E CONTRACT NR. AF 61(052)-480
WEIHL M PROJ/TASK NR. 9778-37707
EISENSTADT S N(P.I.)

AFOSR 2261
HEBREW UNIV JERUSALEM ISRAEL
REPORT ON THE ROLE OF THE PILOT-CADET IN ISRAEL DEC 1961
BY LISSAK M DOC NR.
WEINSTEIN D CONTRACT NR. AF 61(052)-480
YUCHTMANN E PROJ/TASK NR. 9778-37707
WEIHL M
EISENSTADT S N(P.I.)

AFOSR 2262
HEBREW UNIV JERUSALEM ISRAEL
SOME PROBLEMS OF ROLE ANALYSIS, A PRELIMINARY REPORT JAN 62
BY EISENSTADT S N DOC NR.
BAR-YOSEF R CONTRACT NR. AF 61(052)-480
SCHILD O PROJ/TASK NR. 9778-37707
WEINSTEIN D
PERES Y
TYBER N

AFOSR 2263
CAMBRIDGE UNIV ENGLAND
STUDIES OF THE FRONTAL AND STRIATE CORTEX AND BEHAVIOUR IN THE RHESUS MONKEY NOV 1961
BY WEISKRANTZ L DOC NR. 288195
CONTRACT NR. AF 61(052)-185
PROJ/TASK NR. 9777-37700

AFOSR 2264
NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN
WIDE RANGE TIME TO PULSE HEIGHT CONVERTER FEB 1962
BY THIERFELDER P. DOC NR. 272640
ASTROM B. CONTRACT NR. AF 61(052)-118
BERGSTROM I. PROJ/TASK NR. 9750-37500

AFOSR 2265
OXFORD UNIV ENGLAND
THE APPLICATION OF PHASE SPACE CONCEPTS TO THE DESIGN OF AN ELECTRON LINAC BUNCHER 1962
BY LICHTENBERG A J DOC NR. 289686
NOTZ H(P.I.) CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9760-37650

AFOSR 2267
ROCHESTER UNIV OF NY
THEORETICAL INVESTIGATION OF THE EFFECTS OF IMPERFECTIONS ON THE OPTICAL PROPERTIES OF SOLIDS FINAL REPORT FEB 1962
BY DEXTER D L DOC NR. 289186
CONTRACT NR. AF 49(638)-692
PROJ/TASK NR. 9760-37601

AFOSR 2268
MARYLAND UNIV OF COLLEGE PARK
THE BAKER-HAUSDORFF FORMULA AND A PROBLEM IN CRYSTAL PHYSICS JAN 62
BY WEISS G. H. DOC NR.
MARADUDIN AC A. CONTRACT NR. AF 18(600)-1919
MONTROLL E W(P.I.) PROJ/TASK NR. 9761-37611

AFOSR 2270
ILLINOIS UNIV OF URBANA
STUDIES IN TRANSISTOR-RC NETWORK SYNTHESIS NOV 1961 FINAL REPORT
BY VAN VALKENBURG M. E. DOC NR. 275610
CONTRACT NR. AF 49(638)-69
PROJ/TASK NR. 9768-37650

AFOSR 2272
MARYLAND UNIV OF COLLEGE PARK MD
ON HARMONIC FUNCTIONS OF FOUR VARIABLES WITH RATIONAL P A ASSOCIATES JAN 1962
BY GILBERT R P DOC NR.
DIAZ J B(P.I.) CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9783-09

AFOSR 2274
CORNELL UNIV ITHACA NY
THEORY OF THE X-RAY K ABSORPTION SPECTRUM OF ARGON APR 1962
BY WATANABE T DOC NR. 281791
PARRATT L G(P.I.) CONTRACT NR. AF 49(638)-602
PROJ/TASK NR. 9760-37601

AFOSR 2275
POLYTECHNIC INST OF BROOKLYN N Y
EFFECT OF THICKNESS DEFORMATIONS ON VIBRATIONS OF SANDWICH PLATES
J AEROSP SCI 29,1491-492,0 APR 1962
BY YU Y. Y. DOC NR.
CONTRACT NR. AF 49(638)-493
PROJ/TASK NR. 9782-37717

AFOSR 2276
POLYTECHNIC INST OF BROOKLYN N Y
APPLICATION OF VARIATIONAL EQUATION OF MOTION TO THE NONLINEAR VIBRATION ANALYSIS OF HOMOGENEOUS AND LAYERED PLATES AND SHELLS FEB 1962
BY YU Y. Y. DOC NR. 289886
CONTRACT NR. AF 49(638)-493
PROJ/TASK NR. 9782-37717

AFOSR 2277
CALIFORNIA INST OF TECHNOLOGY, PASADENA, CALIF
THE HYPERSONIC APPROXIMATION FOR THE SHOCK STRUCTURE OF A PERFECT GAS WITH THE SUTHERLAND VISCOSITY LAW FEB 1962
BY RUSH W. D. DOC NR. 275806
COLE J. D. <P.I.> CONTRACT NR. AF 49(638)-676
PROJ/TASK NR. 9781-01

AFOSR 2278
TORONTO UNIV OF CAN
ON THE PREDICTION OF FATIGUE LIFE UNDER RANDOM LOADING FEB 1962
BY POPPLETON E. D. DOC NR. 277169
CONTRACT NR. AF 49(638)-560
PROJ/TASK NR. 9787-02

AFOSR 2279
ARKANSAS UNIV OF FAYETTEVILLE
STUDIES OF OPTICAL POLARIZATION BY ELECTRON IMPACT DEC 1961
BY HUGHES R. H. DOC NR. 275939
ZIRKE O. H. CONTRACT NR. AF 49(638)-999
PROJ/TASK NR. 9767

AFOSR 2281
ALLIED RSCH ASSOCIATES, BOSTON, MASS
HEAD-BALANCE-INTEGRAL METHOD FOR PULSELIKE HEAT INPUTS- FEB 1962
BY GOODMAN T. R. DOC NR. 273118
ULLAH N. CONTRACT NR. AF 49(638)-839
PROJ/TASK NR. 9782-02

AFOSR 2284
RESSELAER POLYTECHNIC INST TROY NY
ELASTIC STABILITY OF BARS OF ARBITRARY LENGTH
BY LIND P F DOC NR. 276753
HANDELMAN G H CONTRACT NR. AF 49(638)-962
PROJ/TASK NR. 9782-37717

AFOSR 2285
CALIFORNIA UNIV OF BERKELEY
THE EQUIANGULAR PLANE SPIRAL ANTENNA SEP 1961
BY SUSSMAN R. DOC NR. 276298
WHINNERY J CONTRACT NR. AF 49(638)-1065
PEDERSON D O(P.I.) PROJ/TASK NR. 4751

AFOSR 2286
AVCO-EVERETT RESEARCH LABORATORY EVERETT MASS
EXPERIMENTAL INVESTIGATION OF COLLISION-FREE SHOCKS AND PLASMAS SEP 1961
BY PATRICK R. M. DOC NR. 276218
CARAC M. CONTRACT NR. AF 49(638)-61
PROJ/TASK NR. 9751-37510

AFOSR 2288
CALIFORNIA UNIV BERKELEY
STABILITY-STUDY OF PULSE-WIDTH MODULATED AND NONLINEAR SAMPLED-DATA SYSTEMS APR 1961
BY NISHIMURA T. DOC NR. 275858
JURY E I(P.I.) CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 2289
OKLAHOMA STATE UNIV STILLWATER
THERMODYNAMIC PROPERTIES OF BINARY SULFIDES
BY FREEMAN R D DOC NR.
CONTRACT NR. AF 49,6188-109
PROJ/TASK NR. 9760-37600

AFOSR 2290
MARYLAND UNIV OF COLLEGE PARK
SOME A PRIORI INEQUALITIES FOR UNIFORMLY ELLIPTIC OPERATORS WITH APPLICATIONS TO THE CAUCHY PROBLEM FEB 1962
BY PAYNE L E DOC NR.
DIAZ, J B(P.I.) CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9783-09

AFOSR 2291
ROCHESTER UNIV OF NY
COOPERATIVE OPTICAL ABSORPTION IN SOLIDS
PHYS REV 126 1962-167 JUN 1962
BY DEXTER D L DOC NR. 289683
CONTRACT NR. AF 49(638)-692
PROJ/TASK NR. 9760-37601

AFOSR 2292
ILLINOIS UNIV OF URBANA
RESEARCH ON THE ELECTRONIC PROPERTIES OF THE SILVER AND ALKALI HALIDES FINAL REPORT FEB 1962
BY BROWN P C DOC NR.
CONTRACT NR. AF 49(638)-579
PROJ/TASK NR. 9760-37601

AFOSR 2293
CORNELL UNIV ITHACA NY
INVESTIGATION OF SOLID SURFACES BY FIELD EMISSION MICROSCOPY AND MASS SPECTROMETRY MAR 1962 FINAL REPORT
BY BRADLEY R C DOC NR. 276727
CONTRACT NR. AF 49(638)-748
PROJ/TASK NR. 9761-37621

AFOSR 2294
COLUMBIA UNIV NEW YORK N Y
PROCESS IDENTIFICATION IN ADAPTIVE CONTROL SYSTEMS JAN 1962
BY BIGELOW C. DOC NR.
KRANC S H(P.I.) CONTRACT NR. AF 49(638)-998
PROJ/TASK NR. 9768-37650

AFOSR 2295
CALIFORNIA UNIV OF BERKELEY
THE MINIMUM PERIOD OF OSCILLATION OF SIMPLE TUNNEL DIODE OSCILLATORS AUG 1961
BY LYNN D. K. DOC NR. 274256
PEPPER R. S. CONTRACT NR. AF 49(638)-1069
PEDERSON D. O. PROJ/TASK NR. 4751
WHINNERY J(P.I.) PROJ/TASK NR.

AFOSR 2271
CHICAGO UNIV OF ILL
EXPERIMENTAL AND THEORETICAL INVESTIGATION OF THE ELECTRONIC PROPERTIES OF GERMANIUM SEMICONDUCTORS AT HELIUM TEMPERATURE FINAL REPORT FEB 1962
BY PRITZKER M DOC NR. 289261
CONTRACT NR. AF 49(638)-802
PROJ/TASK NR. 9760-37601

AFOSR 2314
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
REACTIONS OF THE 2-BORNYL RADICAL . II. A FREE RADICAL WAGNE MEERWEIN REARRANGEMENT.
JACS 84 3337-3340 SEP 1962
BY BERSON J A — DDC NR.
OLSEN C J — CONTRACT NR. AF 18<600>-1544
WALIA J S — PROJ/TASK NR. 9760-37600

AFOSR 2315
PITTSBURGH UNIV OF PA
THE FUTURE OF THE COLD WAR SOME RESULTS OF PROJECT OUTCOMES
BY NEHNEVAJSA J — DDC NR.
CONTRACT NR. AF 49<638>-1116
PROJ/TASK NR. 9779-37733

AFOSR 2317
PITTSBURGH UNIV OF PA
ANTICIPATED CHANGES IN COMMUNIST NATIONS MAR 1962
BY SHIVELY S F — DDC NR.
GANNON M — CONTRACT NR. AF 49<638>-1116
NEHNEVAJSA J<P.I.> — PROJ/TASK NR. 9779-37733

AFOSR 2320
NORTHWESTERN UNIV EVANSTON ILL
THE INFLUENCE OF ALLOYING ELEMENTS ON THE INTERNAL FRICTION OF COLD WORKED AND QUENCHED MARTENSITIC IRON AND STEEL
TRANS METALL SOC AIME 221 1150-1162 DEC 1961
BY TAMURA I — DDC NR.
MURA T — CONTRACT NR. AF 49<638>-780
BRITTAIN J O — PROJ/TASK NR. 9761-02

AFOSR 2321
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS TORINO ITALY
PART A APPARATUS FOR THERMOLUMINESCENCE DEC 1961
BY BONFIGLIOLI A G — DDC NR. 274007
BROVETTO P — CONTRACT NR. AF 61<052>-328
CORTESE C — PROJ/TASK NR. 9760-37601

AFOSR 2321
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS TORINO ITALY
PART B ON THE RELATION BETWEEN FROZEN POLARIZATION AND ELECTROLUMINESCENCE OF ZNS CELLS JAN 1962
BY BONFIGLIOLI G — DDC NR. 274008
BROVETTO P — CONTRACT NR. AF 61<052>-328
MALVANO R — PROJ/TASK NR. 9760-37601
CORTESE, C.

AFOSR 2322
PENNSYLVANIA U. PHILADELPHIA PENNA
ON THE ROLE OF CONDENSED VACANCIES AND INTERSTITIALS IN FATIGUE
NATURWISSENSCHAFTEN 9 334-335 1959
BY MCCRONE R K — DDC NR.
KUHLMAN D — CONTRACT NR. AF 49<638>-435
MADDIN R<P.I.> — PROJ/TASK NR. 9760-02

AFOSR 2323
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
SULFENIUM IONS AND SULFENYL COMPOUNDS
ORGANIC SULFUR COMPOUNDS. CHAP 32. PERGAMON PRESS 1961
BY KHARASCH N — DDC NR.
CONTRACT NR. AF 49<638>-718
PROJ/TASK NR. 9762-37620

AFOSR 2324
CALIFORNIA UNIV OF BERKELEY
EMISSION. PULSE-LEVEL INVERSION. AND MODULATION OF OPTICAL MASERS
ADV IN QUANTUM ELECTRONICS. COLUMBIA U PRESS. 1961 PP299-307
BY SINGER J. R. — DDC NR.
WANG S. — CONTRACT NR. AF 49<638>-102
WHINNERY J R<PI> — PROJ/TASK NR. 9760-37650

AFOSR 2325
PURDUE UNIV LAFAYETTE IND
STUDY OF NUCLEAR STRUCTURE AND INTERACTIONS
OCT 1961 FINAL REPORT
BY KING R. W. — DDC NR.
GARTENHAUS AND STAFF — CONTRACT NR. AF 18<600>-1579
PROJ/TASK NR. 9750-37500

AFOSR 2326
PARIS UNIV OF FRANCE
STRONG INTERACTION SYMMETRIES AND RELATIONS BETWEEN POLARIZATIONS FOR PP YY JAN 1962
BY DE RAFAEL E — DDC NR. 293163
MICHEL L<PI> — CONTRACT NR. AF 61<052>-474
PROJ/TASK NR. 9750-37500

AFOSR 2327
LUND UNIV OF SWEDEN
SEE OVER FOR TITLES JAN 1962
BY SUNNER S. — DDC NR. 274160
CONTRACT NR. AF 61<052>-46
PROJ/TASK NR. 9750-37501

AFOSR 2328
DUKE UNIV DURHAM NO CAR
ALGEBRA OF POLYNOMIALS IN SEVERAL VARIABLES FOR A DIGITAL COMPUTER
J ASSOC COMP MACH 9 29-40 JAN 1962
BY WILLIAMS L H — DDC NR.
GERGEN J J<P.I.> — CONTRACT NR. AF 18<600>-1341
PROJ/TASK NR. 9783-37727

AFOSR 2329
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
CONCORDANCE OF CHEMICAL NAMES <2C>. IN NEW STYLE. FOR HEXAGONAL CRYSTALS. INDEX NUMBERS 1-434. IN THE BARKER INDE OF CRYSTALS. VOLUME I. PART II. APR 1960
BY VAND V — DDC NR.
MALINOSKI R — CONTRACT NR. AF 49<638>-416
PEPINSKY R — PROJ/TASK NR. 9760-37601

AFOSR 2330
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SAMPLE OF PREPRINT OF DONNAY-S CRYSTAL DATA. NEW EDITION JUN 1960
BY DONNAY J D H EDITOR — DDC NR.
PEPINSKY R<P.I.> — CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR 2331
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
EXAMPLES OF GROTH INSTITUTE DATA EXTRACTING FROMS AND PEEK A BOO CARDS
BY PEPINSKY R<P.I.> — DDC NR.
CONTRACT NR. AF 49<638>-416
PROJ/TASK NR. 9760-37601

AFOSR 2334
CALIFORNIA INST OF TECHNOLOGY PASADENA CALIF
MICROWAVE PROBING OF IONIZED GAS FLOWS FEB 1962
BY JAHN R. G. — DDC NR. 272789
MARBLE F. E. — CONTRACT NR. AF 49<638>-758
PROJ/TASK NR. 9751-37510

AFOSR 2336
KAROLINSKA INST STOCKHOLM SWEDEN
CATECHOLAMINE PRODUCTION AND RELEASE IN EXPOSURE AND ACCLIMATION TO COLD
ACTA PHYSIOL SCAND 53 SUPPL 183
BY LEDUC J — DDC NR.
VON EUER U S<P.I.> — CONTRACT NR. AF 61<052>-309
PROJ/TASK NR. 9777-37701

AFOSR 2337
KAROLINSKA INST STOCKHOLM SWEDEN
OCCURRENCE AND DISTRIBUTION OF CATECHOLAMINES IN THE FISH BRAIN
ACTA PHYSIOL SCAND 52 62-66 1961
BY VON EULER U S — DDC NR.
CONTRACT NR. AF 61<052>-309
PROJ/TASK NR. 9777-37701

AFOSR 2338
KAROLINSKA INST STOCKHOLM SWEDEN
EFFECT OF RESERPINE ON THE RELEASE OF CATECHOLAMINES FROM ISOLATED NERVE AND CHROMAFFIN CELL GRANULES
ACTA PHYSIOL SCAND 52 137-145 1961
BY VON EULER U S — DDC NR.
LISHAJKO F — CONTRACT NR. AF 61<052>-309
PROJ/TASK NR. 9777-37701

AFOSR 2339
STANFORD UNIV CALIF
ELECTRON-DENSITY VARIATIONS IN THE MAGNETOSPHERE DEDUCED FROM WHISTLER DATA MAR 1962
BY CARPENTER D. L. — DDC NR. 275838
HELLIWELL R A<PI> — CONTRACT NR. AF 18<603>-126
PROJ/TASK NR. 9768-37650

AFOSR 2340
CALIFORNIA UNIV OF BERKELEY
PARAMAGNETIC MASER OSILLATOR ANALYSIS SEP 1961
J APPL PHYS 32.°1371-1376.° JUL 1961
BY WANG S. — DDC NR. 275577
SINGER J. R. — CONTRACT NR. AF 49<638>-102
WHINNERY J R<PI> — PROJ/TASK NR. 9768-37650

AFOSR 2342
GAS-SURFACE PHENOMENA APR 1962
BY ROGERS M. — DDC NR. 285845
CONTRACT NR.
PROJ/TASK NR.

AFOSR 2343
MINNESOTA UNIV MINNEAPOLIS
SENSITIVITY OF SKIN FRICTION AND DRAG TO THE DISTRIBUTION OF SUCTION OR BLOWING
J AEROSP SCI 29.°104-105.° JAN 1962
BY SPARROW E. M. — DDC NR.
ECKERT E. R. G. — CONTRACT NR. AF 49<638>-558
PROJ/TASK NR. 9781-37712

AFOSR 2344
TEXAS UNIV OF AUSTIN
ACETYLENE-ETHYLENE OXIDE FLAMES FEB 1962
BY STUBBEMAN R. F. — DDC NR.
ANDERSON R. C. — CONTRACT NR. AF 18<603>-142
MATSEN F. A. — PROJ/TASK NR. 9751-37510

AFOSR 2345
FRANKLIN INST PHILADELPHIA PA
MAGNETIC AND STRUCTURAL PROPERTIES OF PRECIPITATING FERROMAGNETIC SYSTEMS. FINAL REPORT DEC 1960
BY FLANDERS P L — DDC NR.
BERKOWITZ A E<P.I.> — CONTRACT NR. AF 49<638>-159
PROJ/TASK NR. 9760-37601

AFOSR 2348
STANFORD RESEARCH INST MENLO PARK CALIF
ABSTRACTS OF PAPERS.° JOINT MEETING OF AFOSR CONTRACTORS IN SOLID ROCKET COMBUSTION AND THE PANEL ON SOLID PROPELLANT COMBUSTION INSTABILITY SRI. M. 8. 9. MARCH 1962 APR 1962
BY AGOSTON G A<PI> — DDC NR. 274132
CONTRACT NR. AF 49<638>-565
PROJ/TASK NR. 4750-02

AFOSR 2349
YALE UNIV NEW HAVEN CONN
ELECTRON NUCLEAR INTERACTIONS AND RELATED ASPECTS OF NUCLEAR STRUCTURE FINAL REPORT
BY BREIT G — DDC NR. 289484
CONTRACT NR. AF 49<638>-752
PROJ/TASK NR. 9750-37500

AFOSR 2350
AEROJET-GENERAL CORP. AZUSA CALIF
RATE OF SUBLIMATION OF AMMONIUM HALIDES
<MISPRINTED AFOSR> 9750 MAR 1962
BY CHAIKEN R. F. — DDC NR. —
SIBBETT D. J. — CONTRACT NR. AF 49<638>-851
SUTHERLAND J. E. — PROJ/TASK NR. —
VAN DE MARK D. K.
WHEELER A.

AFOSR 2352
AVCO-EVERETT RESEARCH LABORATORY EBERETT MASS
A REVIEW OF RECENT MHD GENERATOR WORK AT THE AVCO-EVERETT RESEARCH LABORATORY MAR 1962
3D SYMP ENGIN ASPECTS OF MAGNETOHYDRODYNAMICS. ROCHESTER, N Y 1962
BY BROGAN T. R. — DDC NR. 275803
LOUIS J. F. — CONTRACT NR. AF 49<638>-1129
ROSA R. J. — PROJ/TASK NR. 9751-37510
STERLY Z. J. J.
PATRICK P. M.

AFOSR 2354
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
DETERMINATION OF THE ATOMIC KINETICS OF THE FREEZING PROCES PART I. THEORY
J CHEM PHYS 37 841-848 AUG 1962
BY KRAMER J J — DDC NR. 276090
TILLER W A — CONTRACT NR. AF 49<638>-1029
PROJ/TASK NR. 9762-37621

AFOSR 2355
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
CONTROLLED FREEZING OF WATER JAN 1962
BY HARRISON J D — DDC NR. 276091
TILLER W A — CONTRACT NR. AF 49<638>-1029
PROJ/TASK NR. 9762-37621

AFOSR 2357
GENERAL ATOMIC SAN DIEGO CALIF
PART A. CHEMICAL REACTIONS USING MODULATED FREE RADICAL BEAMS PART B. THE VAPOR PRESSURE OF SOLID HYDROGEN IN THE TEMPERATURE RANGE FROM 1.70K TO 11.16K. FINAL REPORT
BY HARRISON A. H. — DDC NR. 277010
FITE W. L. — CONTRACT NR. AF 49<638>-301
GUTHRIE G. L. — PROJ/TASK NR. 9750-37501

AFOSR 2359
POLYTECHNIC INST OF BROOKLYN N Y
LAMINAR, TRANSITIONAL, AND TURBULENT HEAT TRANSFER TO A CONE-CYLINER-FLARE BODY AT MACH 8.0 FEB 1962
BY ZAKKAY V. — DDC NR. 276122
CALLAHAN C. J. — CONTRACT NR. AF 49<638>-445
FERRI A<PI> — PROJ/TASK NR. 9781-37712

AFOSR 2360
SOUTHERN UNIV OF CALIFORNIA LOS ANGELES
PRESSURE LAG THROUGH ORIFICES AND SHORT TUBES FOR SMALL PRESSURE RATIOS AND FLOW CONDITIONS FROM FREE MOLECULE TO CONTINUUM JAN 1962
BY EVERTON A. G. — DDC NR. 276626
SMETANA F. O. — CONTRACT NR. AF 49<638>-831
CHUAN R L<PI> — PROJ/TASK NR. 9783-37725

AFOSR 2361
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE CRITERION OF RAREFACTION OF PLASMAS MAR 1962
BY KOGA T — DDC NR. 276627
CHUAN R L<PI> — CONTRACT NR. AF 49<638>-831
PROJ/TASK NR. 9783-37725

AFOSR 2362
WASHINGTON U ST LOUIS MO
POLARIZATION OF PROTONS IN VE3 <D,P> BE10
PHYS REV 127 1252-1257 AUG 1962
BY ALLAS R G — DDC NR. —
BERCAW R W — CONTRACT NR. AF 49<638>-843
SHULL F B — PROJ/TASK NR. 9751-37512
POND T A<P.I.>

AFOSR 2364
ROCHESTER UNIV OF NY
THE TRIPLET STATE OF BENZENE
JACS 84 1502 1962
BY NOYES JR W A — DDC NR. —
CONTRACT NR. AF 49<638>-679
PROJ/TASK NR. 9760-3760

AFOSR 2366
JOHNS HOPKINS UNIV BALTIMORE MD
THE FAR INFRARED SPECTRUM OF TETRAHYDROFURAN
BY ROBINSON D W — DDC NR. —
CONTRACT NR. AF 49<638>-468
PROJ/TASK NR. 9760-37600

AFOSR 2367
JOHNS HOPKINS UNIV BALTIMORE MD
FAR INFRARED SPECTRUM AND STRUCTURE OF DISILOXANE
J CHEM PHYS 33 1004-1007 3CT 1960 ERRATUM BY D W ROBINSON W J LAFFERTY J CHEM PHYS 35 22 45-2246 DEC 1961
BY ARONSON J R — DDC NR. —
LORD R C — CONTRACT NR. AF 49<638>-468
ROBINSON D W — PROJ/TASK NR. 9760-37600

AFOSR 2371
MARYLAND UNIV OF COLLEGE PARK
A THEOREM ON ERROR ESTIMATION FOR FINITE DIFFERENCE ANALOGUES OF THE DIRICHLET PROBLEM FOR ELLIPTIC EQUATIONS FEB 1962
BY BRAMBLE J H — DDC NR. 274315
HUBBARD B E — CONTRACT NR. AF 49<638>-228
DIAZ J B<P.I.> — PROJ/TASK NR. 9783-05

AFOSR 2372
TECHNION RSCH & DEVEL FOUND HAIFA ISRAEL
A DONNELL TYPE THEORY FOR BENDING AND BUCKLING OF ORTHOTROPIC CONICAL SHELLS DEC 1961
BY SINGER J. — DDC NR. 279952
CONTRACT NR. AF 61<052>-339
PROJ/TASK NR. 9782-37717

AFOSR 2373
SOUTHAMPTON UNIV ENGLAND
RESEARCH ON STEROCHEMISTRY OF COORDINATION NUMBER FIVE FINA REPORT DEC 1961
BY FOWLES G W A — DDC NR. 279673
CONTRACT NR. AF 61<052>-318
PROJ/TASK NR. 9760-37600

AFOSR 2374
ABERDEEN UNIV OF OLD ABERDEEN SCOTLAND
THE SYSTEM CAO-GA103
J AMER CERAMIC SOC 44 563-566 NOV 1961
BY JEEVARATNAM J — DDC NR. —
GALSSER F P — CONTRACT NR. AF 61<052>-276
TAYLOR H F W<P.I.> — PROJ/TASK NR. 9760-37601

AFOSR 2375
MINNESOTA UNIV OF MINNEAPOLIS
AN ERGODIC THEOREM FOR MARKOV CHAINS 1962
LEIT WAHRSCHEINLICHKEITSTHEORIE 1.*174-176.* 1962
BY OREY S. — DDC NR. —
CONTRACT NR. AF 49<638>-617
PROJ/TASK NR. 9752-37522

AFOSR 2377
ILLINOIS UNIV OF URBANA
SURFACE STUDIES BY RADIOACTIVE METHODS FINAL REPORT MAR 62
BY FRAUENFELDER H — DDC NR. —
CONTRACT NR. AF 18<603>-49
PROJ/TASK NR. 9761-37601

AFOSR 2378
PRINCETON UNIV NJ
BIOLOGY AND SPACE ENVIRONMENT
BUL ATOMIC SCIENTIST 17 206-209 1961
BY PITTENDRIGH C S — DDC NR. —
CONTRACT NR. AF 49<638>-587
PROJ/TASK NR. 9777-37701

AFOSR 2379
PRINCETON UNIV NJ
RESETTING THE SPROULATION RHYTHN IN PILOBOLUS WITH SHORT IUFLASHES OF HIGH INTENSITY
SCI 131 728-730 MAR 1960
BY BRUCE V G — DDC NR. —
WEIGHT F — CONTRACT NR. AF 49<638>-587
PITTENDRIGH C S — PROJ/TASK NR. 9777-37701

AFOSR 2380
PRINCETON UNIV NJ
ON TEMPORAL ORGANIZATION IN LIVING SYSTEMS
HARVEY LECTURES 56 1961 ACAD PRESS, NY PP 93-125
BY PITTENDRIGH C S — DDC NR. —
CONTRACT NR. AF 49<638>-587
PROJ/TASK NR. 9777-37701

AFOSR 2381
PRINCETON UNIV NJ
CIRCADIAN RHYTHMS AND THE CIRCADIAN ORGANIZATION OF LIVING SYSTEMS
COLD SPRING HARBOR SYMP ON QUANTATIVE BIOL. VOLUME XXV 159-184 1960
BY PITTENDRIGH C S — DDC NR. —
CONTRACT NR. AF 49<638>-587
PROJ/TASK NR. 9777-37701

AFOSR 2382
PRINCETON UNIV NJ
AN EFFECT OF HEAVY WATER ON THE PHASE AND PERIOD OF THE CIRCADIAN RHYTHN IN EUGLENA
J OF CELLULAR & COMP PHYSIOL 56 AUG 60 25331
BY BRUCE V G — DDC NR. —
PITTENDRIGH C S — CONTRACT NR. AF 49<638>-587
PROJ/TASK NR. 9777-37701

AFOSR 2385
RENSSELAER POLYTECHNIC INST TROY NY
SMALL VIBRATION OF A SLIGHTLY STIFF PENDULM MAR 1962
BY HANDELMAN G H — DDC NR. 275934
KELLER J B — CONTRACT NR. AF 49<638>-962
PROJ/TASK NR. 9782-37717

AFOSR 2388
WEIZMANN INST OF SCI REHOVOTH ISRAEL
THEORETICAL STUDIES OF MANY PARTICLE SYSTEMS, COVERING THE PERIOD OF 1 JAN 1960-31 DEC 1961 1962
BY LIPKIN H J — DDC NR. 279675
DE SHALIT A<P.I.> — CONTRACT NR. AF 61<052>-337
LIPKIN H J<P.I.> — PROJ/TASK NR. 9750-37500

AFOSR 2389
WEIZMANN INST OF SCI REHOVOTH ISRAEL
NUCLEAR POLARIZABILITY IN ISOTOPE AND ISOMER SHIFTS JAN 62
BY REINER A S — DDC NR. 279672
WILETS L — CONTRACT NR. AF 61<052>-337
DE SHALIT A<P.I.> — PROJ/TASK NR. 9750-37500
LIPKIN H J<P.I.>

AFOSR 2390
WEIZMANN INST OF SCI REHOVOTH ISRAEL
EFFECT OF A PERIODIC POTENTIAL ON A DEGENERATE FERMI GAS JAN 1962
BY MOSZKOWSKI S — DDC NR. 273697
WILETS L — CONTRACT NR. AF 61<052>-337
DE SHALIT A<P.I.> — PROJ/TASK NR. 9750-37500
LIPKIN H J<P.I.>

AFOSR 2391
LOUVAIN UNIV OF BELGIUM
A KINETIC STUDY OF HYDROCARBON-OXYGEN-NITROGEN FLAMES FEB 1962 FINAL REPORT
BY VAN TIGGELEN A. — DDC NR. 273629
FALCONER W. E. — CONTRACT NR. AF EOAR 61-23
PROJ/TASK NR. 9751-01

AFOSR 2392
BIRMINGHAM, UNIV OF ENGLAND
RESEARCH ON MICROWAVE SPECTROSCOPY. 3 PR POSSIBLE FINAL REPORTS
BY SHERIDAN J DDC NR. 273614
COX A. P. CONTRACT NR. AF 61(052)-241
TYLER J. K. PROJ/TASK NR. 9767

AFOSR 2393
MAX-PLANCK INST FUR AERONOMIE GERMANY
RESULTS OF BALLOON FLIGHTS FOR COSMIC RADIATION MEASUREMENTS AT WEISSENAU AND LINDAU. TRANSLATION OF MITTEILUNGEN AUS DEM MAX-PLANCK-INSTITUT NR 6, 1961 DEC 1961
BY FROE H. DDC NR. 273627
EHMERT A. CONTRACT NR. AF 61(052)-372
PFOTZER G. PROJ/TASK NR. 9774-37665

AFOSR 2394
MAUDSLEY HOSPITAL LONDON ENGLAND
MEMBRANE POTENTIALS IN GUINEA-PIG CEREBRAL CORTEX SLICES IN VITRO THEIR DEPENDENCE ON SUBSTRATE AND OXYGEN. THE EFFECT OF CLUPEIN AND OF GANGLIOSIDE PREPARATIONS
J OF NEUROCHEM 8 257-261 1961
BY HILLMAN H H DDC NR.
CONTRACT NR. AF 61(052)-404
PROJ/TASK NR. 9777-37700

AFOSR 2395
HEBREW UNIV JERUSALEM ISRAEL
SOFT X-RAY AND FAR ULTRA VIOLET SPECTROSCOPY FINAL REPORT DEC 1961
BY ALEXANDER F DDC NR. 279511
FRAENKEL B S<P.I .> CONTRACT NR. AF 61(052)-340
PROJ/TASK NR. 9763-37631

AFOSR 2396
CORNELL UNIV, ITHACA, NY
INTERACTION OF LOW-FREQUENCY ELECTROMAGNETIC WAVES WITH A PLASMA
PHYS FLUIDS 4,#1196-1161,#SEP 1961
BY TURCOTTE, D L DDC NR.
SCHUBERT G CONTRACT NR. AF 49(638)-544
SEARS W R <.I.> PROJ/TASK NR.

AFOSR 2397
CONSEJO SUPER. DE INV. CIENTIFICAS, MADRID, SPAIN
1962 PART 1. SEMIANALYTICAL CLASSES WITH W-CONVEX BOUNDS. PART II. EQUIVALENCE OF DAVIS THEORY WITH THAT OF CARLEMAN. PART III. THE UNIQUENESS PROBLEM IN THE THEORY OF NUMERICAL DIVERGENT SERIES AND FORMAL LAWS OF CALCULUS FINAL REPORT.
BY JUAN R S DDC NR.
CONTRACT NR. AF 61(052)-316
PROJ/TASK NR. 9752-37922

AFOSR 2398
GEORGE WASHINGTON CARVER FOUND TUSKEGEE ALA
ALPHA-FLUOROALKYL THIOETHERS MAR 1962
BY MASON C T DDC NR.
CONTRACT NR. AF 49(638)-283
PROJ/TASK NR. 9762-37620

AFOSR 2400
CALIFORNIA UNIV OF BERKELEY
ANALYTICITY IN COMPLEX ANGULAR MOMENTUM OF THE RELATIVISTIC S-MATRIX
BY BARUT A. O. DDC NR.
ZWANZIGER D. E< CONTRACT NR. AF 49(638)-327
KARPLUS R. PROJ/TASK NR. 9750-37500

AFOSR 2404
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA
DYNAMIC CONSIDERATIONS IN FRACTURE ARREST BY RIVETED STIFFENERS
PROC 7TH MIDWESTERN MECHANICS CONF, MICH STATE U, SEP 1961
DEVEL IN MECH, V.1, ED J E LAY AND L E MALVERN, PLENUM PRESS, NY 1961 PP 100-111
BY SANDERS, P H DDC NR.
RONALDI J P CONTRACT NR. AF 49(638)-237
PROJ/TASK NR. 9782-37717

AFOSR 2409
MARYLAND UNIV OF, COLLEGE PARK,
THE TWO-FLUID THEORY OF MAGNETOGASDYNAMICS APPLICATIONS TO WAVE MOTIONS
PROC 7TH MIDWESTERN MECHANICS CONF, MICH STAT U, SEP 1961
DEVEL IN MECH, V. 1, ED J E LAY AND L E MALVERN, PLENUM PRESS, NY 1961 PP 484-502
BY PAI S I DDC NR.
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 2406
POLYTECHNIC INST OF BROOKLYN N Y
THE DERIVATION OF NETWORK FUNCTIONS FROM PHASE FUNCTIONS MAR 62
BY DEUTSCH S. DDC NR. 277911
MARCUWITZ N. CONTRACT NR. AF 18(600)-1505
TRUXAL J. G. PROJ/TASK NR. 4751
WEBER E<PI>

AFOSR 2407
CALIFORNIA INST OF TECHNOLOGY PASADENA
COMMENTS ON MASS EJECTION MECHANISMS IN RED GIANTS
ASTROPHYS J 136,#476-486,# SEP 1962
BY WEYMANN R. DDC NR. 299858
GREENSTEIN J L<PI> CONTRACT NR. AF 49(638)-21
PROJ/TASK NR. 9774-01

AFOSR 2409
MARYLAND UNIV OF COLLEGE PARK
INTRODUCTORY LECTURES ON SCATTERING THEORY
BY GREENBERG O. W. DDC NR. 279056
TOLL J S<PI> CONTRACT NR. AF 49(638)-24
PROJ/TASK NR. 9751-03

AFOSR 2410
MARYLAND UNIV OF COLLEGE PARK
RELATIVISTIC INVARIANCE AND THE SQUARE-ROOT KLEIN-GORDON EQUATION APR 1962
BY SUCHER J. DDC NR. 279473
TOLL J S<PI> CONTRACT NR. AF 49(638)-24
PROJ/TASK NR. 9751-03

AFOSR 2411
POLYTECHNIC INST OF BROOKLYN NY
A STUDY OF AERODYNAMIC EFFECTS OF ISOTHERMAL AND TEMPERATURE GRADIENT ATMOSPHERES ON REENTRY TRAJECTORIES MAR 1962
BY RUTE, L. DDC NR. 281765
FERRI A<PI> CONTRACT NR. AF 49(638)-445
PROJ/TASK NR. 9781-37712

AFOSR 2412
COLUMBIA UNIV NY
INFRARED AND OPTICAL MASERS FINAL REPORT MAR 1962
BY KUSCH, P. DDC NR.
TOWNES C H<PI> CONTRACT NR. AF 49(638)-507
PROJ/TASK NR. 9751-02

AFOSR 2414
NEW YORK UNIV NY
AN INDTRODUCTION TO THRESHOLD DEVICES AND THEIR USE IN PATTERN RECOGNITION AUG 1961
BY KASZERMAN P DDC NR. 281760
CHANG S S L<P.I .> CONTRACT NR. AF 49(638)-586
RAGAZZINI J R<P.I.> PROJ/TASK NR. 9768-37650

AFOSR 2416
HUMAN SCIENCES RSCH INC ARLINGTON VA
SYSTEMS OF INFORMATION IN SMALL GROUP RESEARCH STUDIES MAR 62
BY MCGRATH J F DDC NR. 276858
CONTRACT NR. AF 49(638)-256
PROJ/TASK NR. 9778-02

AFOSR 2417
POLYTECHNIC INST OF BROOKLYN, NY
BILINEAR PATTERN CLASSIFIERS MAR 1962
BY KAMPMEIER, J. F. DDC NR. 277417
WEBER E<PI> CONTRACT NR. AF 18(600)-1505
MARCUWITZ N<PI> PROJ/TASK NR. 4751
TRUXAL J G<PI>

AFOSR 2418
CORNELL UNIV ITHACA NY
SPURIOUS EFFECTS AND ALIGNMENT PROCEDURES IN X-RAY SPECTROMETRY APR 1962
BY SCHNOPPER H W DDC NR. 278811
PARRATT L G<P.I.> CONTRACT NR. AF 49(638)-402
PROJ/TASK NR. 9760-37601

AFOSR 2420
BUENOS AIRES UNIV OF ARGENTINA
MORPHOLOGICAL BASES FOR A NURSING ROLE OF GLIA IN THE TOAD RETINA, ELECTRON MICROSCOPE OBERSEVATIONS
J BIOPHYS! & BIOCHEM CYTOLOGY II 237-243 1961
BY LASANSKY A DDC NR.
DE ROBERTIS E<P.I.> CONTRACT NR. AF-AFOSR-60-5
PROJ/TASK NR. 9777-37702

AFOSR 2421
BUENOS AIRES UNIV OF ARGENTINA
THE ACTION OF GLUTAMATE AND THE PROBLEM OF THE ,,EXTRACELLULAR SPACE,, IN THE RETINA- AN ELECTRON MICROSCOPE STUDY
ZEIT FUR ZELLFORSCHUNG 55 649-661 1961
BY WALD F DDC NR.
DE ROBERTIS E CONTRACT NR. AF-AFOSR-60-5
PROJ/TASK NR. 9777-37702

AFOSR 2422
JOHNS HOPKINS UNIV, BALTIMORE, MD
FEB 1962 FAR INFRARED INTERFEROMETRIC SPECTROSCOPY, FINAL REPORT
BY STRONG, J. DDC NR. 278108
CONTRACT NR. AF 18(600)-1307
PROJ/TASK NR.

AFOSR 2427
ROCHESTER UNIV OF NY
PHOTOSENSITIZATION BY BENZENE VAPOR BIACATYL . THE TRIPLET STATE OF BENZENE
J CHEM PHYS 37 583-5+1 AUG 1962 ABST IN AFOSR 2980-ABSTRACT PHOTOCHEM SYMP, BRUSSELS JUNE 1962
BY SHIKAWA H I DDC NR.
NOYES JR W A CONTRACT NR. AF 49(638)-679
PROJ/TASK NR. 9760-37600

AFOSR 2431
TORONTO UNIV OF CAN
RESEARCH IN MAGNETOGASDYNAMICS FINAL REPORT
BY DELEEUW, J. H. DDC NR. 283026
CONTRACT NR. AF 49(638)-823
PROJ/TASK NR. 9781-01

AFOSR 2443
CALIFORNIA UNIV OF BERKELEY
ON THE ROOTS OF A REAL POLYNOMIAL INSIDE THE UNIT CIRCLE AND A STABILITY CRITERION FOR LINEAR ADDENDUM IS AFOSR 4796 DEC 1961
BY JURY E I DDC NR. 227000
BLANCHARD J CONTRACT NR. AF AFOSR-62-70
LEONDES C T<P.I.> PROJ/TASK NR. 9783-02

AFOSR 2445
CALIFORNIA UNIV OF BERKELEY
THE MINIMIZATION OF BOOLEAN FUNCTIONS CONTAINING UNEQUAL AND NONLINEAR COST FUNCTIONS JAN 1962
BY BREUER, M. A. DDC NR. 278592
PEDERSON D O<PI> CONTRACT NR. AF 49(638)-1043
WHINNERY J<PI> PROJ/TASK NR. 4751

AFOSR 2446
CALIFORNIA INST OF TECHNOLOGY, PASADENA
STUDIES OF THE PECULIAR A STARS .I. THE OXYGEN ABUNDANCE ANOMALY
ASTROPHYS J 136 408-421 SEP 1962
BY SARGENT, W. L. W. DDC NR.
SEARLE, L. CONTRACT NR. AF 49(638)-21
GREENSTEIN J L(PI) PROJ/TASK NR. 9774-01

AFOSR 2448
CALIFORNIA UNIV OF BERKELEY
TRANSISTOR BANDPASS AMPLIFIERS OF WELL-DEFINED PERFORMANCE
BY BOOTHROYD, A. R. DDC NR. 277370
PEDERSON D O(PI) CONTRACT NR. AF 49(638)-1043
WHINNERY J(PI) PROJ/TASK NR. 4751

AFOSR 2450
MARYLAND UNIV OF COLLEGE PARK
POISSON-S EQUATION AND GENERALIZED AXIALLY SUMMETRIC POTENTIAL THEORY MAR 1962
BY GILBERT R P DDC NR. 274316
DIAZ J B(P.I.) CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-05

AFOSR 2451
CHICAGO UNIV OF ILL
STUDIES IN MATHEMATICAL BIOPSYCHOLOGY FINAL REPORT APR 62
BY LANDAHL H D DDC NR. 287857
WHITE H CONTRACT NR. AF 49(638)-414
PROJ/TASK NR. 9777

AFOSR 2452
PARIS UNIV OF FRANCE
1962 INTERACTION RANGE AND HIGH ENERGY SCATTERING
BY LEVY M DDC NR. 280328
CONTRACT NR. AF EOAR 62-10
PROJ/TASK NR. 9750-9750-01

AFOSR 2455
GENERAL APPLIED SCI LABORATORIES, INC. WESTBURY, NY
ACOUSTIC FIELD OF A CYLINDRICAL JET DUE TO A DISTRIBUTION OF RANDOM SOURCES FOR QUADRUPOLES
BY SLUTSKY S DDC NR. 276032
ARNOLD L (P.I.) CONTRACT NR. AF 49(638)-194
PROJ/TASK NR. 9781-37712

AFOSR 2456
THE JOHNS HOPKINS UNIV, BALTIMORE, MD
MEASUREMENTS IN A TWO-DIMENSIONAL TURBULENT JET APR 1962
BY HESKESTAD G DDC NR.
CORRSIN S (P.I.) CONTRACT NR.
PROJ/TASK NR. 9781-37712

AFOSR 2458
DUKE UNIV DURHAM NC
A NOTE ON SOME RELATIONS BETWEEN FOURIER AND HANKEL TRANSFORMS SEP 1961
BY SNEDDON I N DDC NR.
GERGEN J J(P.I.) CONTRACT NR. AF 49(638)-892
PROJ/TASK NR. 9769-03

AFOSR 2459
CHICAGO UNIV OF ILL
THE DERIVATION OF D-ARCY THOMPSON-S THEORY OF TRANSFORMATIO FROM THE THEORY OF OPTIMAL DESIGN
BUL OF MATH BIOPHYS 24 279-290 1962
BY ROSEN R DDC NR.
CONTRACT NR. AF 49(638)-917
PROJ/TASK NR. 9777-37703

AFOSR 2460
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SNAPPING PHENOMENA OF ELASTO-PLASTIC CURVED BEAMS UNDER STATIC AND DYNAMIC LOADINGS JAN 1962
BY HSU, P. T. DDC NR. 275779
CHEN, M. M. CONTRACT NR. AF 49(638)-985
CHEN T H H(PI) PROJ/TASK NR. 9782-02

AFOSR 2461
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
GROWUP VELOCITY AND ENERGY PROPAGATION FOR THREE-DIMENSIONAL WAVES
COMM ON PURE & APPL MATH 14 675-691 DEC 1961
BY WHITHAM G B DDC NR.
CONTRACT NR. AF 49(638)-708
PROJ/TASK NR. 9752-04

AFOSR 2462
OHIO STATE UNIV, COLUMBUS
NUCLEAR MAGNETIC RESONANCE SPECTRA OF FLUOROCARBONS. PT IV DISCUSSION OF CHEMICAL SHIFTS AND SPIN COUPLING CONSTANTS
J MOL SPECTROSCOPY 7 393-398 DEC 1961
BY ELLEMAN, D. D. DDC NR.
BROWN, L. C. CONTRACT NR. AF 49(638)-745
WILLIAMS, D. PROJ/TASK NR. 9768-37650

AFOSR 2463
NEW YORK UNIV, NY
PLANE STRAIN PROBLEMS FOR A PERFECTLY ELASTIC MATERIAL OF HARMONIC TYPE
COMM ON PURE & APPL MATH 13 239-296 MAY 1960
BY JOHN, F. DDC NR.
STOKER J J(PI) CONTRACT NR. AF 49(638)-161
PROJ/TASK NR. 9782-37717

AFOSR 2464
NEW YORK UNIV NY
NON-LINEAR DEFLECTION OF THIN ELASTIC PLATES UNDER TENSION
COMM ON PURE & APPL MATH 14 81-112 MAY 1961
BY FIFE, P. DDC NR.
STOKER J J(PI) CONTRACT NR. AF 49(638)-161
PROJ/TASK NR. 9782-37717

AFOSR 2465
NEW YORK UNIV NY
BOUNDARY-LAYER THEORY FOR ELASTIC PLATES
COMM ON PURE & APPL MATH 14 1-39 FEB 1961
BY FRIEDRICHS, K. O. DDC NR.
DRESSLER, R. F. CONTRACT NR. AF 49(638)-161
STOKER J J(PI) PROJ/TASK NR. 9782-37717

AFOSR 2466
NEW YORK UNIV, N.Y.
SIMPLE PROOFS OF THE THEOREMS OF J S LOMONT AND M E MOSES ON THE DECOMPOSITION AND REPRESENTATION OF VECTOR FIELDS
COMM ON PURE & APPL MATH [illegible]-80 FEB 1961
BY KELLER, J. B. DDC NR.
KLINE, M.(P.I.) CONTRACT NR. AF 49 (638)-229
PROJ/TASK NR. 9769-37658

AFOSR 2468
POLYTECHNIC INST OF BROOKLYN, NY
GENERALIZED INTEGRAL RELATIONSHIP IN FLOW FIELDS WITH VORTEX SHEETS
J AEROSP SCI 27 872-873 NOV 1960
BY KOBAYAKAWA, S. DDC NR.
TING, L. CONTRACT NR. AF 49(638)-445
FERRI A(PI) PROJ/TASK NR. 9781-37712

AFOSR 2469
PRINCETON UNIV NJ
HYPERSONIC VISCOUS FLOW NEAR THE STAGNATION POINT IN THE PRESENCE OF MAGNETIC FIELD
JAEROSP SCI 27 882-893 DEC 1960
BY CHING-SHENG WU DDC NR.
BOGDONOFF S(PI) CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-37712

AFOSR 2470
WASHINGTON UNIV OF SEATTLE
AUTOMATIC SLIT DRIVE FOR INFRARED SPECTROMETERS
J OPT SOC AMER 50 11-13 JAN 1960
BY EGGERS JR D F DDC NR.
EMERSON N T CONTRACT NR. AF 18(600)-1522
CROSS P C(PI) PROJ/TASK NR. 9760-37600

AFOSR 2471
CALIFORNIA UNIV OF BERKELEY, CALIF
APPARATUS FOR THE DETERMINATION OF THE BAND ABSORPTION OF GASES AT ELEVATED PRESSURES AND TEMPERATURES
J OPT SOC AMER 50 130-136 FEB 1960
BY BEVANS, J. T. DDC NR.
DUNKLE, R. V. CONTRACT NR. AF 18(600)-1570
EDWARDS, D. K. PROJ/TASK NR. 9752-37520
GIER, J. T.
LEVENSON, L. L.
OPPENHEIM, A. K.

AFOSR 2472
CALIFORNIA UNIV OF BERKELEY, CALIF
ABSORPTION BY INFRARED BANDS OF CARBON DIOXIDE GAS AT ELEVATED PRESSURES AND TEMPERATURES
J OPT SOC AMER 50 617-626 JUN 1960
BY EDWARDS, D. K. DDC NR.
DUNKLE R V(PI) CONTRACT NR. AF 18(600)-1570
PROJ/TASK NR. 9752-37520

AFOSR 2474
ILLINOIS UNIV OF URBANA
FINAL REPORT - RESEARCH ON MODULATING LIGHT AT MICROWAVE FREQUENCIES
BY HOLSHOUSER, S. D. DDC NR. 275342
CONTRACT NR. AF 49(638)-556
PROJ/TASK NR. 9768

AFOSR 2476
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE INFRARED OI AND MG II LINES IN THE SPECTRA OF THE METALLIC-LINE STARS
ASTROPHYS J 136 671-673 SEP 1962
BY SARGENT, W. L. W. DDC NR. 295860
SEARLE, L. CONTRACT NR. AF 49(638)-21
GREENSTEIN J L(PI) PROJ/TASK NR. 9774-01

AFOSR 2477
MARYLAND UNIV OF COLLEGE PARK
RELATIVISTIC QUANTUM MECHANICS & QUANTUM FIELD THEORY, V. II MAR 1962
BY SUCHER, J. DDC NR. 289186
TOLL J S(PI) CONTRACT NR. AF 49(638)-24
PROJ/TASK NR. 9751-01

AFOSR 2478
WASHINGTON UNIV ST LOUIS, MO
ELECTRON-SPIN RESONANCE INVESTIGATIONS OF THE NEGATIVE IONS OF FOUR ORGANOSILICON COMPOUNDS JUL 1962
BY TOWNSEND, M. G. DDC NR. 278252
NORBERG R(PI) CONTRACT NR. AF 49(638)-464
WEISSMAN S I PROJ/TASK NR. 9751-02

AFOSR 2479
CORNELL UNIV ITHACA NY
PROPERTIES OF BI2TE3-SB2TE3 ALLOYS.
J APPL PHYS 33 2186-2190 JUL 1962
BY SMITH M J DDC NR. 295867
KNIGHT R J CONTRACT NR. AF 49(638)-480
SPENCER C W PROJ/TASK NR. 9760-37601

AFOSR 2480
THOMPSON RAMO WOOLDRIDGE, INC., CANOGA PARK, CALIF.
DEGREES OF COMPUTER PARTICIPATION IN LINGUISTIC RESEARCH, APR 1962
BY GARVIN P L DDC NR.
CONTRACT NR. AF 49(638)-1128
PROJ/TASK NR. 9769-37659

AFOSR 2483
GENERAL ELECTRIC CO, PHILADELPHUA, PA
STRUCTURAL RESPONSE TO INTENSE ELECTROMAGNETIC RADIATION FINAL REPORT FEB 62
BY GOOD, JR. R C DDC NR. 275042
WENDT F (P.I.) CONTRACT NR. AF 49(638)-1030
PROJ/TASK NR. 9782-02

AFOSR 2486
CALIFORNIA UNIV OF BERKELEY
EXPERIMENTAL PROCEDURE FOR THE DETERMINATION OF CAVITY PARAMETERS
REV SCI INSTR 30 684-687 AUG 1959
BY YARIV, A. DDC NR.
CLAPP, F. D. CONTRACT NR. AF 49(638)-102
WHINNERY J R(PI) PROJ/TASK NR. 9768-37650

AFOSR 2488
CALIFORNIA UNIV OF LOS ANGELES, CALIF
ON THE THEORY OF NUCLEAR REACTIONS
ANN OF PHYS 17 114-158 JAN 1962
BY LIPPERHEIDE, R. DDC NR.
SAXON, D. S.<P.I.> CONTRACT NR. AF 49(638)-717
PROJ/TASK NR. 9750-37500

AFOSR 2489
UNIVERSITY COLLEGE CORK IRELAND
RESEARCH ON AEOLOTROPIC ELASTICITY AND PLATES FINAL REPORT 1962
BY QUINLAN P M DDC NR. 279903
CONTRACT NR. AF EOAR 61-4
PROJ/TASK NR. 9752-37522

AFOSR 2490
TRAINING CENTER FOR EXPERIMENTAL AERODYNAMICS BRUSSELS BELG
MATHEMATICAL STUDY ON KINETIC THEORY OF GASES APPLIED TO LOW DENSITY HIGH SPEED FLOW FINAL REPORT JAN 1962
BY SMOLDEREN J J DDC NR. 289458
CONTRACT NR. AF 61(052)-486
PROJ/TASK NR. 9769-37658

AFOSR 2491
AMERICAN MATHEMATICAL SOC PROVIDENCE, RI
PARTIAL DIFFERENTIAL EQUATIONS,
PROCEEDINGS OF THE 4TH SYMPOSIUM IN PURE MATHEMATICS OF THE AMERICAN MATHEMATICAL SOCIETY,
HELD AT THE UNIVERSITY OF CALIFORNIA,
BERKELEY, CALIF, 21-22 APRIL 1960
PUBL AMER MATH SOC, 1961
BY MORREY, JR, ED C B DDC NR.
WALKER G L <P.I.> CONTRACT NR. AF 49(638) 746
PROJ/TASK NR. 9769-37658

AFOSR 2493
HULL UNIV ENGLAND
DISSOCIATION OF HYDROGEN PEROXIDE AND ITS ROLE IN THE HYDROGEN-OXYGEN REACTION
8 TH SYMP <INTERNATIONAL> ON COMBUSTION, CALIF INST TECH, PASADENA, CALIF 1960 PUBL WILLIAMS & WILKINS 1962 PP. 103-109
BY BALDWIN, R. R. DDC NR.
DORAN, P. CONTRACT NR. AF 61(052)-62
MAYOR, L. PROJ/TASK NR. 9751-37510

AFOSR 2494
CALIFORNIA UNIV OF, BERKELEY, CALIF
FLAME IONIZATION DURING THE DEVELOPMENT OF DETONATION
<INTERNATIONAL> ON COMBUSTION, CALIF INST TECH, PASADENA, 1960, PUBL WILLIAMS & WILKINS, 1962 PP. 199-206
BY LADERMAN, A. J. DDC NR.
HECHT, G. J. CONTRACT NR. AF 49(638)-166
STERN, R. A. PROJ/TASK NR. 9751-37510
OPPENHEIM, A. K.

AFOSR 2495
INST NACIONAL DE TECNICA AERONAUTICA, MADRID, SPAIN
DISTRIBUTION OF RADICALS IN LAMINAR FLAMES
8TH SYMPOSIUM <INTERNATIONAL> ON COMBUSTION, CALIF INST TECH, PASADENA, 1960 PUBL WILLIAMS & WILKINS 1962 PP. 398-411
BY MILLAN, G. DDC NR.
DA RIVA, I. CONTRACT NR. AF 61(052)-221
PROJ/TASK NR. 9751-37510

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U S BUREAU OF MINES
TURBULENT BURNING VELOCITIES OF CORE-ZONE FLAMES
8TH SYMPOSIUM <INTERNATIONAL> ON COMBUSTION, CALIF INST TECH, PASADENA, 1960 PUBL WILLIAMS & WILKINS, 1962 PP. 534-542(QD 516, S98 8TH 1960)
BY RICHMOND J K DDC NR.
GRUMER J CONTRACT NR. CSO 680 58-10
BURGESS D S PROJ/TASK NR.

AFOSR 2497
TEXAS UNIV OF, AUSTIN
MECHANISMS OF NUCLEATION IN CARBON FORMATION
8TH SYMPOSIUM <INTERNATIONAL> ON COMBUSTION CALIF INST TECH PASADENA, 1960 PUBL WILLIAMS & WILKINS 1962 PP. 774-784
BY STEHLING, F. C. DDC NR.
FRAZEE, J. D. CONTRACT NR. AF 18(603)-142
ANDERSON, R. C. PROJ/TASK NR. 9751-37510
MATSEN, F. A.<P.I.>

AFOSR 2498
INST NACIONAL DE TECHNICA AERONAUTICA, MADRID, SPAIN
COMBUSTION OF LIQUID MONOPROPELLANTS AND BIPROPELLANTS IN DROPLETS
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BY TARIFA, C. S. DDC NR.
PEREZ DEL NOTARIO, P CONTRACT NR. AF 61(052)-221
MORENO, F. G. PROJ/TASK NR. 9751-37510
MILLAN, G. <P.I.>

AFOSR 2499
YALE UNIV, NEW HAVEN CONN
ATOMIC PROCESSES INVOLVING MUONIUM AND ANTI-MUONIUM
2D INTERNATIONAL CONFERENCE ON THE PHYSICS OF ELECTRONIC AND ATOMIC COLLISIONS, COLORADO, U BOULDER, COLO, JUN 1961
ABST OF PAPERS, W. A. BENJAMIN, INC NY, 1961 PP 166-168
BY HUGHES, V. W. DDC NR.
MCCOLM, D. CONTRACT NR. AF 49(638)-545
ZIOCK, K. PROJ/TASK NR. 9767
PREPOST, R.

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MARYLAND UNIV OF COLLEGE PARK
HEISENBERG FIELDS WHICH VANISH ON DOMAINS OF MOMENTUM SPACE
APR 1962
BY GREENBERG, O. W. DDC NR. 275907
STOLL J<P.I> CONTRACT NR. AF 49(638)-24

AFOSR 2501
RIAS BALTIMORE MD
SOME MATHEMATICAL CONSIDERATIONS ON NONLINEAR AUTOMATIC CONTROLS APR 1962
BY LEFSCHETZ S DDC NR.
CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-37726

AFOSR 2504
CAMBRIDGE UNIV OF ENGLAND
STUDY OF THE DEVELOPMENT AND INTEGRATION OF NEST-BUILDING SKILLS IN CANARIES EFFECT OF ABLATION OF THE FOREBRAIN ON AVIAN BEHAVIOUR, CURIOSITY AND FEAR RESPONSES TO STRANGE STIMULI FINAL REPORT
BY HINDE R A DDC NR. 280104
THORPE W H <P .I.> CONTRACT NR. AF 61 (052)-97
PROJ/TASK NR. 9777-37700

AFOSR 2505
COPENHAGEN UNIV DENMARK
RESPONSES OF SINGLE CORTICAL CELLS OF MONKEY TO MONOCHROMATIC FLASHES JAN 1962
BY LENNOX-BUCHTHAL M A DDC NR. 280014
CONTRACT NR. AF 61(052)-189
PROJ/TASK NR. 9777-37700

AFOSR 2506
LUND UNIV OF SWEDEN
UPTAKE OF PHENYL AND INDOLE AKLYLAMINES BY THE STORAGE GRANULES OF THE ADRENAL MEDULLA IN VITRO
MEDICINA EXPERIMENTALIS 5 122-124 1961
BY CARLSSON A DDC NR.
HILLARP N A CONTRACT NR. AF 61(052)-247
PROJ/TASK NR. 9777-37700

AFOSR 2507
LUND UNIV OF SWEDEN
STUDY OF THE FORMATION, METABOLISM AND PHYSIOLOGICAL ROLE OF DOPAMINE IN THE BRAIN FEB 1962
BY CARLSSON A DDC NR. 280018
CONTRACT NR. AF 61(052)-247
PROJ/TASK NR. 9777-37700

AFOSR 2508
CAMBRIDGE UNIV ENGLAND
REGULATION OF OXYGEN TENSION IN THE BRAIN, MAMMARY GLAND AND TESTIS, ANNUAL SUMMARY REPORT NR 1 1OCT 1960-30 SEP 61 1962
BY CROSS B A DDC NR. 288491
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AFOSR 2509
CAMBRIDGE UNIV OF ENGLAND
MAMMARY OXYGEN TENSION AND THE MILK-EJECTION MECHANISM
J ENDOCRIN 23 375-384 1962
BY CROSS B A DDC NR.
SILVER I A CONTRACT NR. AF 61(052)-301
PROJ/TASK NR. 9777-37701

AFOSR 2510
ROME UNIV OF ITALY
NEUROPHYSIOLOGICAL STUDIES OF BEHAVIOR, MODIFICATIONS OF CORTICAL EVOKED RESPONSES DURING AVOIDANCE CONDITIONING IN THE MONKEY MAR 1962
BY RICCI G DDC NR. 280015
CONTRACT NR. AF 61(052)-345
PROJ/TASK NR. 9777-37700

AFOSR 2511
FREE UNIV OF BRUSSELS BELGIUM
THE ROLE OF RIBONUCLEIC ACID AND SULFHYDRIL GROUPS IN MORPHOGENESIS
GROWTH IN LIVING SYSTEMS PROC INTER SYMP ON GROWTH, PURDUE U JUNE 1960, ED M X ZARROW, BASIC BOOKS, INC 1961 PP . 241-275
BY BRACHET J DDC NR.
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AFOSR 2512
FREE UNIV OF BRUSSELS BELGIUM
AUTORADIOGRAPHICAL RESEARCH ON THE FORMATION OF PHRAGOPLAST
PROTOPLASMA 53 387-396 1961
BY OLSZEWSKA M J DDC NR.
BRACHET J<P.I.> CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2513
FREE U BRUSSELS BELGIUM
IL RUOLO DEI GRUPPI SULFIDRILICI NELLA DIVISIONE CELLULARE E NELLA MORFOGENESI
THE ROLE OF THE SULFHYDRILIC GROUP ON CELL DIVISION AND MORPHOGENESIS
MIN MED 52 2091-2099 JUN 1961
BY BRACHET J DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2514
FREE UNIV OF BURSSELS BELGIUM
MORPHOGENETIC EFFECTS OF LIPOIC ACID ON AMPHIBIAN EMBROYS
NATURE 189 156-157 JAN 1961
BY BRACHET J DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2515
FREE UNIV OF BRUSSELS BELGIUM
THE LIVING CELL
SCI AMER 205 51 62 SEP 1961
BY BRACHET J DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-37702

AFOSR 2516
COMMUNICATION RSCH INST MIAMI FLA
SOUNDS EMITTED BY THE BOTTLENOSE DOLPHIN
SCI 133 1689 1693 MAY 1961
BY LILLY J C — DDC NR.
MILLER AM — CONTRACT NR. AF AFOSR 61-62
PROJ/TASK NR. [illegible]

AFOSR 2525
PRINCETON UNIV NJ
EVALUATION OF SWIRL ATOMIZER SPRAY CHARACTERISTICS BY A LIGHT SCATTERING TECHNIQUE FEB 1962
BY COHEN, N. — DDC NR. 274968
WEBB, M. — CONTRACT NR. AF 49(638)-938
GLASSMAN, I. G. — PROJ/TASK NR. 9750-37501
CROCCO, L.<P.I.> — PROJ/TASK NR.

AFOSR 2526
CORNELL UNIV ITHACA N Y
EVIDENCE FOR THE FORMATION OF BIPHENYL BY INTRAMOLECULAR DIMERIZATION IN THE ELECTROOXIDATION OF TETRAPHENYLBORATE ION
J PHYS CHEM 66 1743 1962
BY GESKE D H — DDC NR.
CONTRACT NR. AF AFOSR-61-18
PROJ/TASK NR. 9763-37630

AFOSR 2527
WEIZMANN INST OF SCI REHOVOTH ISRAEL
UNITARY SYMMETRY OF STRONG INTERACTIONS FEB 1962
BY LEVINSON C A — DDC NR. 280021
LIPKIN H J — CONTRACT NR. AF 61(052)-337
MESHKOV S — PROJ/TASK NR. 9750-37500
DE SHALIT A

AFOSR 2528
PARIS UNIV OF FRANCE
MAR 1962 RELATIVE PARITY FROM CONVERSION INDUCED BY THE COULOMB FIELD OF A NUCLEUS MAR 1962
BY DE RAFAEL, E. — DDC NR. 280023
MICHEL L<PI> — CONTRACT NR. AF 61(052)-474
PROJ/TASK NR. 9750-37500

AFOSR 2529
PARIS UNIV FRANCE
ON THE THEORY OF CLASSICAL FLUIDS II MAR 1962
BY VERLET L — DDC NR. 280022
LEVESQUE D — CONTRACT NR. AF EOAR 62-10
LEVY M — PROJ/TASK NR. 9750-97501

AFOSR 2530
NAPLES UNIV OF ITALY
ON SOME MATHEMATICAL ASPECTS OF LINEARIZED NON EQUILIBRIUM FLOW
BY NAPOLITANO L G — DDC NR. 280129
CONTRACT NR. AF 61(052)-327
PROJ/TASK NR. 9781-37712

AFOSR 2531
STRASBOURG UNIV FRANCE
RESEARCH ON EXCITED LEVELS IN LIGHT NUCLEI USING 1 5 MEV C-W FINAL REPORT JAN 1962
BY GORODETZKY S — DDC NR. 274759
CONTRACT NR. AF 61(052)-478
PROJ/TASK NR. 9751-37512

AFOSR 2532
NAPLES UNIV OF ITALY
CALCULATION OF BAND STRUCTURE OF COMPLEX CRYSTALS BY THE FREE ELECTRON NETWORK MODEL MAR 1962
BY RICCIA G D — DDC NR. 289467
CATANIELLO, E — CONTRACT NR. AF 61(052)-434
PROJ/TASK NR. 9763-37631

AFOSR 2533
CAMBRIDGE LANGUAGE RSCH UNIT, KINGS COLLEGE ENGLAND
MAR 1962 RESEARCH IN INFORMATION STRUCTURES, 1961, SECOND ANNUAL REPORT
BY BASTIN E W — DDC NR. 289650
CONTRACT NR. AF 61(052)-331
PROJ/TASK NR. 9769-37659

AFOSR 2534
INFLUENCE OF A RESONANT ABSORBER WHOSE THICKNESS VARIES LINEARLY WITH TIME ON THE SPECTRAL SHAPE OF AN INCIDENT LORENTZIAN WAVE PACKET
PHYS REV 126 1878 1879 JUN 1962
BY NOWIK I — DDC NR. 280024
COHEN S G — CONTRACT NR. AF 61(052)-347
PROJ/TASK NR. 9763-37631

AFOSR 2535
HEBREW UNIV JERUSALEM ISRAEL
HYPERFINE INTERACTIONS IN THE 2 ROTATIONAL STATE OF DY 160 IN DYSPROSIUM IRON GARNET FEB 1962
BY BAUMINGER R — DDC NR. 274553
COHEN S G — CONTRACT NR. AF 61(052)-347
NOWIK I — PROJ/TASK NR. 9763-37631
OFER S

AFOSR 2536
PITTSBURGH UNIV OF PA
MORIYA INTERACTION AND THE PROBLEM OF THE SPIN ARRANGEMENTS IN BETA MNS APRIL 1962
PHYS REV 126 896 900 MAY 1962
BY KEFFER F — DDC NR.
DEAN C — CONTRACT NR. AF 49(638)-323
ANDERSON J — PROJ/TASK NR. 9760-37601

AFOSR 2538
PITTSBURGH UNIV OF PA
THEORY OF EXCHANGE RESONANCE IN ANTIFERROMAGNETIC CUCL2 1H20
APR 1962
PHYS REV 126 565 572 APR 1962
BY JOENK R J — DDC NR.
KEFFER T — CONTRACT NR. AF 49(638)-323
DEAN C — PROJ/TASK NR. 9760-37601
ANDERSON

AFOSR 2539
PITTSBURGH UNIV OF PA
ANISOTROPIC SUPEREXCHANGE IN BETA MNS APR 1962
PHYS REV 126 901 911 MAY 1962
BY PEARSON J J — DDC NR. 295882
KEFFER F — CONTRACT NR. AF 49(638)-323
SCAN[illegible] — PROJ/TASK NR. 9760-37601
ANDERSON J

AFOSR 2541
PITTSBURGH UNIV OF PA
A NUCLEAR QUADRUPOLE RESONANCE AND X-RAY STUDY OF THE CRYSTAL STRUCTURE OF PENTACHLOROPHENOL APR 1962
BY SAKURAI T — DDC NR. 276140
KEFFER F — CONTRACT NR. AF 49(638)-323
DEAN C — PROJ/TASK NR. 9760-37601
ANDERSON J

AFOSR 2542
PITTSBURGH UNIV OF PA
APPLICATIONS OF NUCLEAR QUADRUPOLE RESONANCE APR 1962
BY JEFFREY G A — DDC NR. 276141
SAKURAI T — CONTRACT NR. AF 49(638)-323
KEFFER F — PROJ/TASK NR. 9760-37601
DEAN C
ANDERSON J

AFOSR 2544
CALIFORNIA UNIV OF LOS ANGELES, CALIF
THERMAL DECOMPOSITION OF NITRYL CHLORIDE IN SHOCK WAVES OCT 1961
BY HIRAOKA, H. — DDC NR. 275885
HARDWICK, E. R. — CONTRACT NR. AF 49(638)-733
PROJ/TASK NR. 9751-37510

AFOSR 2545
STANFORD RSCH INST MENLO PARK CALIF
PHASE I A PRELIMINARY INVESTIGATION AND ANALYSIS OF THE ROLE OF SCIENTISTS IN RESEARCH ORGANIZATIONS FEB 1962
BY VOLLMER H M — DDC NR. 275937
CONTRACT NR. AF 49(638)-1028
PROJ/TASK NR. 9778-02

AFOSR 2546
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION
VII SOME EFFECTS OF EXTRANEOUS SOUND AND MANIFEST ANXIETY ON DISCRIMINATION BEHAVIOR MAR 1962
BY DORFMAN D D — DDC NR.
PLATZ A — CONTRACT NR. AF 49(638)-367
ZAJONC R B — PROJ/TASK NR. 9778-03

AFOSR 2547
STOCKHOLM UNIV OF SWEDEN
ON THE VALIDITY OF SCALES DERIVED BY RATIO AND MAGNITUDE ESTIMATION METHODS NOV 1961
BY MADJID MASHMOUR — DDC NR. 276385
EKMAN G — CONTRACT NR. AF 61(052)-300
PROJ/TASK NR. 9778-03

AFOSR 2548
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
ON THE PHYSIOLOGICAL EFFECTS OF PAINFUL STIMULATION DURING HYPNOTIC ANALGESIA BASIC ISSUES FOR FURTHER RESEARCH
APR 1962
HYPNOSIS CURENT PROBLEMS BY GEORG H ESTABROOKS
HARPER & ROW 1962 PP 54 75
BY SHOR R E — DDC NR.
ORNE M T — CONTRACT NR. AF 49(638)-728
PROJ/TASK NR. 9779-01

AFOSR 2549
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PENNA
THE EFFECT OF SYSTEMATIC AND NONSYSTEMATIC PRESENTATION OF STIMULI ON PERIPHERAL VISUAL ACUITY
J PSYCHOL 53 491 497 1962
BY KARN H W — DDC NR.
GREGG L W — CONTRACT NR. AF 49(638)-770
PITZ G F — PROJ/TASK NR. 9778-03

AFOSR 2551
CALIFORNIA OF UNIV <LOS ANGELES>
ASTRODYNAMICAL REPORT NR 13
RECENT ADVANCES IN ASTRODYNAMICS-JAN 1962
BY BAKER JR R L — DDC NR.
FRANCIS M P — CONTRACT NR. AF 49(638)-498
HERRICK S <P.I.> — PROJ/TASK NR. 9783-02

AFOSR 2552
THE JOHNS HOPKINS U BALTIMORE, MD
GENERATION OF A STRONGLY SWIRLING JET AND PRELIMINARY EXPERIMENTS ON THE EFFECT ON ITS DEVELOPMENT OF INITIAL SWIRL DISTRIBUTION JUN 1962
BY ROSE W G — DDC NR. 292300
CORRSIN S <P.I.> — CONTRACT NR. AF 49(638)-248
PROJ/TASK NR. 9781-37712

AFOSR 2553
MICHIGAN UNIV OF ANN ARBOR
COMMUNICATIONS AND DECISION PROCESSES AS DETERMINANTS OF ORGANIZATIONAL EFFECTIVENESS MAR 1962
BY SEASHORE S E — DDC NR. 275894
BOWERS D G — CONTRACT NR. AF 49(638)-1032
PROJ/TASK NR. 9778-02

AFOSR 2554
MICHIGAN UNIV OF ANN ARBOR
SUPERVISORY METHODS AND GROUP PERFORMANCE NORMS MAR 1962
BY PATCHEN M — DDC NR.
SEASHORE, S E — CONTRACT NR. AF 49(638)-1032
PROJ/TASK NR. 9778-02

AFOSR 2555
MICHIGAN UNIV OF ANN ARBOR
SELF-ESTEEM AND THE DIFFUSION OF LEADERSHIP STYLE MAR 1962
BY BOWERS D G — DDC NR. 276702
SEASHORE S E — CONTRACT NR. AF 49(638)-1032
PROJ/TASK NR. 9778-02

AFOSR 2956
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION VIII STIMULUS GENERALIZATION AS A FUNCTION OF DRIVE SHIFT APR 1962
BY ZAJONC R A — DDC NR, — CONTRACT NR, AF 49(638)-367 — PROJ/TASK NR, 9778-01

AFOSR 2958
NY LEHIGH UNIV BE
THEORETICAL STUDIES CONNECTED WITH THE SOLID STATE
SCIENCE FINAL REPORT APR 1962
BY VANFLEET H B — DDC NR, 277218 — CONTRACT NR, AF 49(638)-617 — PROJ/TASK NR, 9783-37631
MARCHAL R L
HAAS F B
MISRA S

AFOSR 2959
CALIFORNIA UNIV OF LA JOLLA
DIFFICULTY IN THE METHOD OF GREEN-S FUNCTIONS FOR A MANY-BODY SYSTEM
PHYS REV LTRS 8 372 375 MAY 1962
BY BALIAN R — DDC NR, — CONTRACT NR, AF 49(638)-(638) — PROJ/TASK NR, 9761-37631
BOSARGE L M
WERTHAMER N R
SUPL H

AFOSR 2960
RUTGERS UNIV NEW BRUNSWICK N J
NUCLEAR SPIN-SPIN RELAXATION IN HYDROGEN GAS
CAN J PHY 40 382 1962
BY LIPSICAS M — DDC NR, — CONTRACT NR, AF 49(638)-755 — PROJ/TASK NR, 9760-37601
HARTLAND A
TORREY H C
RABB W V

AFOSR 2963
STANFORD UNIV CALIF
THE DECAY OF THE POSITIVE K MESON TO A POSITIVE PION AND ELECTRON AND A POSITRON JUN 1962
BY BAKER W — DDC NR, 277638 — CONTRACT NR, AF 49(638)-388 — PROJ/TASK NR, 9750-01
GASMON S L

AFOSR 2964
STANFORD UNIV CALIF
BOSON-LIKE BEHAVIOR OF PAIRS OF FERMIONS 1 JUN 1962
BY KATZ, A, — DDC NR, 277638 — CONTRACT NR, AF 49(638)-388 — PROJ/TASK NR, 9750-01
SCHIFF L I(PI)

AFOSR 2966
STANFORD UNIV CALIF
THE SYMMETRIZED MANY-CHANNEL RD 1 METHOD AND THE POLE APPROXIMATION APR 1962
BY MARTIN A W — DDC NR, 277637 — CONTRACT NR, AF 49(638)-388 — PROJ/TASK NR, 9750-01
SCHIFF, L I(PI)

AFOSR 2967
CORNELL UNIV, ITHACA, NY
HYDROGEN NEAR THE MOON, APR 1962
BY GOULD, R, J, — DDC NR, 276668 — CONTRACT NR, AF 49(638)-915 — PROJ/TASK NR, 9760-37650
GOLD T(PI)

AFOSR 2968
WASHINGTON UNIV ST LOUIS, MO
SPIN-SPIN INTERACTION IN DIMERS OF FREE RADICALS
MOL PHYS 5 537-538 SEP 1962
BY HIROTA, N. — DDC NR, 299926 — CONTRACT NR, AF 49(638)-464 — PROJ/TASK NR, 9751-02
WEISSMAN, S. I.
NORBERG R(PI)

AFOSR 2969
GEORGIA INST OF TECHNOLOGY ATLANTA
MECHANISM OF THE PHASE TRANSITION IN QUARTZ APR 1962
BY YOUNG R A — DDC NR, 276239 — CONTRACT NR, AF 49(638)-674 — CONTRACT NR, 9760-37601

AFOSR 2970
MELLON INST PITTSBURGH PA
SOLID STATE STUDIES OF THE NOBLE RARE GASES AND THEIR SOLID SOLUTIONS APR 1962 FINAL REPORT
BY KLUG H P — DDC NR, 279590 — CONTRACT NR, AF 49(638)-575 — PROJ/TASK NR, 9760-37601
SEARS D B

AFOSR 2971
CALIFORNIA UNIV OF LA JOLLA
NEW LAB FOR THE STUDY OF MATERIALS APR 1962 FINAL REPORT
BY MATTHIAS B T — DDC NR, 286856 — CONTRACT NR, AF 49(638)-1060 — PROJ/TASK NR, 9769-37691

AFOSR 2972
NORTH CAROLINA UNIV OF CHAPEL HILL
MAY 1962 QUANTIZATION OF FIELDS WITH INFINITE-DIMENSIONAL INVARIANCE GROUPS. III. GENERALIZED SCHWINGER-FEYNMAN THEORY
BY DEWITT, B. S. — DDC NR, 279778 — CONTRACT NR, AF AFOSR-61-72 — PROJ/TASK NR, 9776-02

AFOSR 2973
ILLINOIS UNIV OF URBANA
AN INVESTIGATION OF THE USE OF INTERNAL FRICTION TECHNIQUES IN THE STUDY OF DIFFUSION AND PHASE CHANGES IN METALS
APR 1962 FINAL REPORT
BY WERT C — DDC NR, 279712 — CONTRACT NR, AF 49(638)-672 — PROJ/TASK NR, 9760-37601

AFOSR 2976
FRANKLIN INST PHILADELPHIA PA
RESEARCH IN THE GENERAL FIELD OF STRUCTURE & DISLOCATION NETWORKS IN METALLIC CRYSTALS
1962 FINAL REPORT
BY DAMIANO V V — DDC NR, — CONTRACT NR, AF 49(638)-821 — PROJ/TASK NR, 9760-37601
TINT B S
HERMAN H

AFOSR 2979
WASHINGTON UNIV OF ST LOUIS, MO
ELECTRON TRANSFER BETWEEN TRIS-P-NITROPHENYLMETHYL RADICALS
TRIS-P-NITROPHENYLMETHIDE ION STUDIED BY ELECTRON SPIN RESONANCE TECHNIQUE
J AM CHEM SOC 84 4276-4276 NOV 1962
BY JOHNES, M. T. — DDC NR, 299024 — CONTRACT NR, AF 49(638)-464 — PROJ/TASK NR, 9751-02
WEISSMAN, S. I.
NORBERG R(PI)

AFOSR 2980
CALIFORNIA INST OF TECHNOLOGY PASADENA
ANALYSIS OF ERRORS IN THE ESTIMATION OF THE IMPULSIVE RESPONSE FEB 1962
BY MARTENSSON, H. — DDC NR, 278396 — CONTRACT NR, AF 49(638)-1069 — PROJ/TASK NR, 9751
PEDERSON R D(PI)
WHITCOMBE J(PI)

AFOSR 2978
CALIFORNIA INST OF TECHNOLOGY PASADENA
SIMILARITY PARAMETERS FOR REACTING, MULTI-COMPONENT GAS FLOWS WITH RADIATIVE ENERGY TRANSFER
BY PENNER, S. S. — DDC NR, 278279 — CONTRACT NR, AF 49(638)-986 — PROJ/TASK NR, 9761-02
THOMAS, M.
ADAMSON, G.

AFOSR 2979
WASHINGTON UNIV ST LOUIS, MO
SPIN DISTRIBUTION IN BENZYL RADICALS
J CHEM PHYS 37 1884-1885 OCT 1962
BY HIROTA, N. — DDC NR, 299927 — CONTRACT NR, AF 49(638)-464 — PROJ/TASK NR, 9751-02
NORBERG R(PI)
WEISSMAN S I(PI)

AFOSR 2980
ILLINOIS UNIV OF URBANA
THEORETICAL AND EXPERIMENTAL STUDY OF HIGH ENERGY BUNCHED ELECTRON BEAMS AND STUDIES IN QUANTUM AND SOLID STATE ELECTRONICS FINAL REPORT FEB 1962
BY COLEMAN, P. D. — DDC NR, 278842 — CONTRACT NR, AF 18(603)-62 — PROJ/TASK NR, 9760-37650

AFOSR 2981
ARIZONA UNIV OF TUCSON
TECHNIQUES FOR QUENCHING POINT DEFECTS IN METAL WIRES
BY FRERICK R W — DDC NR, 280122 — CONTRACT NR, AF 49(638)-790 — PROJ/TASK NR, 9760-37601
TOMIZUKA C T

AFOSR 2983
OHIO STATE UNIV COLUMBUS
INTERACTIONS BETWEEN ELECTROMAGNETIC RADIATION AND MATTER MAY 62 FINAL REPORT
BY BROWN, L. C. — DDC NR, 293205 — CONTRACT NR, AF 18(600)-772 — PROJ/TASK NR, 9760
GILLIAMS D(PI)

AFOSR 2984
STANFORD UNIV CALIF
MAGNETIC SUSCEPTIBILITIES AND EXCHANGE EFFECTS IN FOUR ORGANIC FREE RADICALS
J APPL PHYS 33 1392-1395 MAR 1962
BY PAKE, G. E. — DDC NR, — CONTRACT NR, AF 18(603)-191 — PROJ/TASK NR, 9751-07
BURGESS, J. M.
RHODES, R. S.
WARNER M(PI)
EDELSTEIN, A. S.

AFOSR 2985
NEW YORK UNIV NY
GAS DISCHARGE PHENOMENA FINAL REPORT JAN 1962
BY PEDERSON, B. — DDC NR, — CONTRACT NR, AF 18(600)-1701 — PROJ/TASK NR, 9767
FISHER L I(PI)

AFOSR 2988
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
THE EFFECTS OF ELECTRIC FIELDS ON THE FLOW OF LIQUID HELIUM MAY 1962
BY REISHARDT, W. J. — DDC NR, — CONTRACT NR, AF 49(638)-352 — PROJ/TASK NR, 9751-02
FAJANS, J.

AFOSR 2989
CORNELL UNIV ITHACA, N.Y.
THEORETICAL RESEARCH IN ASTROPHYSICS - FINAL REPORT, APR 62
BY GOLD, T — DDC NR, — CONTRACT NR, AF 49(638)-915 — PROJ/TASK NR, 9760-37650

AFOSR 2990
CORNELL UNIV ITHACA, NY
DUST, RADIATION PRESSURE AND STAR FORMATION
ASTROPHYS J 136 817-841 NOV 1962
BY HARWIT, M. — DDC NR, 276669 — CONTRACT NR, AF 49,638-692 — PROJ/TASK NR, 9760-37650
GOLD T(PI)

AFOSR 259
MICHIGAN, UNIV OF ANN ARBOR
AN AUTOMATIC SPEECH FORMANT TRACKING FILTER MAY 1962
BY HELLWARTH G. A. — DDC NR, 282167 — CONTRACT NR, 49(638)-402 — PROJ/TASK NR, 9769-37859
PETERSON G E (P.I.)

AFOSR 2992
TECHNICAL OPERATIONS, INC., BURLINGTON, MASS.
DATA PROCESSING REQUIREMENTS OF VELA UNIFORM
TASKS I, IV, FINAL REPORT, MAY 62
BY SCHMELZEKEYS D — DDC NR, 286633 — CONTRACT NR, AF 49(638)-1100 — PROJ/TASK NR, 8652-02
FAIR C

AFOSR 2593
THOMPSON RAMO WOOLDRIDGE, INC., CANOGA PARK, CALIF.
THE IMPACT OF LANGUAGE DATA PROCESSING
ON LINGUISTIC ANALYSIS, MAY 1962
BY GARVIN P L — DDC NO. 276601 — CONTRACT NO. AF 49(638)-1128 — PROJ/TASK NO. 9769-37659

AFOSR 2594
PENNSYLVANIA, UNIV OF PHILADELPHIA,
PROCESSORS FOR INFINITY CODES OF THE
SHANNON-FANO TYPE, APR 1962
SYM MATH THEORY OF AUTOMATA, P 1 25 APR 1962
BY GORN S — DDC NO. 280679 — PROJ/TASK NO. AF 49(638)-951 — PROJ/TASK NO. 9769-37659

AFOSR 2596
MINNESOTA UNIV OF MINNEAPOLIS
POLAROGRAPHY OF MOLYBDENUM VI IN AQUEOUS SULFURIC ACID
SOLUTIONS
J ELECTROANAL CHEM 6 369 381 1963
BY KOLTHOFF I M — DDC NO. 295890 — CONTRACT NO. AF 49(638)-919 — PROJ/TASK NO. 9769-37630

AFOSR 2597
PRINCETON UNIV N J
PHOTOLYTIC DETERMINATION OF TRACE AMOUNTS OF ORGANIC
MATERIAL IN WATER
ANAL CHEM 33 1890 1892 DEC 1961
BY BRATTIN J — DDC NO.
GARVIN D — CONTRACT NO. AF 49(638)-667
BRICKER D — PROJ/TASK NO. 9769-37630

AFOSR 2604
WASHINGTON UNIV OF SEATTLE
THE THIRD AND FOURTH ORDER INTERACTIONS OF ARGON WITH A
GRAPHITIZED CARBON BLACK
J CHEM PHYS 36 1936 1939 MAR 1962
BY SAMS JR J R — DDC NO.
CONSTANARIS G — CONTRACT NO. AF 49(638)-7[illegible]
HALSEY JR G D — PROJ/TASK NO. 9761-37610

AFOSR 2607
SOUTHERN RSCH INST BIRMINGHAM ALA
A STUDY OF COMPLEX-ION EQUILIBRIA IN HIGH TEMPERATURE
AQUEOUS SOLUTIONS APR 1962 FINAL REPORT
BY DIMMERS F R — DDC NO. — CONTRACT NO. AF 49(638)-818 — PROJ/TASK NO. 9760-37600

AFOSR 2608
COLUMBIA UNIV N Y
OPTICAL PUMPING AND CHEMICAL REACTIONS 1962 FINAL REPORT
BY [illegible] — DDC NO. — CONTRACT NO. AF 49(638)-789 — PROJ/TASK NO. 9760-37600

AFOSR 2610
WESTINGHOUSE ELECTRIC CORP BALTIMORE MD
THREE DIMENSIONAL ORBITS WITH FIXED LOW THRUST
BY SHAPIRO G — DDC NO. 278606 — CONTRACT NO. AF 49(638)-1002 — PROJ/TASK NO.

AFOSR 2611
GENERAL ATOMIC, SAN DIEGO CALIF
REFLECTION AND DISSOCIATION OF H2 ON TUNGSTEN MAY 1962
BY SMITH, JR J R — DDC NO. 278649 — CONTRACT NO. AF 49(638)-956 — PROJ/TASK NO. 9769-37730
FITE W

AFOSR 2617
GENERAL APPLIED SCI LABORATORIES, INC, WESTBURY, LI, NY
LINEARIZED FREE-MIXING WITH PRESSURE GRADIENT APR 1962
BY STEIGER, W. M. — DDC NO.
BLOOM, M. H. — CONTRACT NO. AF 49(638)-991
PERRI A(PI) — PROJ/TASK NO. 9761-37910

AFOSR 2614
POLYTECHNIC INST OF BROOKLYN N.Y.
COMBUSTION INSTABILITY NON-LINEAR ANALYSIS OF GASE
PROPAGATION IN A LIQUID PROPELLANT ROCKET MOTOR MAR 1962
BY BURSTEIN, S. Z. — DDC NO. 280970 — CONTRACT NO. AF 49(638)-165 — PROJ/TASK NO. 9761-01
AGOSTA, V. D.

AFOSR 2619
RUTGERS UNIV NEW BRUNSWICK, NJ
COOPERATIVE STORAGE WAREHOUSES MAY 1962
BY HARRAS H J — DDC NO. 279778 — CONTRACT NO. AF A [illegible]-[illegible] — PROJ/TASK NO. 9760-37659
SHAW R (P.I.)

AFOSR 2616
MARYLAND UNIV OF COLLEGE PARK
FUNDAMENTAL SOLUTIONS FOR A CLASS OF SINGULAR
EQUATIONS JUN 1962
BY BITRACHI B J — DDC NO. 279780 — CONTRACT NO. AF 49(638)-220 — PROJ/TASK NO. 9769-09
DIAZ J B

AFOSR 2617
FLORIDA STATE UNIV TALLAHASSEE
RESEARCH IN NUMERICAL ANALYSIS AND PARTIAL DIFFERENTIAL
EQUATIONS APR 1962 FINAL REPORT
BY MILES JR E P — DDC NO. 280992 — CONTRACT NO. AF-AFOSR-61-124 — PROJ/TASK NO. 9753-37529

AFOSR 2618
LIBRASCOPE GLENDALE, CALIF
AN ABSTRACT MACHINE BASED ON CLASSICAL ASSOCIATION
PSYCHOLOGY 1962
PROC SPRING JOINT COMPUTER CONF 1962,
AMER FED INFO PROC SOC SAN FRANCISCO, MAY 1962
PP 59-70
BY REISS R F — DDC NO. — CONTRACT NO. AF 49(638)-1039 — PROJ/TASK NO. 9769-37659

AFOSR 2619
MEDIZINERG UNIV GRAZ
TESTIERUNG ANTIRHEUMATISCHER STOFFE AUF DER BASIS IHRES
VERMUTLICHEN WIRKUNGSMECHANISMUS TESTS OF
ANTIRHEUMATIC SUBSTANCES ON THE BASIS OF THEIR PROBABLE
MECHANISM OF ACTION
ARZNEIM FORSCH 11 919 921 1961
BY [illegible] — CONTRACT NO. AF 61(514)-1000
ALEXANDER E — PROJ/TASK NO. 9777-37701

AFOSR 2620
LIEGE UNIV OF BELGIUM
THALAMIC RETICULAR SYSTEM AND CORTICAL AROUSAL
SCI 134 1691 1692 NOV 1961
BY SCHLAG J D — DDC NO.
CHAILLET, P — CONTRACT NO. AF 61(052)-62
MEDZIFF, J P — PROJ/TASK NO. 9777-37703

AFOSR 2621
UNIVERSITY COLLEGE NORTH STAFFORDSHIRE ENGLAND
CONTINUOUS AVERAGING SYSTEM USING MAGNETIC TAPE
PROC 3D INTL CONF ON MEDICAL ELECTRONICS LONDON
PP 99 102 1960
BY MACKAY D M — DDC NO.
JEFFREYS D A — CONTRACT NO. AF 61(052)-364 — PROJ/TASK NO. 9777-04

AFOSR 2622
UNIVERSITY COLLEGE GALWAY IRELAND
SPECTROPHOTOMETRIC STUDIES OF SOME RED ALGAL CONSTITUENTS
COLLOQUES INTERNATIONAUX DU CENTRE NATIONAL
DE LA RECH SCI NO 101 1961 121 134
BY [illegible] — DDC NO. — CONTRACT NO. AF 61(052)-400 — PROJ/TASK NO. 9777-09

AFOSR 2629
COMMUNICATION RSCH INST MIAMI FLA
INTERSPECIES COMMUNICATION
AFOSR-[illegible] WRAIR OF SCIENCE & TECHNOLOGY
PP 299-306 1962
BY LILLY J C — DDC NO. — CONTRACT NO. AF-AFOSR-61-62 — PROJ/TASK NO. 9777

AFOSR 2634
COMMUNICATION RSCH INST MIAMI FLA
OPERANT CONDITIONING OF THE BOTTLENOSE DOLPHIN WITH
ELECTRICAL STIMULATION OF THE BRAIN
J EXP CONN & PHYSIOL PSYCH 54 78 79 1961
BY LILLY J C — DDC NO. — CONTRACT NO. AF-AFOSR-61-62 — PROJ/TASK NO. 9777-37709
MILLER A M

AFOSR 2635
OXFORD UNIV OF ENGLAND
THE METABOLISM OF C2 COMPOUNDS IN MICRO-ORGANISMS 8
A DICARBOXYLIC ACID CYCLE AS A ROUTE FOR THE OXIDATION OF
ACETOLLATE BY ESCHERICHIA COLI
BIOCHEM J 82 369 377 1961
BY [illegible] — DDC NO. — CONTRACT NO. AF 61(052)-100 — PROJ/TASK NO. 9777-09
SADLER J A
KORNBERG H A

AFOSR 2636
OXFORD UNIV ENGLAND
MICROBIAL GROWTH ON C1
MICROBIAL GROWTH ON C1 COMPOUNDS 2 SYNTHESIS OF
CELL CONSTITUENTS BY METHANOL-AND FORMATE-GROWN
PSEUDOMONAS AM 1 AND METHANOL-GROWN HYPHOMICROBIUM VULGARE
BIOCHEM J 81 470 480 1961
BY LARGE P J — DDC NO. — CONTRACT NO. AF 61(052)-106 — PROJ/TASK NO. 9777-09
PEEL D
QUAYLE J R
KORNBERG H A

AFOSR 2637
OXFORD UNIV ENGLAND
MICROBIAL GROWTH ON C1 COMPOUNDS 1 ISOLATION AND
CHARACTERIZATION PSEUDOMONAS AM 1
BIOCHEM J 81 469 480 1961
BY PEEL D — DDC NO. — CONTRACT NO. AF 61(052)-106 — PROJ/TASK NO. 9777-09
QUAYLE J R
KORNBERG H A

AFOSR 2639
MICHIGAN UNIV OF ANN ARBOR
AN INFORMATIONAL APPROACH TO THINKING APR 1962
BY [illegible] — DDC NO. 278136 — CONTRACT NO. AF 49(638)-440 — PROJ/TASK NO. 9750-01
PITTS P M

AFOSR 2630
CATHOLIC UNIV OF AMERICA, WASH DC
COUPLED CLUSTER INTEGRALS FOR AN AUGMENTED GAUSSIAN GAS
J CHEM PHYS 36 751-756 FEB 1962
BY TAKAHASI, Y. — DDC NO.
MIJAGI, O. M. E. — CONTRACT NO. AF 49(638)-652 — PROJ/TASK NO. 9761-01
POE, A. M.

AFOSR 2637
MARYLAND UNIV OF COLLEGE PARK
A MODEL OF THE PIONIC DECAYS OF HYPERONS APR 1962
BY [illegible] — DDC NO. 278107 — CONTRACT NO. AF 49(638)-26 — PROJ/TASK NO. 9761-09
TOLL J S(PI)

AFOSR 2638
STANFORD UNIV CALIF
NONLINEAR OPTICAL EFFECTS AN OPTICAL POWER LIMITER
APPL OPTICS 1 799-766 NOV 1962
BY SIEGMAN, A. E. — DDC NO. 287683 — CONTRACT NO. AF 49(638)-660 — PROJ/TASK NO. 9760-37650
[illegible]

AFOSR 2639
HARVARD UNIV CAMBRIDGE, MASS
EXTERIOR ALGEBRA AND THE ACTION PRINCIPLE, I
PROC NAS 48 603-611 APR 1962
BY SCHWINGER, J. DDC NR.
GLANBER R J<PI> CONTRACT NR. AF 49(638)-589
PROJ/TASK NR. 9750-01

AFOSR 2640
STANFORD UNIV, CALIF
UNITARITY AND HIGH ENERGY INELASTIC SCATTERING APR 1962
PHYS REV 128 415-420 OCT 1962
BY BAKER, M. DDC NR. 277639
BLANKENBECLER, R. CONTRACT NR. AF 49(638)-388
SCHIFF L I<PI> PROJ/TASK NR. 9750-01

AFOSR 2641
ARMOUR RSCH FOUND CHICAGO ILL
FEASIBILITY OF NEUTRON DIFFRACTION STUDIES IN HIGH PRESSURE
MAY 1962 FINAL REPORT
BY WOLFE G M DDC NR. 277846
REIFFEL L CONTRACT NR. AF 49(638)-1010
PROJ/TASK NR. 9763-37631

AFOSR 2642
OKLAHOMA STATE UNIV STILLWATER
INVESTIGATION OF SEMICONDUCTING PROPERTIES OF TYPE IIB
DIAMONDS MAY 1962 FINAL REPORT
BY LEIVO W J DDC NR. 277416
CONTRACT NR. AF 18(603)-40
PROJ/TASK NR. 9763-37631

AFOSR 2643
BROWN UNIV PROVIDENCE R I
SOME ASPECTS OF GRAIN BOUNDARY MIGRATION IN PLASTICALLY
DEFORMED SINGLE CRYSTALS MAY 1962 FINAL REPORT
BY BASU B K DDC NR. 286320
ELBAUM C CONTRACT NR. AF 49(638)-479
PROJ/TASK NR. 9760-37601

AFOSR 2644
NORTH CAROLINA UNIV OF CHAPEL HILL
STUDIES OF POINT DEFECTS IN SILVER CHLORIDR MAY 1962
BY LAYER H DDC NR. 289109
SLIFKIN L CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9760-37601

AFOSR 2645
PENNSYLVANIA UNIV OF PHILADELPHIA
THE STRUCTURE OF NBAS AND OF SIMILAR MONOPHOSPHIDES
AND ARSENIDES OF NIOBIUM AND TANTALUM SEP 1962
BY BOLLER H DDC NR. 284060
PARTHE E CONTRACT NR. AF 49(638)-1027
PROJ/TASK NR. 9763-37631

AFOSR 2646
PENNSYLVANIA UNIV OF PHILADELPHIA
ON THE FORMATION OF D88 PHASES BETWEEN IV GROUP TRANSITION
METALS AND ALUMINUM GALLIUM INDIUM AND ANTIMONY SEP 1962
BY BOLLER H DDC NR. 284057
PARTHE E CONTRACT NR. AF 49(638)-1027
PROJ/TASK NR. 9763-37631

AFOSR 2647
PENNSYLVANIA UNIV OF PHILADELPHIA
ON THE POSSIBILITY OF FORMING PSEUDO SILICIDES SEP 1962
BY BOLLER H DDC NR. 284058
PARTHE E CONTRACT NR. AF 49(638)-1027
PROJ/TASK NR. 9763-37631

AFOSR 2648
MINNEAPOLIS-HONEYWELL REGULATOR CO HOPKINS MINN
THE OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTAL
TELLURIUM MAY 1962 FINAL REPORT
BY NUSSBAUM A DDC NR. 281927
CONTRACT NR. AF 49(638)-908
PROJ/TASK NR. 9760-37601

AFOSR 2649
WESTINGHOUSE RSCH LABORATORIES ELEC CORP PITTSBURGH PA
SOME REMARKS ON GRAIN BOUNDARY MIGRATION APR 1962
BY BOLLING G F DDC NR.
TILLER W A CONTRACT NR. AF 49(638)-1029
PROJ/TASK NR. 9762-37621

AFOSR 2650
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
SOLUTE SEGREGATION DURING CELLULAR SOLIDIFICATION DEC 1961
BY KRAMER J J DDC NR.
BOLLING G F CONTRACT NR. AF 49(638)-1029
TILLER W A PROJ/TASK NR. 9762-37621

AFOSR 2652
POLYTECHNIC INST OF BROOKLYN, NY
CARRIER MULTIPLICATION IN GE AT X-BAND FEB 1962
BY FREEDMAN, S. DDC NR. 288994
WEBER E<PI> CONTRACT NR. AF 18(600)-1505
MARCUWITZ N<PI> PROJ/TASK NR. 4751
TRUXAL J G

AFOSR 2653
STANFORD UNIV CALIF
THE MAGNETOSPHERE DURING MAGNETIC STORMS A WHISTLER
ANALYSIS, JUN 1962
BY CARPENTER, D. L. DDC NR. 281837
HELLIWELL R A<PI> CONTRACT NR. AF 18(603)-126
PROJ/TASK NR. 9768-37650

AFOSR 2654
POLYTECHNIC INST OF BROOKLYN, NY
THE THEORY AND DESIGN OF F, M, RECEIVERS MAY 1962
BY HESS, D. DDC NR. 282110
WEBER E<PI> CONTRACT NR. AF 18(600)-1505
MARCUWITZ N<PI> PROJ/TASK NR. 4751
TRUXAL J G<PI>

AFOSR 2655
POLYTECHNIC INST OF BROOKLYN NY
APPLICATION OF PONTRYAGIN-S MAXIMUM PRINCIPLE .* LINEAR
CONTROL SYSTEMS, JUN 1962
BY COLLINA, G. G. DDC NR. 282333
DORATO, P. CONTRACT NR. AF 18(603)-105
TRUXAL J G<PI> PROJ/TASK NR. 9768-37650

AFOSR 2656
ROCHESTER UNIV OF NY
THEORETICAL STUDIES OF EFFECTS OF COHERENCE IN
ELECTROMAGNETIC FINAL REPORT MAY 1962
BY WOLF, E. DDC NR. 278260
HOPKINS R E<PI> CONTRACT NR. AF 49(638)-602
PROJ/TASK NR. 9768-37650

AFOSR 2657
POLYTECHNIC INST OF BROOKLYN, NY
A HOMOGENEOUS NETWORK APPROACH TO SELF-STRUCTURING SYSTEMS
JUN 62
BY FELDMAN, R. J. DDC NR. 282031
WEBER E<PI> CONTRACT NR. AF 18(600)-1505
MARCUWITZ N<PI> PROJ/TASK NR. 4751

TRUXAL J G<PI>

AFOSR 2658
CALIFORNIA UNIV OF BERKELEY
AN ELECTRON STREAM INSTABILITY MAR 1962
BY BRIDGES, W. B. DDC NR. 284291
BIRDSALL, C. K. CONTRACT NR. AF 49(638)-102
WHINNERY J R<PI> PROJ/TASK NR. 9768-37650

AFOSR 2661
JOHNS HOPKINS UNIV, BALTIMORE, MD
JUN 1962 INVESTIGATION OF NEW PARTICLES AND THEIR
INTERACTIONS WITH NUCLEONS
BY PENSNER A<PI> DDC NR. 277922
CONTRACT NR. AF 18(603)-143
PROJ/TASK NR. 9750-01

AFOSR 2662
WASHINGTON UNIV ST LOUIS MO
THE STATISTICAL THEORY OF CONDENSATION JUL 1962
BY CHING-TANG CHEN-TSAI DDC NR. 278248
FEENBERG E CONTRACT NR. AF 49(638)-834
CONDON E W PROJ/TASK NR. 9751-37512

AFOSR 2663
ARMOUR RSCH FOUND CHICAGO ILL
ORGANIC SEMICONDUCTORS MAR 1962 FINAL REPORT
BY SOSNOVSKY C H DDC NR. 278123
LASKOWSKI D E CONTRACT NR. AF 49(638)-576
PROJ/TASK NR. 9762-37621

AFOSR 2664
NORTH CAROLINA UNIV OF CHAPEL HILL
POINT DEFECTS AND DISLOCATIONS IN SILVER CHLORIDE JUN 1962
BY KABLER MN DDC NR. 276839
LAYER H CONTRACT NR. AF 49(638)-865
MILLER M G PROJ/TASK NR. 9760-37601
SLIFKIN L M

AFOSR 2665
ILLINOIS UNIV OF URBANA
TABLES OF THE TRANSVERSE MAGNETIC COEFFICIENTS K Y AND L Y
APR 1962
BY GRAY P V DDC NR. 277073
BARDEEN J CONTRACT NR. AF 49(638)-417
PROJ/TASK NR. 9763-37631

AFOSR 2667
TECHNISCHE HOCHSCHULE VIENNA AUSTRIA
CONDUCT THEORETICAL AND EXPERIMENTAL INVESTIGATIONS ON THE
AERODYNAMICS OF THE MIXING OF COOLING AIR WITH COMBUSTION
PRODUCTS IN A COMBUSTION CHAMBE INVESTIGATION OF THE
DIFFERENCE BETWEEN THE ISOLATED AND UNISOLATED COM
FEB 1962 FINAL REPORT
BY ROGNER W DDC NR. 275845
CONTRACT NR. AF 61(052)-569
PROJ/TASK NR.

AFOSR 2668
FREE UNIV OF BELGIUM
ROLE OF SULFHYDRYL AND DISULFIDE GROUPS APR 1962
FINAL REPORT
BY BRACHET J DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-03

AFOSR 2669
UPPSALA UNIV OF SWEDEN
A SYSTEM FOR AUTOMATIC DENSITOMETRY FOR THE MEASURING AND
CALCULATION OF RADIATION DOSE DISTRIBUTIONS FEB 1962
BY KARLSSON R G DDC NR. 276062
LARSSON B CONTRACT NR. AF 61(052)-109
SVEDBERG T PROJ/TASK NR. 9777-01

AFOSR 2670
UPPSALA UNIV OF SWEDEN
INFLUENCE OF LOCAL TEMPERATURE CHANGES IN THE PREOPTIC AREA
AND ROSTRAL HYPOTHALAMUS ON THE REGULATION OF FOOD AND WATER
INTAKE FEB 1962
BY ANDERSSON B DDC NR.
LARSSON B CONTRACT NR. AF 61(052)-103
SVEDBERG T PROJ/TASK NR. 9777-01

AFOSR 2672
GOTEBORG UNIV OF SWEDEN
INTRANEURONAL MECHANISMS FOR INFORMATION STORAGE
THE BIOCHEMICAL RELATIONSHIP BETWEEN NEURON AND GLIA
APR 1962
BY HYDEN H DDC NR. 276234
CONTRACT NR. AF 61(052)-248
PROJ/TASK NR. 9777-04

AFOSR 2674
MARYLAND UNIV, COLLEGE PARK
SOME CONSIDERATIONS ON RADIATION MAGNETOGASDYNAMICS APR 1962
BY PAI S. I. DDC NR. 276135
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 2677
OREGON STATE COLLEGE CORVALLIS
EFFECT OF TEMPERATURE ON THE STRUCTURE OF GASEOUS MOLECULES
MOLECULAR STRUCTURE OF PCl3 AT 350 AND 500 K
J CHEM PHYS 36 589 594 FEB 1962
BY TWASAKI M DDC NR.
HEDBERG K W CONTRACT NR. AF 49(638)-783
PROJ/TASK NR. 9760-37600

AFOSR 2678
OREGON STATE COLLEGE CORVALLIS
POTENTIAL CONSTANTS OF PCl3 FROM AMPLITUDES OF
VIBRATION AND NORMAL VIBRATION FREQUENCIES
J CHEM PHYS 36 594 598 FEB 1962
BY TWASAKI M DDC NR.
HEDBERG K W CONTRACT NR. AF 49(638)-783
PROJ/TASK NR. 9760-37600

AFOSR 2682
THEORY OF ION FLOW DYNAMICS PRENTICE-HALL INC INGLEWOOD
CLIFFS N J 1962
BY SAMARAS D G DDC NR.
CONTRACT NR.
PROJ/TASK NR.

AFOSR 2683
UNIVERSITY COLLEGE CORK IRELAND
THE LAMBDA METHOD FOR AEOLOTROPIC RECTANGULAR AND
SKEW PLATES APR 1962
BY QUINLAN P M DDC NR. 275841
CONTRACT NR. AF EOAR 61-4
PROJ/TASK NR. 9752-37522

AFOSR 2684
INST MAREY PARIS FRANCE
ACTION SUPPRESSIVE DU NOYAU CAUDE SUR LA REACTIVITE
REFLEXE DU SYSTEME PYRAMIDAL CHEZ LE CHAT
NEUROPHYSIOLOGIE
COMPTES RENDUS 253 538 540 JUL 1961
BY BUSER P DDC NR.
ENCABO H CONTRACT NR. AF 61(052)-103
BORENSTEIN P PROJ/TASK NR. 9777-37700
PAILLARD J

AFOSR 2685
INST MAREY PARIS FRANCE
CONTROLE CORTICIFUGE DES PROJECTIONS VISUELLES VERS LE
CORTEX ASSOCIATIF ET MOTEUR
J DE PHYSIOL 53 284-285 1961
BY BRUNER J DDC NR.
BUSER P CONTRACT NR. AF 61(052)-103
SINDBERG R PROJ/TASK NR. 9777-37700
ALBE-FESSARD D(PI)

AFOSR 2686
INST MAREY PARIS FRANCE
OBSERVATIONS RELATIVES AUX PROJECTIONS DU NEOCORTEX VERS LE
NOYAU CAUDE
J DE PHYSIOL 53 434-435 1961
BY ENCABO H DDC NR.
BORENSTEIN P CONTRACT NR. AF 61(052)-103
BUSER P PROJ/TASK NR. 9777-37700
ALBE-FESSARD D(PI)

AFOSR 2687
INST MAREY PARIS FRANCE
ROLE DES AIRES CORTICALES SOMATIQUES DANS LE CONTROLE DE
CERTAINES DECHARGES MOTRICES SOMESTHESIQUES
J DE PHYSIOL 53 254-255 1961
BY ASCHER P DDC NR.
JASSIK-GERSCHENFELD CONTRACT NR. AF 61.0528-103
PANJUL-MOLES M L PROJ/TASK NR. 9777-37700
ALBE-FESSARD D(PI)

AFOSR 2688
UNIVERSITY COLLEGE CORK IRELAND
A SURVEY OF SOME NUMERICAL WEATHER PREDICTION METHODS DEC
1961
BY KELLY G V DDC NR. 289477
QUINLAN P M(P.I.) CONTRACT NR. AF EOAR 61-4
PROJ/TASK NR. 9752-37522

AFOSR 2689
UNIVERISTY COLLEGE CORK IRELAND
AN AXIALLY-SYMMETRIC AEOLOTROPIC MEDIUM MAR 1962
BY QUINLAN P M DDC NR. 275842
CONTRACT NR. AF EOAR-61-4
PROJ/TASK NR. 9752-37522

AFOSR 2690
FREE UNIV OF BRUSSELS, BELGIUM
1962 STATISTICAL MECHANICS OF NON-EQUILIBRIUM PROCESSES,
FINAL REPORT
BY PRIGOGINE, I. DDC NR. 289161
CONTRACT NR. AF 61(052)-179
PROJ/TASK NR. 9751-37511

AFOSR 2691
VIENNA UNIV AUSTRIA
ELASTIC PROTON-PROTON SCATTERING AT HIGH ENERGIES APR 1962
BY CZAPEK G DDC NR. 280986
KELLNER G CONTRACT NR. AF 61(052)-433
OTTER G PROJ/TASK NR. 9751-37512
THIRRING W E(P.I.)

AFOSR 2692
UNIVERISTY COLLEGE LONDON ENGLAND
SINGULARITIES IN PARTIAL-WAVE AMPLITUDES FOR TWO INGOING AN
OUTGOING PARTICLES DEC 1961
PHYS REV 125 1596-1602 MAY 1962
BY KENNEDY J DDC NR. 289145
SPEARMAN T D CONTRACT NR. AF 61(052)-468
HAMILTON J(P.I.) PROJ/TASK NR. 9750-37500

AFOSR 2693
VIENNA UNIV AUSTRIA
TWO-PION FORCE AND THREE-PION SYSTEM JAN 1962
BY EDER G DDC NR. 280985
THIRRING W E(P.I.) CONTRACT NR. AF 61(052)-265
PROJ/TASK NR. 9751-37512

AFOSR 2694
OXFORD UNIV, ENGLAND
1962 SELF CONSISTENT COMPUTATION OF AN RF CONFINED PLASMA
CONFIGURATION
BY MOTZ, H. DDC NR. 289196
CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9768-37650

AFOSR 2695
OXFORD UNIV ENGLAND
1962 FREQUENCY DOUBLING WITH FERRITES
BY GASKELL, C. X. DDC NR. 289197
MOTZ H(PI) CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9768-37650

AFOSR 2696
OXFORD UNIV, ENGLAND
MAR 1962 RESEARCH ON THE GENERATION AND APPLICATION OF
SUB-MILLIMETRE ELECTROMAGNETIC RADIATION FINAL REPROT
BY MOTZ, H. DDC NR. 280984
CONTRACT NR. AF 61(514)-1183
PROJ/TASK NR. 9768-37650

AFOSR 2697
WEIZMANN INST OF SCI REHOVOTH ISRAEL
UNITARY SYMMETRY AND NUCLEON-ANTINUCLEON ANNIHILATION MAR
1962
BY LEVINSON C A DDC NR. 280983
KIPKIN H J CONTRACT NR. AF 61(052)-337
MESHKOV S PROJ/TASK NR. 9750-37500
DE SHALIT A(P.I.)

AFOSR 2698
HEBREW UNIV JERUSALEM, ISRAEL
DEC 1961 COMMON SECANTS FOR FAMILIES OF POLYHEDRA
BY GRUNBAUM, B. DDC NR. 280981
AGMON, S.(P.I.) CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-03

AFOSR 2699
HEBREW UNIV, JERUSALEM, ISRAEL
BY JAN 1962 ON A PAPER ODDC NR.
BY FOGUEL, S. R. DDC NR. 280982
AGMON, S. (P.I.) CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-03

AFOSR 2700
HEBREW UNIV JERUSALEM, ISRAEL
FEB 1962 CHARACTERISATION OF C< >' FEB 1962
BY KATZNELSON, Y. DDC NR. 280980
AGMON, S.(P.I.) CONTRACT NR. AF 61(052)-187
PROJ/TASK NR. 9752-03

AFOSR 2701
PARIS UNIV OF FRANCE
MAR 1962 ON THE RELATIVISTIC DEGENERATED ELECTRON GAS
SUB IINOVOVO COMENTO
BY JANCOVICI B DDC NR. 275844
LEVY M(PI) CONTRACT NR. AF EOAR-61-10
PROJ/TASK NR. 9750-9750-01

AFOSR 2702
CAMBRIDGE LANGUAGE RSCH UNIT, KINGS COLLEGE ENGLAND
FEB 1962 A THEORY OF THE ORIGIN OF MASS WITHIN A CONTROL
MODEL OF THE ELEMENTARY PARTICLES
BY BASTIN E W DDC NR. 275843
WOODSIDE A CONTRACT NR. AF 61(052)-331
PROJ/TASK NR.

AFOSR 2703
NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN
APR 1962 DETERMINATION OF THE MAGNETIC MOMENT OF THE
FIRST EXICITED STATE IN SC 44
BY BERGSTROM, I. DDC NR. 280977
THIEBERGER, P. CONTRACT NR. AF 61(052)-118
ASTROM, B.(P.I.) PROJ/TASK NR. 9750-37500

AFOSR 2704
LIEGE UNIV, BELGIUM
MAR 1962 RESEARCH IN HYPERBOLIC DIFFERENTIAL EQUATIONS,
FINAL REPORT
BY BUREAU, F. J. DDC NR. 280978
CONTRACT NR. AF 61(052)-86
PROJ/TASK NR. 9769-37658

AFOSR 2705
LUND, UNIV OF SWEDEN
APR 1962 ELECTRONIC ABSORPTION SPECTRA OF UNCONJUGATED
ALKYL THIALS AND THIONES
BY ROSENGREN, K. DDC NR. 280979
SUNNER, S.(P.I.) CONTRACT NR. AF 61(052)-46
PROJ/TASK NR. 9750-37501

AFOSR 2709
HUMAN SCIENCES RSCH INC ARLINGTON VA
A SUMMARY OF SMALL GROUP RESEARCH STUDIES JUN 1962
BY MCGRATH J E DDC NR. 276860
CONTRACT NR. AF 49(638)-256
PROJ/TASK NR. 9778-9778-02

AFOSR 2710
WESTERN RESERVE UNIV, CLEVELAND, O
THEORY OF DOCUMENTATION AND SEARCHING STRATEGY,
FINAL REPORT, JUN 1962
BY GOFFMAN W (P.I.) DDC NR. 278551
CONTRACT NR. AF 49(638)-357
PROJ/TASK NR. 9769-37659

AFOSR 2714
CORNELL UNIV ITHACA, NY
SOME ASPECTS OF MAGNETOHYDRODYNAMIC
FLOW ABOUT A BLUNT BODY JUN 1962
BY LEONARD B. P. DDC NR. 281879
SEARS W R <P.I.> CONTRACT NR. AF 49(638)-566
[illegible]

AFOSR 2715
CORNELL UNIV ITHACA, NY
THE THEORY OF ALIGNED FIELDS MAGNETOGASDYNAMIC FLOWS
BY SEEBASS DDC NR. 281880
SEARS W R <P.I.> CONTRACT NR. AF 49(638)-566
PROJ/TASK NR. 9781-01

AFOSR 2716
ABERDEEN UNIV OF SCOTLAND
CRYSTALLOGRAPHIC STUDY OF CA2 BASI3O9
ZEIT FUR KRISTALLOGRAPHIE 116 269-285 1961
BY GLASSER F P DDC NR.
GLASSER L S CONTRACT NR. AF 61(052)-276
TAYLOR H F W<P.I.> PROJ/TASK NR. 9760-97601

AFOSR 2717
PAVIA UNIV OF ITALY
EFFICIENCY OF THE VARLEY MECHANISM FOR VACANCY PRODUCTION
IN ALKALI HALIDES APR 1961
BY CHIANOTTI G DDC NR. 281994
NARDELLI G F CONTRACT NR. AF 61(052)-423
PROJ/TASK NR. 9760-97601

AFOSR 2718
STANFORD UNIV CALIF
ON THE DISTRIBUTION OF A ,,CLOSENESS,, CRITERION MAY 1962
BY CACOULLOS T DDC NR.
CONTRACT NR. NONR 225(52)
PROJ/TASK NR.

AFOSR 2719
STANFORD UNIV CALIF
AVERAGE RENEWAL LOSS RATES MAY 1962
BY JOHNS JR M V DDC NR.
MILLER JR R G CONTRACT NR. NONR 225(52)
PROJ/TASK NR.

AFOSR 2727
MARYLAND UNIV OF COLLEGE PARK
BOUNDS ON THE TRUCATION ERROR BY FINITE DIFFERENCES FOR THE
GOURSAT PROBLEM
BY AZIZ A K DDC NR. 289185
HUBBARD B E CONTRACT NR. AF 49(638)-228
DIAZ J B<P.I.> PROJ/TASK NR. 9783-09

AFOSR 2729
OHIO STATE UNIV COLUMBUS
SYNTHESIS AND REACTIONS OF 6-TRICHLOROMETHYL-2,4, 5-
TRIAMINO-2,5-CYCLOHEXADIENONE
JACS 84 995-997 MAR 1962
BY [illegible] DDC NR.
CONTRACT NR. AF 49(638)-[illegible]
PROJ/TASK NR. [illegible]

AFOSR 2730
[illegible]
CHAIN MODEL FOR POLYELECTROLYTES VII. POTENTIOMETRIC
TITRATION AND ION BINDING IN SOLUTIONS OF LINEAR
POLYELECTROLYTES
J CHEM PHYS 36 873-879 FEB 1962
BY KOTIN L DDC NR.
NAGASAWA M CONTRACT NR. AF 49(638)-696
PROJ/TASK NR. 9760-97600

AFOSR 2734
DURF UNIV DURHAM NO CAR
BOUSSINESQ-S PROBLEM FOR A HEATED PUNCH II. SOLUTION FOR A
CYLINDRICAL PUNCH III. SOLUTION FOR A CONICAL PUNCH SEP 61
BY GEORGE D L DDC NR. 278567
SNEDDON I N CONTRACT NR. AF 49(638)-892
GEORGE J <P.I.> PROJ/TASK NR. 9760-97650

AFOSR 2736
MASSACHUSETTS UNIV OF AMHERST
ON THE DYNAMIC LIGHT SCATTERING FROM POLYMER FILM DEC 1961
BY STEIN R S DDC NR.
CONTRACT NR. AF AFOSR-61-28
PROJ/TASK NR. 9760-97600

AFOSR 2741
UNIVERSIDAD DE LA REPUBLICA URUGUAY
A SIMPLE METHOD FOR MAGNETIC TAPE RECORDING OF BOLECTRIC
POTENTIALS
ELECTROENCEPH CHIN NEUROPHYSIOL 13 800-802 1961
BY MARCOLED P DDC NR.
GARCIA-AUSTT P CONTRACT NR. AF-AFOSR-60-16
ABARD-IRIGUEZ R<P.I. PROJ/TASK NR. 9777-01

AFOSR 2746
STOCKHOLM UNIV OF SWEDEN
A COMPARISON OF THE METHOD OF RATIO ESTIMATION AND THE
METHOD OF MAGNITUDE ESTIMATION JAN 1962
BY MASHOUD M DDC NR. 281220
EKMAN G<P.I.> CONTRACT NR. AF 61(052)-300
PROJ/TASK NR. 9778-09

AFOSR 2749
MICHIGAN UNIV OF ANN ARBOR
STUDIES IN SELECTION LEARNING V FACILITATION AND INHIBITION
IN SELECTION LEARNING MAY 1962
BY SARABERICE S A DDC NR.
ZAJAC B <P.I.> CONTRACT NR. AF 49(638)-367
PROJ/TASK NR. 9778-01

AFOSR 2760
GENERAL ELECTRIC, CO PHILADELPHIA, PA
1962 HIGH ALTITUDE SHOCK WAVE STRUCTURE. I.
THEORETICAL. II. PAPER'MENTAL
<REIMPRINTED AFOSR 1696> FINAL REPORT
BY SCALA, S M DDC NR. 289619
TALBOT, L CONTRACT NR. AF 49(638)-991
CARY B B PROJ/TASK NR. 9781-97713

AFOSR 2769
ROME UNIV OF ITALY
JAN 1962 SUMMARY REPROT OF SOME RESULTS ON RE-ENTRY PROBLEM
BY BORGNIS, L. DDC NR. 281211
CONTRACT NR. AF 61(052)-198
PROJ/TASK NR. 9761-97118

AFOSR 2776
AEROJET MANUFACTURING CORP, BALTIMORE, MD
ASPECTS OF GENERAL CONTROL THEORY - FINAL REPORT AUG 1962
BY BASS, R. W. DDC NR. 289686
MENDELSON, P. CONTRACT NR. AF 49(638)-1001
PROJ/TASK NR. 9760-97650

AFOSR 2795
STEVENS INST OF TECHNOLOGY HOBOKEN, NJ
ELECTROHYDRODYNAMICS OF SUPERFLUID HELIUM IN NARROW CHANNEL
PHYS REV 128 499-502 OCT 1962
BY HELDHARDT, W. J. DDC NR.
FAJANS, J. CONTRACT NR. AF 49(638)-142
PROJ/TASK NR. 9781-02

AFOSR 2796
FLORIDA STATE UNIV TALLAHASSEE
LOW ENERGY <1-10 MEV> NUCLEAR PHYSICS WITH A TANDEM VAN DE
GRAAFF ACCELERATOR FINAL REPORT
BY TEMMER, G. M. DDC NR.
CONTRACT NR. AF 49(638)-427
PROJ/TASK NR. 9760-01

AFOSR 2799
MARYLAND UNIV COLLEGE PARK
JUN 1962 NORMALIZATION CONDITION FOR THE BETHE-SALPETER
WAVE FUNCTION AND A FORMAL SOLUTION TO THE BETHE-SALPETER
EQUATION
BY SATO, T DDC NR. 289676
TOLL, J. S.<P.I.> CONTRACT NR. AF 49(638)-76
PROJ/TASK NR. 9781-01

AFOSR 2780
WAYNE STATE UNIV DETROIT MICH
MAGNETOACOUSTIC MEASUREMENTS IN THE NOBLE METALS AT 350 MC
SEC.
PHYS REV 128 1021 1029 NOV 1962
BY BOHM H V DDC NR. 289928
EASTERLING V J CONTRACT NR. AF 49(638)-832
PROJ/TASK NR. 9760-97601

AFOSR 2763
MICHIGAN UNIV OF ANN ARBOR
KINETICS OF SINTERING OF RUTILE SINGLE CRYSTAL SPHERES JUL
1962
BY O-BRYAN JR, H M DDC NR. 282371
PARRAVANO G CONTRACT NR. AF 49(638)-491
PROJ/TASK NR. 9767-97621

AFOSR 2764
COLUMBIA UNIV NY
HYDROMAGNETIC KELVIN-HELMHOLTZ INSTABILITY SURFACE WAVES AND
GEOMAGNETIC MICROPULSATIONS FINAL REPORT JUN 1962
BY SEN, A. K. DDC NR. 283988
BUGROLO, D. S.<P.I.> CONTRACT NR. AF 49(638)-350
PROJ/TASK NR. 9760-97650

AFOSR 2767
CALIFORNIA UNIV OF BERKELEY
A SPIN-ECHO MEMORY FOR A CARRIER TYPE DIGITAL COMPUTER
AUG 1961
BY HARLASS, L. E. DDC NR. 286290
WHINNERY, J R <P.I.> CONTRACT NR. AF 49(638)-102
PROJ/TASK NR. 9768-97650

AFOSR 2768
COLORADO UNIV OF BOULDER
NUCLEAR RESONANCE OF AL IN SYNTHETIC RUBY FINAL REPROT
JAN 1962.
BY TARTTILA W M DDC NR. 278629
CONTRACT NR. AF 49(638)-6 1
PROJ/TASK NR. 9760-97601

AFOSR 2769
GEORGIA INST OF TECHNOLOGY ATLANTA
MASS SPECTROMETRIC STUDY OF ION-MOLECULE REACTIONS
OCCURRING AT THERMAL ENERGIES UNDER GAS KINETIC
CONDITIONS MAR 1962
BY MARTIN D. W. DDC NR. 278100
BARNES W. S. CONTRACT NR. AF 49(638)-1064
PROJ/TASK NR. 9767

AFOSR 2770
POLYTECHNIC INST OF BROOKLYN N Y
THE ANALYSIS AND SYNTHESIS OF BC SYNCHRONOUS
NETWORKS JUN 1962
BY TOBIN B. M. DDC NR. 290782
TRUXAL J G<PI> CONTRACT NR. AF 18(603)-109
PROJ/TASK NR. 9760-97650

AFOSR 2771
NEW HAMPSHIRE UNIV DURHAM
INTERACTION BETWEEN COLD PLASMAS AND GUIDED
ELECTROMAGNETIC WAVES II
BY HOWER L. DDC NR. 289998
BUCHSBAUM S. J. CONTRACT NR. AF 49(638)-687
PROJ/TASK NR. 9760-97650

AFOSR 2772
STANFORD UNIV CALIF
MODIFIED CW TECHNIQUE FOR SPIN-LATTICE RELAXATION
TIME MEASUREMENTS
REV SCI INSTR 33.9267-268.0 FEB 1962
BY HANDEL H. DDC NR.
CONTRACT NR. AF 18(603)-131
PROJ/TASK NR. 9791-02

AFOSR 2775
STANFORD UNIV CALIF
EVIDENCE FOR EXCHANGE-COUPLED LINEAR CHAINS
IN CU(NH3)4SO4.H2O
BY GRIFFITHS R. B. DDC NR. 283774
PAKE G E<PI> CONTRACT NR. AF 18(603)-131
PROJ/TASK NR. 9751-02

AFOSR 2777
FRANKLIN INST PHILASELPHIA PA
A STUDY OF THE PLASTIC DEFORMATION OF METALS BY THE
OBSERVATION OF SINGLE DISLOCATIONS. FINAL REPORT FEB 1962
BY WILSDORF H G F DDC NR. 278554
CONTRACT NR. AF 49(638)-162
PROJ/TASK NR. 9760-37601

AFOSR 2778
TECHNICAL RSCH GROUP INC SYOSSET NY
RESEARCH ON PROPERTIES OF LASER DEVICES 1JAN-30 JUNE 1962
VOLUMES I AND II-JUL 1962
BY DALY R DDC NR. 278053
GOULD L G CONTRACT NR. AF 49(638)-673
GROSOF G PROJ/TASK NR. 9768
HAMMOND B
JACOBS S
MARTIN R
NEWSTEIN M
RABINOWITZ R
SJOBLOM J
SOLIMENE N

AFOSR 2779
NEW YORK UNIV N Y
HYDROMAGNETIC TURBULENCE JUN 1962 FINAL REPORT
BY KLINE M. DDC NR. 289438
KRAICHNAN R. H. CONTRACT NR. AF 49(638)-341
PROJ/TASK NR. 9768-37650

AFOSR 2780
CALIFORNIA UNIV OF BERKELEY CALIF
THEORETICAL PHYSICS OF ELEMENTARY PARTICLES
MAY 1962 FINAL REPORT
BY KARPLUS R. DDC NR. 286724
CONTRACT NR. AF 49(638)-327
PROJ/TASK NR. 9750-37500

AFOSR 2781
INST FOR ADVANCED STUDY, PRINCETON, N J
ON THE SYMPLECTIC SYMMETRY
IINUOVO CIM SER X 20,*1228-1230,* JUN 1961
BY SALAM A. DDC NR.
WARD J. C. CONTRACT NR. AFOSR 61-19
OPPENHEIMER J R<PI> PROJ/TASK NR. 9751-03

AFOSR 2782
INST FOR ADVANCED STUDY, PRINCETON N J
L EULER, THE PRINCIPLE OF RELATIVITY AND THE
FUNDAMENTALS OF CLASSICAL MECHANICS
NATURE 190,*757-759,* MAY 1961
BY SPEISER D DDC NR.
OPPENHEIMER J R<PI> CONTRACT NR. AF AFOSR-61-19
PROJ/TASK NR. 9751-37512

AFOSR 2783
INST FOR ADVANCED STUDY, PRINCETON, N J
INELASTIC COLLISIONS AND THRESHOLD EFFECTS
II NUOVO CIM SERX,* 20,*116-145,* 1961
BY FONDA L. DDC NR.
OPPENHEIMER J R<PI> CONTRACT NR. AF AFOSR-61-19
PROJ/TASK NR. 9751-03

AFOSR 2784
INST FOR ADVARCED STUDY, PRINCETON N J
ISOSCALAR NUCLEON STRUCTURE
PHYS REV 125,*782-790,* JAN 1962
BY BLANKENBECLER, R. DDC NR.
JAN TARSKI CONTRACT NR. AF AFOSR-61-19
OPPENHEIMER J R<PI> PROJ/TASK NR. 9751-03

AFOSR 2785
UPPSALA UNIV OF SWEDEN
BORIDES OF RUTHENIUM OSMIUM AND IRIDIUM
NATURE 195 377-378 AUL 1962
BY ARONSSON B DDC NR. 281221
STENBERG E CONTRACT NR. AF 61(052)-40
ASELIUS J PROJ/TASK NR. 9762-37621
HAGG G<P.I.>

AFOSR 2787
MAGNETOHYDRODYNAMICS, PROCEEDINGS OF THE FOURTH
BIENNIAL GAS DYNAMICS SYMPOSIUM
NORTHWESTERN U PRESS, 1962
BY CAMBEL DDC NR.
ANDERSON T. P. CONTRACT NR.
SLAWSKY, M. M. PROJ/TASK NR.

AFOSR 2788
ILLINOIS UNIV OF URBANA
COMMENTS ON THE DILATION IN THE AUSTENITE-MARTENSITE CONTAC
INTERFACE
ACTA METALL 9 912-915 1961
BY WAYMAN C CM DDC NR.
READ T A<P.I.> CONTRACT NR. AF 49(638)-420
PROJ/TASK NR. 9760-02

AFOSR 2789
CORNELL UNIV, ITHACA, NY
MAR 1962 INVESTIGATION OF CONDENSATION PROCESSES
BEHIND NORMAL SHOCKS BY OPTICAL METHODS,FEASIBILITY ANALYSIS
BY TIMRAT T DDC NR. 276515
BAUER S H CONTRACT NR. AF 49(638)-716
RESLER E L <P.I.> PROJ/TASK NR.

AFOSR 2790
CORNELL UNIV, ITHACA, NY
APR 1962 MECHANISMS FOR VIBRATIONAL
RELAXATION AT HIGH TEMPERATURES
BY BAUER, S H DDC NR. 274467
TSANG S C CONTRACT NR. AF 49(638)-716
RESLER E L <P.I.> PROJ/TASK NR.

AFOSR 2791
YALE UNIV NEW HAVEN CONN
HYPERFINE STRUCTURE OF MONIUM
PHYS REV LTRS 8,*103-105,* FEB 1962
BY ZIOCK K. DDC NR.
HUGHES V. W. CONTRACT NR. AF 49(638)-545
PREPOST R. PROJ/TASK NR. 9767
BAILEY J.
CLELAND W.

AFOSR 2792
PISA UNIV OF ITALY
LINEARIZED SUPERSONIC FLOW OF AN AXISYMMETRIC JET IN A
SUPERSONIC STREAM MAR 1962
BY PISTOLESI E DDC NR. 276589
MARINI M CONTRACT NR. AF 61(052)-209
PROJ/TASK NR. 9781-37712

AFOSR 2793
RIAS INC BALTIMORE MD
STRUCTURAL STABILITY IN THE PLANE WITH BOUNDARY CONDITIONS
ANAIS DA ACAD BRASILEIRA DE CIENCIAS 31 135-160 1959
BY PEIXOTO M C DDC NR.
PEIXOTO M M CONTRACT NR. AF 49(638)-382
LEFSCHETZ S L(=(2(> PROJ/TASK NR. 9783-37726

AFOSR 2794
MINNESOTA UNIV OF MINNEAPOLIS
QUASI-CONFORMAL FUNCTIONS TENDING TO
CONFORMALITY AT THE BOUNDARY
BY STORVICK D. A. DDC NR.
CONTRACT NR. AF 49(638)-863
PROJ/TASK NR. 9752-37522

AFOSR 2795
MISSOURI UNIV OF COLUMBIA
ORBIT FAMILIES OF CONTINOUS FLOWS
BY FOLAND N. F. DDC NR.
UTZ W. R(CONTRACT NR. AF 49(638)-754
PROJ/TASK NR. 9769-37658

AFOSR 2796
MANITOBA UNIV OF WINNIPEG CANADA
ORTHOMORPHISMS OF GROUPS AND
ORTHOGONAL LATIN SQUARES. I
CAN J MATH 13,*356-372,* 1961
BY JOHNSON D. M. DDC NR.
DULMAGE A. L. CONTRACT NR. AF 49(638)-860
MENDELSOHN N. S. PROJ/TASK NR. 9752-37522

AFOSR 2797
MANITOBA U. CANADA
ON AN ALGORITHM OF G BIRKHOFF CONCERNING DOUBLY
STOCHASTIC MATRICES
CAN MATH BULL 0,*237-242,* SEP 1960
BY JOHNSON D. M. DDC NR.
DULMAGE A. L. CONTRACT NR. AF 49(638)-860
MENDELSOHN N. S. PROJ/TASK NR. 9752-37522

AFOSR 2798
MISSOURI UNIV OF COLUMBIA
THE NONEXISTENCE OF EXPANSIVE HOMEOMORPHISMS
ON A CLOSED 2-CELL
PAC J MATH 10,*1319-1321,* 1960
BY JAKOBSEN J. F. DDC NR.
UTZ W. R(CONTRACT NR. AF 18(600)-1108
PROJ/TASK NR. 9769-37658

AFOSR 2799
COLORADO UNIV OF, BOULDER
CERTAIN CONTINUED FRACTIONS ASSOCIATED WITH THE PADE TABLE
BY MAGNUS A DDC NR.
THRON W J <P.I.> CONTRACT NR. AF 49(638)-100
PROJ/TASK NR. 9752-37552

AFOSR 2800
UNIV MAYOR DE SAN ANDRES, LA PAZ, BOLIVIA
THE RECOVERY CHARACTERISTICS OF FORBUSH DECREASES AND
THE CONFIGURATION OF THE ASSOCIATED SOLAR EMISSION
J PHYS SOC OF JAPAN 17,*SUPPL A-II,*422-427,* 1962
BY ESCOBAR I DDC NR.
NERURKAR N. W. CONTRACT NR. AF 49(638)290
TRONCOSO O. PROJ/TASK NR. 9774-37665
ZUBIETA M.

AFOSR 2802
MINNESOTA UNIV OF MINNEAPOLIS
USE OF ELECTROSTATIC VARIATION PRINCIPLES IN MOLECUALR
ENERGY CALCULATIONS
J CHEM PHYS 37 1456-1460 6CT 1962
BY SCHRADER D M DDC NR. 278465
PRAGER S CONTRACT NR. AF 49(638)-720
PROJ/TASK NR. 9760-37600

AFOSR 2803
MINNESOTA UNIV OF MINNEAPOLIS
DIFFUSION AND VISCOUS FLOW IN CONCENTRATED SUSPENSIONS
JUN 1962
BY PRAGER S DDC NR. 278466
CONTRACT NR. AF 49(638)-720
PROJ/TASK NR. 9760-37600

AFOSR 2806
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
MEASUREMENTS OF HELICAL FLOW OF A STRONG ELECTROLYTE WITH
AND WITHOUT A TRANSVERSE MAGNETIC FIELD FINAL REPORT 1962
BY BOEDEKER L R DDC NR. 282377
COVERT E E CONTRACT NR. AF 49(638)-900
PROJ/TASK NR. 9781-37713

AFOSR 2808
ARIZONA UNIV OF TUCSON
DIFFUSION IN AG-ZN SYSTEM
BY TOMIZUKA C T — DDC NR. 281233
ROBERTS R A — CONTRACT NR. AF 49(638)-790
PROJ/TASK NR. 9760-37601

AFOSR 2809
HARVARD UNIV CAMBRIDGE MASS
RESEARCH STUDY TO CONSIDER THE ESTABLISHMENT OF AN OBSERVATORY FOR PLANETARY STUDIES NEAR CLOUDCROFT, N MEX APR 1962 FINAL REPROT
BY MENZEL D H — DDC NR.
BELL B — CONTRACT NR. AF 49(638)-1155
PROJ/TASK NR. 9774-37669

AFOSR 2810
N MEXICO UNIV OF ALBUQUERQUE
ELECTRON-PHOTON ENERGIES IN EXTENSIVE AIR SHOWERS
II NUOVO CIM SER X,* 23,*708-723,* FEB 1962
BY GREEN J. R. — DDC NR.
BARCUS J. R. — CONTRACT NR. AF 49(638)-34
PROJ/TASK NR. 9774-37665

AFOSR 2811
CALIFORNIA UNIV OF BERKELEY
REACTON OF OXYGEN ATOMS WITH ACETYLENE TO FORM KETENE1962
BY HALLER I — DDC NR. 276563
PIMENTEL G C — CONTRACT NR. AF 49(638)-944
PROJ/TASK NR. 9760-37600

AFOSR 2812
MARYLAND UNIV OF, COLLEGE PARK
GASDYNAMIC EFFECTS ON ELECTRIC CURRENT DENSITY IN MAGNETOGASDYNAMICS
J AEROSP SCI 29,*483-484,*APR 1962
BY PAI S I — DDC NR.
CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 2813
CHICAGO UNIV OF, ILL
A GENERALIZATION OF CONTINOUS CHOICE FUNCTION THEOREM
BY JAWOROWSKI J W — DDC NR. 281257
MACLANE S<P,I,> — CONTRACT NR. AF 49(638)-568
PROJ/TASK NR. 9769-37658

AFOSR 2814
MARQUETTE UNIV MILWAUKEE WISC
ON PRODUCTS OF STARLIKE FUNCTIONS 1962
BY MERKES E. P. — DDC NR.
ROBERTSON M. S. — CONTRACT NR. AF AFOSR-61-34
SCOTT W. T. — PROJ/TASK NR. 9752-37522

AFOSR 2815
OKLAHOMA UNIV NORMAN
OPTIMAL BURNING PROGRAMS FOR AN IDEALIZED UPWARD-DIRECTED MISSILE 1962
BY EWING G M — DDC NR.
CONTRACT NR. AF 49(638)-1058
PROJ/TASK NR. 9769-37658

AFOSR 2816
LEHIGH UNIV BETHLEHEM PA
PARALLEL AND CENTRAL TRANSFORMATION OF RIEMANNIAN MANIFOLDS AUG 1961
BY HSIUNG C. C. — DDC NR.
NASSAR H. I. — CONTRACT NR. AF 49(638)-1009
PROJ/TASK NR. 9769-37658

AFOSR 2817
INTERNATIONAL BUSINESS MACHINES CORP., NEW YORK NY
HIGH-SPEED DOCUMENT PERUSAL, FINAL REPORT MAY 1962
BY KOCHEN M — DDC NR. 285255
CONTRACT NR. AF 49(638)-1062
PROJ/TASK NR. 9769-37659

AFOSR 2819
MARYLAND UNIV OF COLLEGE PARK
INELASTIC ELECTRON SCATTERING BY THIN FILMS MAY 1962
PROC 5TH INTER CONG FOR ELECTRON MICROSCOPY, ACAD PRESS 62 V,1 AA8
BY GLICK A J — DDC NR.
FERRELL R A<P<2,> — CONTRACT NR. AF AFOSR-62-46
MYERS R<P,I,> — PROJ/TASK NR. 9763-02

AFOSR 2821
WASHINGTON UNIV OF SEATTLE
INFRARED SPECTRUM OF CF3SF5
J CHEM PHYS 35 1045-1050 SEP 196U
BY EGGERS JR D F — DDC NR. 295922
WRIGHT H E — CONTRACT NR. AF 49(638)-797
PROJ/TASK NR. 9760-37600

AFOSR 2823
HARVARD UNIV CAMBRIDGE MASS
CHEMISTRY OF THE METAL CARBONYLS. XVI. SYNTHESIS OF DICARBONYLDINITROSYLIRON <0>
INORG CHEM 1 386-388 MAY 1962
BY MCBRIDE D W — DDC NR.
STAFFORD S L — CONTRACT NR. AF 49(638)-518
STONE F G A — PROJ/TASK NR. 9762-37620

AFOSR 2824
WISCONSIN UNIV OF MADISON
THE RELATIONSHIP BETWEEN O-H STRETCHING FREQUENCY AND ELECTRONEGATIVITY IN HYDROXIDES OF VARIOUS ELEMENTS
J PHYS CHEM 64 822-823 JUN 1960
BY WEST R — DDC NR.
CONTRACT NR. AF 49(638)-285
PROJ/TASK NR. 9760-37600

AFOSR 2826
PISA UNIV OF ITALY
ATTIVITA TONICA DELLA RETINA REGISTRATE CON SEMIMICROELETTRODI TONIC ACTIVITY FROM THE RETINA REGISTERED WITH SEMI-MICROELECTRODES
BOLL SOC ITAL DI BIOL SPERIM 37 1393-1395 1961
BY ARDUINI A — DDC NR.
CABAGGIORI A — CONTRACT NR. AF 61(052)-107
MORUZZI G<P,I,> — PROJ/TASK NR. 9777-01

AFOSR 2827
PISA UNIV OF ITALY
ACTIVITY OF SINGLE UNITS IN THE PRIMARY OPTIC CORTEX IN THE UNANAESTHETIZED RABBIT DURING VISUAL, ACOUSTIC, OFLACTORY AND PAINFUL STIMULATION
ARCH ITAL BIOL 100 86-120 1962
BY LOMO T — DDC NR.
MOLLICA A — CONTRACT NR. AF 61(052)-107
MORUZZI G<P,I,> — PROJ/TASK NR. 9777-01

AFOSR 2828
PISA UNIV OF ITALY
ESISTENZA DI UN VERO RIFLESSO PUPILLARE CONSENSUALE NEGLI UCCELLI EXISTENCE OF A TRUE CONSENSUAL PUPILLARY REFLEX IN BIRDS
BOLL D- SOC ITAL DI BIOL SPER 37 928-930 1961
BY BERLUCCHI G — DDC NR.
STRATA P — CONTRACT NR. AF 61(052)-107
MORUZZI G<P,I,> — PROJ/TASK NR. 9777-01

AFOSR 2829
PISA UNIV OF ITALY
ENHANCEMENT OF CORTICAL RESPONSES TO SHOCKS DELIVERED TO LATERAL GERICULATE BODY LOCALIZATION AND MECHANISM OF THE EFFECTS
ARCH ITAL BIOL 99 397-412 1961
BY ARDUINI A — DDC NR.
GOLDSTEIN M H — CONTRACT NR. AF 61(052)-107
MORUZZI G<P,I,> — PROJ/TASK NR. 9777-01

AFOSR 2830
STOCKHOLM UNIV OF SWEDEN
A SUBJECTIVE SCALE AND THE THRESHOLD OF VELOCITY JAN 1962
BY MASHHOUR M — DDC NR. 281249
EKMAN G <P,I,> — CONTRACT NR. AF 61(052)-100
PROJ/TASK NR. 9778-03

AFOSR 2831
LOUVAIN UNIV OF BELGIUM
RESEARCH ON RESPONSE TO PAIN FINAL REPORT NOV 1961
BY MCKENNA A F — DDC NR. 276719
COLLE J — CONTRACT NR. AF 61(514)-1101
PROJ/TASK NR. 9777-37701

AFOSR 2834
MICHIGAN UNIV OF ANN ARBOR
STUDIES ON DRIVE AND INCENTIVE IN PERCEPTION IX - SOME EFFECTS OF CONDITIONED FEAR ON STIMULUS GENERALIZATION
BY PLATZ A R — DDC NR. 288189
ZAJONC R B<P,I,> — CONTRACT NR. AF 49(638)-367
PROJ/TASK NR. 9778-03

AFOSR 2835
HEBREW UNIV JERUSALEM ISRAEL
THE STRUCTURING OF SOCIOLOGICAL SPACES DEC 1961
BY GUTTMAN L — DDC NR. 284326
CONTRACT NR. AF 61(052)-121
PROJ/TASK NR. 9778-02

AFOSR 2836
INST NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN
ON THE INFLUENCE OF CHEMICAL KINETICS ON THE COMBUSTION OF FUEL DROPLETS JUN 1962
BY TARIFA C S — DDC NR. 277299
MILLAN G. — CONTRACT NR. AF 61(052)-221
PROJ/TASK NR. 9751-37510

AFOSR 2837
JOHNS HOPKINS UNIV BALTIMORE, MD
ON GLOBAL ASYMPTOTIC STABILITY OF SOLUTIONS OF DIFFERENTIAL EQUATIONS
TRANS AMER MATH SOC 104,*154-178,* JUL 1962
BY HARTMAN P. — DDC NR. 298161
OLECH C — CONTRACT NR. AF 18(603)-41
PROJ/TASK NR. 9783-37727

AFOSR 2838
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
A THEORY OF TRANSONIC AILERON BUZZ, NEGLECTING VISCOUS EFFECTS
J AEROSP SCI 29,*712-718,*JUN 1962
BY ECKHAUS W — DDC NR.
CONTRACT NR. AF 49(638)-160
PROJ/TASK NR. 9782-37718

AFOSR 2839
MICHIGAN UNIV OF ANN ARBOR
SHROUD DESIGN FOR SIMULATING HYPERSONIC FLOW OVER THE NOSE OF A HEMISPHERE
J AEROSP SCI 29,*757-758,* JUN 1962
BY DUNLAP R — DDC NR.
KUETHE A M<PI> — CONTRACT NR. AF 49(638)-336
PROJ/TASK NR. 9781-37712

AFOSR 2840
COLUMBIA UNIV NEW YORK N Y
CONTRIBUTIONS TO THE THEORY OF TIME-OPTIMAL CONTROL MAY 1962
BY KREINDLER E — DDC NR. 282361
KRANC G M<PI> — CONTRACT NR. AF 49(638)-998
PROJ/TASK NR. 9768-37650

AFOSR 2841
CORNELL UNIV, ITHACA, NY
THE EFFECT OF SLIP, PARTICULARLY FOR HIGHLY COOLED WALLS
J AEROSP SCI 29,8591-595,*MAY 1962
BY ROTT, N — DDC NR.
LENARD M — CONTRACT NR. AF 49(638)-544
SEARS W R <P,I,> — PROJ/TASK NR.

AFOSR 2842
REPUBLIC AVIATION CORP, FARMINGDALE, N Y
TEMPERATURE AND MIXTURE VARIATION O STRONG-DETONATION LIMITS
J AEROSP SCI 29,*469-470,* APR 1962
BY FOREMAN K M — DDC NR.
KUNEN A E — CONTRACT NR. AF 49(638)-552
PROJ/TASK NR. 9752-37521

AFOSR 2843
REPUBLIC AVIATION CORP. FARMINGDALE. N Y
PRESSURE VARIATION OF STRONG-DETONATION LIMITS
J AEROSP SCI 29.#240.# FEB 1962
BY FOREMAN K. M. DDC NR.
KUNEN A F CONTRACT NR. AF 49(638)-552
PROJ/TASK NR. 9752-37521

AFOSR 2844
NEW YORK UNIV N Y
A MAGNETOFLUID DYNAMIC KUTTA-JOUKOWSKY CONDITION
J AEROP SCI 29.#244.# FEB 1962
BY CUMBERBATCH E DDC NR.
SARASON L CONTRACT NR. AF 49(638)-1006
WEITZNER H PROJ/TASK NR. 9781-37713
GRAD MCPI>

AFOSR 2845
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
DEFORMATION TWINNING IN B.C.C. METALS
BY ARMSTRONG R W DDC NR. 280561
TILLER W A<P.I.> CONTRACT NR. AF 49(638)-1029
PROJ/TASK NR. 9762-37621

AFOSR 2846
NATIONAL ACADEMY OF SCI WASH DC
REPORT OF MEETING OF IUPAC COMMISSION ON ORGANIC NOMENCLATU
JUL 20-26 1961 AND SYMPOSIUM ON NOMENCLATURE JULY 27-29#
HELD IN COLUMBUS OHIO
BY ELDERFIELD R C DDC NR.
CONTRACT NR. AF-AFOSR-61-103
PROJ/TASK NR. 9763-9763-01

AFOSR 2847
MELLON INST PISSTBURGH PA AND CALIFORNIA UNIV BERKELEY
INFRARED SPECTROSCOPIC STUDY OF THE PHOTOLYSIS OF HN3 IN
SOLID CO2 JUN 1962
BY CHARLES S W DDC NR.
PIMENTEL G C CONTRACT NR. AF 49(638)-542
PIMENTEL G C CONTRACT NR. AF 49(638)-944
MILLIGAN D E PROJ/TASK NR. 9760-37600
JACOX M E

AFOSR 2848
ABERDEEN UNIV OF SCOTLAND
HEXAGONAL HIGH TEMPERATURE POLYMORPH OF CALCIUM CHROMITE
INORG CHEM 1 428-429 MAY 1962
BY GLASSER F P DDC NR.
DENT GLASSER L S CONTRACT NR. AF 61(052)-276
TAYLOR H F W<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 2849
GIANNINI CONTROLS CORP. BERWYN. PA
16AP 1962 DETAILED INSTRUCTIONS FOR THE USE OF PREVIOUSLY
PUBLISHED DECAY-DAMPING RELATIONSHIPS
BY FONDA A G DDC NR. 276570
ZISFEIN M B <P.I.> CONTRACT NR. AF 49(638)-1015
PROJ/TASK NR. 9782-37718

AFOSR 2851
KAROLINSKA INST SWEDEN
PIGMENT POSITION AND LIGHT SENSITIVITY IN THE COMPOUND EYE
OF NOCTUID MOTHS
ACTA PHYSIOL SCAND 54 95-96 1962
BY BERNHARD C G DDC NR.
OTTOSON D CONTRACT NR. AF 61(052)-21
ENGSTROM A<P.I.> PROJ/TASK NR. 9777-37700

AFOSR 2852
KAROLINSKA INST SWEDEN
STUDIES ON THE RELATION BETWEEN THE PIGMENT MIGRATION AND
THE SENSITIVITY CHANGES DURING DARK ADAPTATION IN DIURNAL
AND NOCTURNAL LEPIDOPTERA
J GEN PHYSIOL 44 205-215 1960 SEP
BY BERNHARD C G DDC NR. 275803
OTTOSON D CONTRACT NR. AF 61(052)-21
ENGSTROM A<P.I.> PROJ/TASK NR. 9777-37700

AFOSR 2853
KAROLINSKA INST STOCKHOLM SWEDEN
COMPARATIVE STUDIES ON DARK ADAPTATION IN THE COMPOUND EYES
NOCTURNAL AND DIURNAL LEPIDOPTERA
J GEN PHYSIOL 44 195-203 SEP 1960
BY BERNHARD C G DDC NR.
OTTOSON D CONTRACT NR. AF 61(052)-21
ENGSTROM A<P.I.> PROJ/TASK NR. 9777-37700

AFOSR 2854
KAROLINSKA INST STOCKHOLM SWEDEN
ON THE MECHANISM OF DARK ADAPTATION IN THE COMPOUND EYE
LECTURE HELD MAR 1962 ROCKEFELLER INST NY
BY BERNHARD C G DDC NR. 281250
ENGSTROM A<P.I.> CONTRACT NR. AF 61(052)-21
PROJ/TASK NR. 9777-37700

AFOSR 2855
NEW YORK UNIV NY
CONTROL SYSTEMS FINAL REPORT AUG 1962
BY CHANG S S L DDC NR. 281761
RAGAZZINI J R CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-37650

AFOSR 2856
LEES INSTRUMENT RSCH. INC.. CAMBRIDGE. MASS.
UNCERTAINTY CONCEPTS FOR ALLPICATION IN SYSTEMS
ANALYSIS MAY 1962
BY LEES S DDC NR. 284664
CONTRACT NR. AF 49(638)-1111
PROJ/TASK NR. 9769-37659

AFOSR 2861
KANSAS UNIV OF LAWRENCE
RATIO OF SELF-DIFFUSION COEFFICIENTS IN LIQUID ARGON-KRYPTO
MIXTURES
J PHYS CHEM L6 379 1962
BY BEARMAN R J DDC NR.
CONTRACT NR. AF AFOSR-61-7
PROJ/TASK NR. 9763-37630

AFOSR 2862
MASSACHUSETTS UNIV OF AMHERST
PROBABILITY OF DETECTION AND SPEED OF RESPONSE IN SIMPLE
MONITORING
HUMAN FACTORS 181-186 AUG 1962
BY TEICHNER W H DDC NR.
CONTRACT NR. AF-AFOSR 62-202
PROJ/TASK NR. 9778-03

AFOSR 2863
YALE UNIV NEW HAVEN CONN
ISOTHERMAL FLOW OF SUPERFLUID HELIUM IN A 1.1 MM. CAPILLARY
PROC VII INT CONF ON LOW TEMP PHYS. U TORONTO 1960
BY KIDDER J. N. DDC NR. 281358
FAIRBANK W. M. CONTRACT NR. AF 49(638)-690
PROJ/TASK NR. 9751-37511

AFOSR 2865
YALE UNIV NEW HAVEN CONN
CRITICAL VELOCITIES AND BOUNDARY INTERACTIONS IN THE
ISOTHERMAL FLOW OF SUPERFLUID HELIUM
PHYS REV 127.#987-994.# AUG 1962
BY KIDDER J. N. DDC NR.
FAIRBANK W. M. CONTRACT NR. AF AFOSR 62-87
PROJ/TASK NR. 9751-02

AFOSR 2866
THOMPSON RAMO-WOOLDRIDGE. INC.. CANOGA PARK. CALIF.
LINGUISTICS. DATA PROCESSING. AND MATHEMATICS. MAY 62
BY GARVIN P L DDC NR. 277949
KARUSH W CONTRACT NR. AF 49(638)-1128
PROJ/TASK NR. 9769-37659

AFOSR 2867
DYNATECH CORP. CAMBRIDGE. MASS
MAY 1962 THE CIRCULAR TORUS MEMBRANE UNDER
INTERNAL PRESSURE FINAL REPORT
BY SANDERS. JR. J L DDC NR.
LIEPINS A A CONTRACT NR. AF 49(638)-1096
ROHSENOW W M <P.I.> PROJ/TASK NR. 9782-37717

AFOSR 2868
OKLAHOMA UNIV OF NORMAN
PYREX DEMOUNTABLE PHOTOMULTIPLIER REFRIGERATOR
REV SCI INSTR 29.#1145-1146.# DEC 1958
BY BRONCO C. J. DDC NR.
ST JOHN R. M. CONTRACT NR. AF 49(638)-41
FOWLER R. G. PROJ/TASK NR. 9767

AFOSR 2869
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THEORY OF A PLASMA NEGATIVE RESISTANCE AMPLIFIER
J APPL PHYS 33.#1551-1562.# APR 1962
BY WADA J. Y. DDC NR.
KAPRIELLIAN Z. A. CONTRACT NR. AF 49(638)-522
PROJ/TASK NR. 9768-37650

AFOSR 2870
FLORIDA STATE UNIV TALLAHASSEE
OVER AND UNDER MAGNETIC ANALYZER SEP 1959
BY DAVIS R. H. DDC NR.
TEMMER G MCPI> CONTRACT NR. AF 49(638)-427
PROJ/TASK NR. 9750-37500

AFOSR 2871
FLORIDA STATE UNIV TALLAHASSEE
MULTI-LEVEL AND MULTI-CHANNEL ANALYSIS OF
ELASTIC SCATTERING MAY 1962
BY MITCHELL G. E. DDC NR. 277282
TEMMER G MCPI> CONTRACT NR. AF 49(638)-427
PROJ/TASK NR. 9750-37500

AFOSR 2872
NEW YORK UNIV N Y
GAS DISCHARGE PHENOMENA FINAL REPORT
BY BEDWESON B DDC NR.
FISHER L I CONTRACT NR. AF 18(600)-1701
PROJ/TASK NR. 9767

AFOSR 2873
CALIFORNIA UNIV OF. BERKELEY.
1962 ALGEBRAIC GEOMETRY FINAL REPORT
BY ROSENLICHT. M DDC NR.
GREENBERG M CONTRACT NR. AF 49(638)-603
PROJ/TASK NR. 9769-37658

AFOSR 2874
GEORGIA INST OF TECHNOLOGY. ATLANTA
DRIFT TUBE-MASS SPECTROMETER FOR STUDIES OF LOW-ENERGY
ION-MOLECULE REACTIONS
REV SCI INSTR 33.#2-7.# JAN 1962
BY MC DANIEL E. W. DDC NR.
MARTIN D. W. CONTRACT NR. AF 18(600)-1524
BARNES W. S. PROJ/TASK NR. 9767

AFOSR 2877
AARHUS UNIV. DENMARK
ON AGENERALIZATION OF THE FINITE ARCSINE LAW
ANN MATH STAT 33.#909-915.#SEP 1962
BY BAXTER G DDC NR.
ANDERSEN CONTRACT NR. AF61(052)-42
PROJ/TASK NR. 9769-37658

AFOSR 2879
IST NAZIONALE DI OTTICA ITALY
THE FADING OUT OF A FIXATED TEST-FIELD. MONOCULAR AND
BINOCULAR EXPERIMENTS
ATTI DELLA FONDAZIONE GIORGIO RONCHI NOV DEC 1961 643-653
BY RONCHI L DDC NR.
CONTICELLI M CONTRACT NR. AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR. 9777-04

AFOSR 2880
IST NAZIONALE DI OTTICA ITALY
EYE DOMINANCE IN AN EMPTY FIELD
ATTI DELLA FONDAZIONE GIORGIO RONCHI JAN FEB 1962 55-61
BY MORI G F DDC NR.
TORALDO DI FRANCIA G CONTRACT NR. AF 61(052)-80
PROJ/TASK NR. 9777-04

AFOSR 2881
IST NAZIONALE DI OTTICA ITAL
SPECTRA OF LIGHT SCATTERD IN THE ATMOSPHERE AT THE
HEIGHT OF 5 AND 10 KM
ATTI DELLA FONDAZIONE GIORGIO RONCHI 625-628 NOV DEC 1961
BY RONCHI G DOC NR.,
TORALDO DI FRANCIA G CONTRACT NR., AF 61(052)-80
PROJ/TASK NR., 9777-04

AFOSR 2882
PIZA UNIV OF ITALY
ROLE OF THE PUPIL IN CHANGES IN EVOKED RESPONSES ALONG
THE VISUAL PATHWAYS
ARCH ITAL BIOL 100 287-298 1962
BY APPANNI J DOC NR.,
MANCIA M CONTRACT NR., AF 61(052)-107
MARCHIAFAVA P L PROJ/TASK NR., 9777-01

AFOSR 2885
PIZA UNIV OF ITALY
ENHANCEMENT OF EEG SYNCHRONY IN THE ACUTE CERVEAU ISOLE
ARCH ITAL BIOL 100 286-297 1962
BY BIZZI E DOC NR.,
SPENCER W A CONTRACT NR., AF 61(052)-107
MORUZZI G PROJ/TASK NR., 9777-01

AFOSR 2886
LYONS UNIV OF FRANCE
RESEARCH ON THE NEUROPHYSIOLOGICAL MECHANISMS OF SLEEP
FINAL REPORT MAY 1962
BY JOUVET M DOC NR., 288439
CONTRACT NR., AF 61(052)-472
PROJ/TASK NR., 9778-01

AFOSR 2889
MASSACHUSETTS UNIV OF AMHERST
THE DYNAMIC BIREFRINGENCE OF HIGH POLYMERS
J POLYMER SCI 57 801-821 1962
BY STEIN R S DOC NR.,
CONTRACT NR., AF AFOSR 61-28
PROJ/TASK NR., 9760-17600

AFOSR 2893
MILAN UNIV OF ITALY
CATHODIC REDUCTION OF OXYGEN AND HYDROGEN PEROXIDE ON
TITANIUM
1ST INT CONG ON METALLIC CORROSION LONDON APR 1961
PP 78-85 PUBL BUTTERWORTHS
BY BIANCHI G DOC NR.,
MALAGUZZI S CONTRACT NR., AF 61(052)-260
PROJ/TASK NR., 9761-17610

AFOSR 2895
WEIZMAN INST OF SCI REHOVOTH ISRAEL
LIT
LIGHT DEPENDENT ADENOSINE IN TRYPHOSPHATASE CHLOROPLASTS
J BIOL CHEM 237 2811-2817 JUN 1962
BY AVRON M DOC NR.,
CONTRACT NR., AF 61(052)-390
PROJ/TASK NR., 9777-05

AFOSR 2896
SYRACUSE UNIV N Y
THEORY OF APPROXIMATION FINAL REPORT JUN 1962
BY LORENTZ G G DOC NR., 289621
CONTRACT NR., AF 49(638)-619
PROJ/TASK NR., 9752-17522

AFOSR 2897
STANFORD UNIV CALIF
NEURAMINIC ACID AND CENTRAL NERVOUS SYSTEM FUNCTION
NEURAMINIC ACID IN THE BRAIN AND TISSUES OF VARIOUS ANIMALS
FINAL REPORT 1962
BY FLORSDAF M DOC NR., 290097
CUTTING W CONTRACT NR., AF 49(638)-710
READ G PROJ/TASK NR., 9777-17700

AFOSR 2898
POLYTECHNIC INST OF BROOKLYN N Y
THE OPTIMAL CONTROL OF CHEMICAL PROCESSES JUL 1962
BY BROSILOW C. B. DOC NR., 288100
MARCUWITZ N. CONTRACT NR., AF 18(600)-1505
TRUSAL J. G. PROJ/TASK NR., 4751
WEBER R<PI>

AFOSR 2899
IST NAZIONALE DI OTTICA ITALY
SPEED OF READING UNDER RED AND WHITE ILLUMINATIONS
ATTI D FONDAZIONE GIORGIO RONCHI 16 900-917 SEP-OCT 1961
BY CONTICELLI M DOC NR.,
TORALDO DI FRANCIA G CONTRACT NR., AF 61(052)-80
PROJ/TASK NR., 9777-04

AFOSR 2901
IST NAZIONALE DI OTTICA ITALY
TRAINING AND ELECTROETINOGRAPHIC RESPONSES
ATTI D- FONDAZIONE GIORGIO RONCHI 910-931 SEP-OCT 1961
BY RONCHI L DOC NR.,
ERCOLES A M CONTRACT NR., AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR., 9777-04

AFOSR 2902
IST NAZIONALE DI OTTICA ITALY
ON THE ELECTROPTIONOGRAPHIC PERSONAL EQUATION
ATTI D- FONDAZIONE GIORGIO RONCHI 932-942 SEP-OCT 1960
BY RONCHI L DOC NR.,
BATTAI G CONTRACT NR., AF 61(052)-80
TORALDO DI FRANCIA G PROJ/TASK NR., 9777-04

AFOSR 2903
KAROLINSKA INST STOCKHOLM SWEDEN
QUANTITATIVE MEASUREMENTS OF GLUCOSE UPTAKE AND BLOOD FLOW
IN REVERSIBLY ISOLATED CAT CORTEX
MEDICA INT CONG SERIES # 40 PAPER # 1110 720 INT CONG
CONG PHYSIOL SCI LEIDEN SEP 1962
BY SODERBERG U DOC NR.,
CONTRACT NR., AF 61(052)-119
PROJ/TASK NR., 9777-01

AFOSR 2904
KAROLINSKA INST STOCKHOLM SWEDEN
THE EFFECT OF BLOOD BORNE INFLUENCES ON THE CEREBRAL CORTEX
I. WAKEFULNESS AND SLEEP
PROC INT UNION PHYSIOL SCI 22D INT CONG SYMPOSIUM ON THE
AROUSAL SYSTEM OF THE BRAIN BRIT INT. CONGR OF PHYSIOL.
SCIENCES, LEIDEN 10-17 SEP PP 657-659
BY SODERBERG U DOC NR.,
CONTRACT NR., AF 61(052)-419
PROJ/TASK NR., 9777-01

AFOSR 2906
KAROLINSKA INST STOCKHOLM SWEDEN
BLOOD PRESSURE AND PULSE-WAVES IN SMALL CEREBRAL ARTERIES
DETERMINED WITH STIFF MEMBRANES
INTERNATIONAL BIOPHYSICS CONGRESS STOCKHOLM 31 JUL -6 AUG 61
BY SODERBERG U DOC NR.,
CONTRACT NR., AF 61(052)-119
PROJ/TASK NR., 99 977-01

AFOSR 2907
KAROLINSKA INST STOCKHOLM SWEDEN
QUANTITATIVE BESTIMMUNG DES BLUTSTROMES IN EINEM NERVOS
ISOLIERTEN HIRNERLAPPEN DER KATZE QUALITATIVE MEASUREMENT
OF BLOODFLOW IN AN ISOLATED BRAIN SLAB IN THE CAT
VERHANDLUNGEN DER DEUTSCHEN GESELLSCHAFT FUR
KREISLAUFFORSCHUNG, 27 301-308
BY JOBSIS F F DOC NR.,
SODERBERG U CONTRACT NR., AF 61(052)-119
PROJ/TASK NR., 9777-01

AFOSR 2908
KAROLINSK AINST STOCKHOLM SWDEN
SINGLE UNIT ACTIVITY IN THE RABBIT LATERAL GENICULATE BODY
DURING EXPERIMENTAL EPILEPSY
BY SODERBERG U DOC NR.,
ARDEN G B CONTRACT NR., AF 61(052)-119
PROJ/TASK NR., 9777-01

AFOSR 2910
LONDON UNIV OF ENGLAND
THE STUDY OF THE MECHANISM OF TRANSPORTATION OF PHYSICAL
ENERGY INTO NERVE ACTIVITY IN THE INTERNAL EAR FINAL REPORT
1962
BY DEMEROO F C DOC NR., 293269
CONTRACT NR., AF 61(052)-271
PROJ/TASK NR., 9777-01

AFOSR 2911
UNIVERSITY COLLEGE GALWAY IRELAND
ZINC COMPLEX SALT FORMATION BY BILIRUBIN AND MESOBILIRUBIN
NATURE 195 899-900 SEP 1962
BY CARRA P P DOC NR.,
EOCHA D L<P.I.> CONTRACT NR., AF 61.0520-409
PROJ/TASK NR., 9777-05

AFOSR 2914
HEBREW UNIV JERUSALEM ISRAEL
TAUBERIAN CONSTANTS FOR THE ABEL AND
CESARO TRANSFORMATIONS MAR 1962
BY JAKIMOVSKI A. DOC NR., 277488
AGMON S. CONTRACT NR., AF 61(052)-107
PROJ/TASK NR., 9762-03

AFOSR 2915
HEBREW UNIV JERUSALEM ISRAEL
ON THE UNITARY PART OF A CONTRACTION MAY 1962
BY FOGUEL S. R. DOC NR., 277489
AGMON S. CONTRACT NR., AF 61(052)-107
PROJ/TASK NR., 9762-03

AFOSR 2916
COLUMBIA UNIV NY
DATA PROCESSING TECHNIQUES
FINAL REPORT JUN 1962
BY SHAPIRO M DOC NR., 295618
WISSNER S CONTRACT NR., AF 49(638)-1113
OWETLL L M <P.I.> PROJ/TASK NR., 7037

AFOSR 2917
ILLINOIS UNIV OF URBANA
HUMAN BEHAVIOR IN COMPLEX TASKS HAVING MULTIPLE STIMULUS-
MULTIPLE RESPONSE DEMANDS JUN 1962 FINAL REPORT
BY ADAMS J A DOC NR., 288197
CONTRACT NR., AF 49(638)-971
PROJ/TASK NR., 9778-01

AFOSR 2921
GENERAL ELECTRIC RSCH LABORATORY SCHENECTADY NY
ENTROPY PARAMETERS IN ADSORPTION
J CHEM PHYS 34 1499-1503 MAR 1962
BY EMRLICH G DOC NR.,
CONTRACT NR., AF 49(638)-791
PROJ/TASK NR., 9761-17610

AFOSR 2923
CALIFORNIA UNIV OF LOS ANGELES
HIGH PRESSURE CHEMISTRY I ULTRA RAPOD RATES AT VERY HIGH
PRESSURES
PROC NAS 48 1479-1480 SEP 1962
BY LIBBY W F DOC NR.,
CONTRACT NR., AF 49(638)-901
PROJ/TASK NR., 9760-17600

AFOSR 2929
MASSACHUSETTS UNIV OF AMHERST
THE DYNAMIC BIREFRINGENCE OF HIGH POLYMERS II APR 1962
BY STEIN R S DOC NR., 277602
OHNOKI S CONTRACT NR., AF AFOSR 61-28
SASAGURI K PROJ/TASK NR., 9760-17600
PEERY D A

AFOSR 2927
MARYLAND UNIV OF COLLEGE PARK
THE TOPOLOGY OF A ALMOST UNIFORM CONVERGENCE
PAC J MATH 9,9661-692,0 1959
BY BEAGE J. W. DOC NR.,
CONTRACT NR., AF 18(603)-78
PROJ/TASK NR., 9769-17727

AFOSR 2928
STANFORD UNIV CALIF
OPTIMUM AND QUASI-OPTIMUM CONTROL OF THIRD AND FOURTH-ORDER SYSTEMS JUN 1962
BY PLUGGE-LOTZ J — DDC NR., TITUS JR H A — CONTRACT NR., AF 49(638)-913 — PROJ/TASK NR., 9783-57726

AFOSR 2929
HEBREW UNIV JERUSALEM ISRAEL
A STUDY OF THE INTERNAL FIELDS ACTING ON NUCLEI IN SOLIDS USING THE TECHNIQUES OF THE MOSSBAUER ABSORPTION AND PERTURBATION OF CASCADES JAN 1962
BY COHEN S G — DDC NR., 277618 — CONTRACT NR., AF 61(052)-367 — PROJ/TASK NR., 9761-57631

AFOSR 2930
ZARAGOZA UNIV SPAIN
ACTION PRINCIPLE FOR CLASSICAL MECHANICS
J MATH ANAL & APPL 3,0299-316,0 OCT 1961
BY GARRIDO L. M. — DDC NR., — CONTRACT NR., AF EOAR 62-89 — PROJ/TASK NR., 9751-02

AFOSR 2931
OXFORD UNIV ENGLAND
GENERATION AND USE OF PULSED MAGNETIC FIELDS
BY GABELL C. S. — DDC NR., 277626 — CONTRACT NR., AF 61(514)-1183 — PROJ/TASK NR., 9768-57690
MOTZ H<PI>

AFOSR 2932
INST OF RECHERCHES NUCLEAIRES, STRASBOURG, FRANCE
DOUBLE GAMMA EMISSION IN THE L=0,M=+1 HOMOPOLE TRANSITION OF 0+0
PHYS REV LTRS 7 170-172 SEP 1961
BY GORODETZKY S — DDC NR., SUTTER G — CONTRACT NR., AF 61(052)-590 — ARMBRUSTER R — PROJ/TASK NR., 9751-03 — CHEVALLIER P — MERNBATH P

AFOSR 2933
PARIS UNIV OF FRANCE
WEAK-ELECTROMAGNETIC AND PIONIC DECAY OF HYPERONS
BY RUYTS J. — DDC NR., 277627 — MICHEL L<PI> — CONTRACT NR., AF 61(052)-674 — PROJ/TASK NR., 9750-57930

AFOSR 2934
CAMBRIDGE UNIV ENGLAND
THE DEPENDENCE OF CROSS-SLIP ON STACKING FAULT ENERGY IN F.C.C. METALS AND ALLOYS
PHIL MAG 7 1369-1369 AUG 1962
BY THORNTON P R — DDC NR., 280107 — MITCHELL T E — CONTRACT NR., AF 61(052)-90 — HIRSCH P B — PROJ/TASK NR., 9760-57601

AFOSR 2935
WESTERN ONTARIO UNIV OF CAN
RESEARCH ON GAS SCINTILLATORS FROM IONIZING RADIATIONS - FINAL REPORT
BY NICHOLLS R. W. — DDC NR., 277801 — CONTRACT NR., AF AFOSR-61-88 — PROJ/TASK NR., 9776-01

AFOSR 2937
FLORIDA UNIV OF GAINESVILLE
AN EXPERIMENTAL STUDY OF THE INTERACTION OF PLASMONS AND FAST ELECTRONS IN METALS, A STUDY OF ELECTRON TUNNELING THROUGH THIN INSULATING FILMS FINAL REPORT JUN 1962
BY ARD W F — DDC NR., 282138 — CONTRACT NR., AF 49(638)-956 — PROJ/TASK NR., 9760-57601

AFOSR 2940
STANFORD UNIV CALIF
GENERAL RELATIVITY,0 THEORY AND EXPERIMENT JUN 1962
BY SCHIFF L. I. — DDC NR., 278637 — CONTRACT NR., AF 49(638)-388 — PROJ/TASK NR., 9750-01

AFOSR 2941
STANFORD UNIV CALIF
QUANTIZATION OF SELF-COUPLED BOSON FIELD JUN 1962
INT CONF HI ENERGY PHYS - CERN 1962
BY SCHIFF L. I. — DDC NR., 278636 — PROJ/TASK NR., AF 49(638)-388 — PROJ/TASK NR., 9750-01

AFOSR 2942
STANFORD UNIV CALIF
FORMAL SIMILARITIES OF WEAK, STRONG & ELECTROMAGNETIC INTERACTIONS JUN 1962
BY BAKER M. — DDC NR., 278635 — GLASHOW S. L. — CONTRACT NR., AF 49(638)-388 — SCHIFF L I<PI> — PROJ/TASK NR., 9750-01

AFOSR 2943
STANFORD UNIV CALIF
SPONTANEOUS BREAKDOWN OF ELEMENTARY PARTICLE SYMMETRIES JUN 1962
BY BAKER M. — DDC NR., 278634 — GLASHOW S. L. — CONTRACT NR., AF 49(638)-388 — SCHIFF L I<PI> — PROJ/TASK NR., 9750-01

AFOSR 2944
STANFORD UNIV CALIF
DIVERGENCE CONDITIONS AND THE GRAVITATIONAL FIELD EQUATIONS JUN 1962
SUR J MATH PHYS
BY PAGELS H. R. — DDC NR., 278633 — SCHIFF L I<PI> — CONTRACT NR., AF 49(638)-388 — PROJ/TASK NR., 9750-01

AFOSR 2946
CALIFORNIA INST OF TECHNOLOGY, PASADENA
JUN 1962 THE EFFECT OF HEAT TRANSFER ON SEPARATION OF LAMINAR COMPRESSIBLE BOUNDARY LAYERS
BY SAVAGE S B — DDC NR., 277556 — REEVES B L <P.I.> — CONTRACT NR., AF 49(638)-910 — PROJ/TASK NR., 9781-57712

AFOSR 2947
CALIFORNIA UNIV, LOS ANGELES
ASTRODYNAMICAL REPORT NR 10 MAY 1962
A COMPARISON OF ASTRONOMICAL AND BALLISTIC TRADITIONS IN ORBIT COMPUTATION
BY HERRICK S — DDC NR., 277556 — CONTRACT NR., AF 49(638)-698 — PROJ/TASK NR., 9781-01

AFOSR 2948
AVCO EVERETT RSCH LABORATORY, EVERETT
DEVIATION OF MASS OPERATION FROM ONE-DIMENSIONAL MODEL APR 1962
BY FISHMAN F. J. — DDC NR., PFISCHER H. E. — CONTRACT NR., AF 49(638)-1178 — PATRICK R M<PI> — PROJ/TASK NR., 9161-57510

AFOSR 2949
CALIFORNIA UNIV OF, BERKELEY
MAY 1962 SHOCK WAVE STRUCTURE IN PARTIALLY IONIZED GASES
BY GRESYL W — DDC NR., 277603 — TALBOT L <P.I.> — CONTRACT NR., AF 49(638)-502 — PROJ/TASK NR., 9781-57712

AFOSR 2950
WEIZMANN INST OF SCI REHOVOTH ISRAEL
THE MECHANISM OF PHOTOPHOSPHORYLATION IN CHLOROPLASTICS FINAL REPORT 1962
BY AVRON M — DDC NR., 283986 — CONTRACT NR., AF 61(052)-390 — PROJ/TASK NR., 9777-05

AFOSR 2951
CALIFORNIA INST OF TECHNOLOGY PASADENA
I VLF PROPAGATION STUDIES, II LASER STUDIES - FINAL REPORT MAR 1962
BY LANGMUIR R. — DDC NR., — CONTRACT NR., AF 18(600)-1552 — PROJ/TASK NR., 9768-57650

AFOSR 2952
CALIFORNIA UNIV OF BERKELEY
ATOMIC BEAM RESEARCH - FINAL REPORT JUN 1962
BY NIERENBERG W. A. — DDC NR., 285777 — SHUGART H. A. — CONTRACT NR., AF 49(638)-339 — PROJ/TASK NR., 9751-02

AFOSR 2954
MICHIGAN UNIV OF ANN ARBOR
ABUNDANCES OF ELEMENTS IN STARS AND NEBULAE, JUN 1962
BY ALLER L. H. — DDC NR., 282369 — CONTRACT NR., AF 49(638)-807 — PROJ/TASK NR., 9776-01

AFOSR 2955
LITTON SCIENTIFIC LABORATORY GLENDALE CALIF
A THEORY AND SIMULATION OF RHYTHMIC BEHAVIOR DUE TO RECIPROCAL INHIBITION IN SMALL NERVE NETS
JOINT COMPUTER CONF SAN FRANCISCO CALIF MAY 1962 PP 171-194
BY REISS R F — DDC NR., — CONTRACT NR., AF 49(638)-1021 — PROJ/TASK NR., 9777-04

AFOSR 2956
CORNELL UNIV, ITHACA, NY
FEB 1962 AN EXPERIMENTAL STUDY OF THE SURFACE WAVES GENERATED BY A TIME VARYING MAGNETIC FIELD, A THESIS.
BY LIGHT G C — DDC NR., 277712 — SEARS W R <P.I.> — CONTRACT NR., AF 49(638)-566 — PROJ/TASK NR.,

AFOSR 2957
STEVENS INST OF TECHNOLOGY HOBOKEN N J
THEORETICAL RESEARCH IN THE STATISTICAL MECHANICS OF PHYSICS PROCESSES - FINAL REPORT
BY PAJARS J — DDC NR., 285877 — CONTRACT NR., AF 49(638)-352 — PROJ/TASK NR., 9791-02

AFOSR 2958
NORTHEASTERN UNIV BOSTON, MASS
ON THE STEADY-STATE DYNAMICS OF SPIRAL GALAXIES JUN 1962
BY GREYBER H. D. — DDC NR., 285856 — LANZA G<PI> — CONTRACT NR., AF 49(638)-949 — PROJ/TASK NR., 9768-57650

AFOSR 2959
NORTHEASTERN UNIV BOSTON MASS
RELATIVISTIC TREATMENT OF PLASMA
BY LANZA G. — DDC NR., YILMAZ H. — CONTRACT NR., AF 49(638)-949 — PROJ/TASK NR., 9768

AFOSR 2960
CORNELL UNIV ITHACA N Y
PLASMA SHEATHS AND THEIR EFFECTS ON ANTENNAS MAY 1962
BY PEALE S. J. — DDC NR., 278689 — GOLD T<PI> — CONTRACT NR., AF 49(638)-919 — PROJ/TASK NR., 9768-57650

AFOSR 2961
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
A STUDY OF COMPRESSIBLE AND INCOMPRESSIBLE VISCOUS FLOW IN SLENDER CHANNELS JUNE 1962
BYLLIAMS III J. C. — DDC NR., 277907 — CHUAN B L<PI> — CONTRACT NR., AF 49(638)-811 — PROJ/TASK NR., 9783-57725

AFOSR 2962
FREE UNIV WEST BERLIN GERMAN
THE IDEA OF MACROSCOPICAL OBSERVABLES IN CLASSICAL MECHANICS AND A GENERALIZATION OF BOLTZMANN EQUATION
BY LUDWIG G<P,I,> DDC NR, 283923
CONTRACT NR, AF 61<052>-219
PROJ/TASK NR, 7767

AFOSR 2963
LAB DE PHYSIQUE DES SOLIDES, ORSAY PARIS FRANCE
MAR 1962 PART I, DYNAMICAL THEORY OF THE REFLECTION OF X-RA BY NON-PERFECT CRYSTALS, BY D TAUPIN PART II, CRYSTALLINE TEXTURE OF BATIOS CRYSTALS, BY C BOUSQUET, M LAMBERT, A M QUITTET, A GUINIER
BY GUINIER A<P,I> DDC NR, 278109
CONTRACT NR, AF 61<052>-910
PROJ/TASK NR, 9763-97631

AFOSR 2964
CALIFORNIA INST OF TECHNOLOGY, PASADENA
FURTHER STUDY OF THE MECHANISM OF CIRCUM-PACIFIC EARTHQUAKES FROM RAYLEIGH WAVES
J GEOPHYS RSCH 65,4169-4172,DEC 1960
BY ARI K DDC NR,
PRESS F <P,I,> CONTRACT NR, AF 49<638>-910
PROJ/TASK NR, 8652

AFOSR 2965
CALIFORNIA INST OF TECHNOLOGY, PASADENA
CRUSTAL STRUCTURE OF THE ANDES FROM RAYLEIGH WAVE DISPERION
BUL OF SEISMOLOGICAL SOC OF AMER
51,9981-100,9JULY 1961
BY CISTERNAS A DDC NR,
PRESS F <P,I,> CONTRACT NR, AF 49<638>-910
PROJ/TASK NR, 8652

AFOSR 2966
CALIFORNIA INST OF TECHNOLOGY, PASADENA
LEAKING MODES IN THE CRUSTAL WAVEGUIDE,
PART I, THE OCEANIC PL WAVE
J GEOPHYS RSCH 66,91669-1669,MAY 1961
BY PHINNEY R A DDC NR,
PRESS F <P,I,> CONTRACT NR, AF 49,638>-910
PROJ/TASK NR, 8692

AFOSR 2967
CALIFORNIA INST OF TECHNOLOGY, PASADENA
UPPER MANTEL STRUCTURE UNDER OCEANS AND CONTINETS FROM RAYLEIGH WAVES
GEOPHYS J OF THE ROYAL ASTRON SOC 5 292-305 1961
BY ARI K DDC NR,
PRESS F CONTRACT NR, AF 49<638>-910
PROJ/TASK NR, 8692

AFOSR 2968
POLYTECHNIC INST OF BROOKLYN N Y
COMPRESSIBLE VISCOUS FLOW IN A TWO-DIMENSIONAL ADIABATIC CHANNEL MAY 1962
BY SHARG J, DDC NR, 278120
BLOOM M, H, CONTRACT NR, AF 49<638>-665
FERRI A<P,I> PROJ/TASK NR, 9781-97712

AFOSR 2969
POLYTECHNIC INST OF BROOKLYN N Y
THREE-DIMENSIONAL EFFECTS IN VISCOUS WAKES JUN 1962
BY TRIGER M, H, S, DDC NR, 278129
BLOOM M, H, CONTRACT NR, AF 49<638>-665
FERRI A<P,I> PROJ/TASK NR, 9781-97712

AFOSR 2970
CHICAGO UNIV OF ILL
HIGH-ENERGY ELECTRONS OF SOLAR ORIGIN
PHYS REV LTRS 8 387-389 MAY 1962
BY MEYER P DDC NR,
VOLT R CONTRACT NR, AF 49<638> 1008
PROJ/TASK NR, 9776-97665

AFOSR 2971
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON THE EXPANSION OF A GAS INTO VACUUM
J FLUID MECH 13 101-119 1962
BY GREENSPAN H P DDC NR,
BUTLER D S CONTRACT NR, AF 49<638>-708
WHITHAM G B<P,I,> PROJ/TASK NR, 9783-97727

AFOSR 2972
UPPSALA UNIV OF SWEDEN
RESEARCH ON INTERPOLATION PROBLEMS FINAL REPORT JUNE 1962
BY CARLESON L. DDC NR, 278146
CONTRACT NR, AF 61<052>-250
PROJ/TASK NR, 9783-97727

AFOSR 2974
TECHNION RSCH & DEVEL FOUND HAIFA ISRAEL
RESEARCH ON CROSS STRESSES IN THE FLOW OF DIFFERENT GASES, CROSS STRESSES IN THE LAMINAR FLOW OF GASES IN ACCORDANCE WITH MAXWELL-S DYNAMICAL THEORY FINAL REPORT APR 1962
BUL RSCH COUNCIL OF ISRAEL, SEC C V. 10C2-19,9JUN 1961
BY REINER T. DDC NR, 278214
CONTRACT NR, AF 61<052>-223
PROJ/TASK NR, 9781-97712

AFOSR 2979
NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN
INVESTIGATION OF NUCLEAR REACTIONS INDUCED BY HEAVY ION BOMBARDMENT AND OF EXCITED LEVELS IN HEAVY NUCLEI JUN 1962
BY BERGSTROM J. DDC NR, 278240
ASTROM B. CONTRACT NR, AF 61<052>-318
PROJ/TASK NR, 9750-97600

AFOSR 2976
LEIDEN STATE UNIV OF NETHERLANDS
RESEARCH ON STATISTICAL MECHANICS AND THERMODYNAMICS OF IRREVERSIBLE PROCESSES FINAL REPORT MAY 1962
BY MAZUR P. DDC NR, 278134
DE GROOT S. R. CONTRACT NR, AF 61<052>-16
PROJ/TASK NR, 9751-97511

AFOSR 2977
VIENNA UNIV AUSTRIA
DETERMINATION OF THE SLOPE OF THE POMERANCHUK-TRAJECTORY FROM HIGH ENERGY ELASTIC SCATTERING MAY 1962
BY CZAPEK G DDC NR, 283699
KELLNER G CONTRACT NR, AF 61<052>-438
PIETSCHMANN H PROJ/TASK NR, 9751-97512
THIRRING W E<P,I,>

AFOSR 2978
VIENNA UNIV AUSTRIA
THE PRESENT STATUS OF THE NEW RESONANCES MAY 1962
BY BALACHANDRAN A P DDC NR, 278179
PIETSCHMANN H CONTRACT NR, AF 61<052>-244
THIRRING W E<P,I,> PROJ/TASK NR, 9751-97512

AFOSR 2979
ZARAGOSA UNIV OF SPAIN
CLASSICAL MECHANICS IN THE HILVERT SPACE
COLLECTANEA MATH 13 219-240 1961
BY GARRIDO L M DDC NR,
CONTRACT NR, AF EOAR 62-89
PROJ/TASK NR, 9751-02

AFOSR 2980
BRUSSELS UNIV BELGIUM
PHOTOCHEMISTRY SYMPOSIUM ABSTRACTS OF PAPERS, BRUSSELS JUNE 1962
BY GOLDFINGER P<P,I,> DDC NR, 278139
CONTRACT NR, AF 61<052>-622
PROJ/TASK NR, 9781-97830

AFOSR 2981
CORNELL UNIV, ITHACA, NY
STAGNATION-POINT FLOW OF A VARIABLE-PROPERTY FLUID AT LOW REYNOLDS NUMBERS
BY LENARD M DDC NR,
SEARS W R <P,I,> CONTRACT NR, AF 49<638>-566
PROJ/TASK NR, 9781-01

AFOSR 2985
OHIO STATE UNIV COLUMBUS
ADMINISTRATIVE PRACTICES IN UNIVERSITY DEPARTMENTS 196, AMERICAN SOCIOLOGICAL ASSOCIATION, WASH DC AUG 1962
BY HAAS E DDC NR, 280167
COLLEN L CONTRACT NR, AF 49<638>-667
PROJ/TASK NR, 9778-02

AFOSR 2986
READING UNIV OF ENGLAND
RESEARCH ON NEURAL MECHANISMS UNDERLYING PERCEPTION AUG 62
BY WALLACE G K DDC NR, 280611
VOULES D W<P,I,> CONTRACT NR, AF 61<052>-620
VOULES D W<P,I,> CONTRACT NR, AF 61<052>-114
TIMBERGEN N<P,I> PROJ/TASK NR, 9777-97709

AFOSR 2987
CALIFORNIA UNIV OF BERKELEY
INFRARED SPECTROSCOPIC STUDY OF THE PHOTOLYSES OF HNO IN SOLID CO2
BY PIMENTEL G C DDC NR, 282779
MILLIGAN D E CONTRACT NR, AF 49<638>-966
MILLIGAN D E CONTRACT NR, AF 49<638>-562
JACOX M PROJ/TASK NR, 9760-97600

AFOSR 2988
UNIVERISTY COLLEGE LONDON ENGLAND
THE VISUAL SYSTEM OF OCTOPUS REGULARITIES IN THE RETINA AND OPTIC LOBES OF OCTOPUS IN RELATION TO FORM DISCRIMINATION
NATURE 196 896-844 JUN 1956
BY YOUNG J Z DDC NR,
CONTRACT NR, AF 61<052>-254
PROJ/TASK NR, 9777-03

AFOSR 2989
UNIVERSITY COLLEGE LONDON ENGLAND
LEARNING AND DISCRIMINATION IN THE OCTOPUS
BIOL REV 36 32-96 56
BY YOUNG J Z DDC NR,
CONTRACT NR, AF 61<052>-256
PROJ/TASK NR, 9777-03

AFOSR 2990
UNIVERSITY COLLEGE LONDON ENGLAND
EVIDENCE FOR THE INTRAOCULAR DISCRIMINATION OF VERTICALLY AND HORIZONTALLY POLARIZED LIGHT BY OCTOPUS
J EXP, BIOL 99 21-30 1962
BY MOODY M F DDC NR,
YOUNG J Z<P,I,> CONTRACT NR, AF 61<052>-256
PROJ/TASK NR, 9777-03

AFOSR 2991
UNIVERSITY COLLEGE LONDON ENGLAND
THE DISCRIMINATION OF POLARIZED LIGHT BY OCTOPUS A BEHAVIOURAL AND MORPHOLOGICAL STUDY
ZEIT FUR VERGLEICHERDE PHYSIOL 44 268-291 1961
BY MOODY M F DDC NR,
PARRISS J R CONTRACT NR, AF 61<052>-256
YOUNG J Z<P,I,0 PROJ/TASK NR, 9777-03

AFOSR 2992
UNIVERSITY COLLEGE LONDON ENGLAND
THE RETINA OF CEPHALOPODS AND ITS DEGENERATION AFTER OPTIC NERVE SECTION- THE OPTIC LOBES OF OCTOPUS VULGARIS
PHILOSOPH TRANS ROYAL SOC LONDON SER 245 1-58 MAR 1962
BY YOUNG J Z DDC NR,
CONTRACT NR, AF 61<052>-256
PROJ/TASK NR, 9777-00

AFOSR 2993
UPPSALA UNIV OF SWEDEN
X-RAY STUDIES OF MOLYBDENUM AND TUNGSTEN PHOSPHIDES JUL 62
BY RUNDQVIST S DDC NR, 278177
LUNDSTROM T CONTRACT NR, AF 61<052>-60
NAGG B<P,I,> PROJ/TASK NR, 9762-97621

AFOSR 2994
HARVARD UNIV CAMBRIDGE MASS
GEOMETRICAL CONSIDERATIONS IN THE BURNING OF LIQUID DROPS
COMB & FLAME 6,*89-92,* JUN 1962
BY UDELSON D. G. — DDC NR.
EMMONS H. W. — CONTRACT NR. AF 49(638)-29
PROJ/TASK NR. 9751-37510

AFOSR 2995
CALIFORNIA INST OF TECHNOLOGY PASADENA
FORMULAS FOR THE DETERMINATION OF THE MATERIAL DAMPING OF A CYLINDRICAL SHELL BY A DECAYING FREE VIBRATION-APPENDIX,* APPROXIMATION FORMULAS FOR BESSEL-AND HANKEL-FUNCTIONS JUN 1962
BY KRUMHAAR H — DDC NR.
SECHLER E E <P.I.> — CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9782-01

AFOSR 2996
CALIFORNIA INST OF TECHNOLOGY PASADENA
EXPERIMENTS ON THE FLUTTER OF FLAT AND SLIGHTLY CURVED PANELS AT MACH NUMBER 2.81 JUN 1962
BY ANDERSON W J — DDC NR.
SECHLER E E <P.I.> — CONTRACT NR. AF 49(638)-220
PROJ/TASK NR. 9782-01

AFOSR 2997
RIAS INC BALTIMORE MD
CANONICAL STRUCTURE OF LINEAR DYNAMICAL SYSTEMS
PROC NAS 48 596-600 APR 1962
BY KALMAN R F — DDC NR.
LEFSCHETZ S<P.I.> — CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-02

AFOSR 2998
STANFORD UNIV CALIF
PLASMA SHEATH FORMATION BY RF FIELDS JUL 1962
BY BUTLER H. S. — DDC NR. 283839
KINO G. S. — CONTRACT NR. AF 49(638)-415
CHODOROW M<PI> — PROJ/TASK NR. 9768-37650

AFOSR 2999
STANFORD UNIV CALIF
THEORY OF RELAXATION PROCESSES IN FERROMAGNETIC INSULATORS
BY SPARKS M. — DDC NR. 285299
CHODOROW M<PI> — CONTRACT NR. AF 49(638)-415
PROJ/TASK NR. 9768-37650

AFOSR 3000
STANFORD UNIV CALIF
INTERACTION OF MICROWAVES WITH MATTER FINAL REPORT JUL 1962
BY CHODOROW M<PI> — DDC NR. 284055
CONTRACT NR. AF 49(638)-415
PROJ/TASK NR. 9768-37650

AFOSR 3003
CORNELL UNIV ITHACA N Y
MAGNETIC EFFFVTS OF GEOMAGNETICALLY TRAPPED PARTICLES MAY 1962
BY DWARKIN M. L. — DDC NR. 278650
GOLD T<PI> — CONTRACT NR. AF 49(638)-915
PROJ/TASK NR. 9768-37650

AFOSR 3004
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
KINEMATICS OF COSSERAT CONTINUA MAY 1962
BY COWIN S. C. — DDC NR.
JAUNZEMIS W — CONTRACT NR. AF AFOSR-62-115
PROJ/TASK NR. 9782-01

AFOSR 3005
POLYTECHNIC INST OF BROOKLYN N Y
ACREEP LAW TO ACCOUNT FOR MATERIAL COMPRESSIBILITY JUL 1962
BY COZZARELLI F. A. — DDC NR. 282331
VENKATRAMAN B. — CONTRACT NR. AF AFOSR 62-200
PATEL S. A. — PROJ/TASK NR. 9782-01
KEMPNER J.

AFOSR 3007
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
PART I. NUCLEATION AND GROWTH IN DEPOSITION OF METALS FROM VAPOR AND OXIDATION OF ALLOYS PART II. THE THERMODYNAMIC PROPERTIES OF SOLID GOLD-NICKEL ALLOYS FINAL REPORT JUN 1962
BY GRETZ R D — DDC NR.
POUND G M — CONTRACT NR. AF 18(600)-1572
SELLARS C M — PROJ/TASK NR. 9761-37611
SELLARS C M
MAAK F

AFOSR 3009
HUMAN SCIENCES RSCH INC ARLINGTON VA
INTEGRATION OF SMALL GROUP RESEARCH INFORMATION PROGRAM REPORT JUN 1962
BY MCGRATH J F — DDC NR.
CONTRACT NR. AF 49(638)-256
PROJ/TASK NR. 9778-02

AFOSR 3010
FRANKLIN INST SWARTHMORE PA
THE<P, P> REACTION IN EVEN ISOTOPES OF ZN, GE AND SE
NUC PHYS 27,*467-489,* 1961
BY VAN PATTER D. M. — DDC NR.
RIKMENSPOEL R. — CONTRACT NR. AF 49(638)-512
TREHAN P. N. — PROJ/TASK NR. 9751-37512

AFOSR 3011
FRANKLIN INST SWARTHMORE PA
THE PRESENT STATUS OF ATOMIC MASS DETERMINATIONS
BY DUCKWORTH H. E. — DDC NR.
VAN PATTER D. M. — CONTRACT NR. AF 49(638)-512
PROJ/TASK NR. 9751-37512

AFOSR 3012
FRANKLIN INST SWATHMORE PA
THE DECAY OF RR 78
NUC PHYS 24,*494-499,* 1961
BY RIKMENSPOEL R. — DDC NR.
VAN PATTER D. M. — CONTRACT NR. AF 49(638)-512
PROJ/TASK NR. 9751-37512

AFOSR 3013
BATTELLE MEMORIAL INST COLUMBUS O
GRAIN-BOUNDARY DIFFUSION OF GOLD IN COPPER
BY AUSTIN A F — DDC NR. 278377
RICHARD N A — CONTRACT NR. AF AFOSR-61-107
MILFORD F J<P.I.> — PROJ/TASK NR. 9761-02

AFOSR 3014
BATTELLE MEMORIAL INST COLUMBUS O
THEORETICAL SOLUTIONS OF GRAIN BOUNDARY DIFFUSION PROBLEM, APPROXIMATIONS AND INTERPRETATION OF EXPERIMENTS
BY WOOD W E — DDC NR. 288776
AUSTIN A F — CONTRACT NR. AF AFOSR 61-107
MILFORD F J — PROJ/TASK NR. 9761-02

AFOSR 3015
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
CURRENT CARRYING CAPACITY OF SUPERCONDUCTING NB-ZR SOLENOID
APPL PHYS LTRS 1 41-43 OCT 1962
BY MONTGOMERY B B — DDC NR. 282158
LOX B<P.I.> — CONTRACT NR. AF 19(604)-7344
BITTER F<P.I.> — PROJ/TASK NR. 9764-37641

AFOSR 3016
CALIFORNIA INST OF TECHNOLOGY PASADENA
A THEORETICAL STUDY OF THE SCATTERING OF ELECTROMAGNETIC IMPLUSES BY FINITE OBSTACLES JUN 1962
BYRON JR W. P. — DDC NR. 282745
CONTRACT NR. AF 18(600)-1113
PROJ/TASK NR. 9768

AFOSR 3018
MARYLAND UNIV OF, COLLEGE PARK
A NEW APPROACH TO TRANSPORT PROBLEMS IN FULLY IONIZED PLASMAS II JUN 1962
BY EDWARDS S F — DDC NR. 282196
SANDERSON J J — CONTRACT NR. AF 49(638)-401
PROJ/TASK NR. 9781-37713

AFOSR 3024
MICHIGAN UNIV OF ANN ARBOR
THE ABUNDANCE OF CERTAIN ELEMENTS IN THE SOLAR ATMOSPHERE, JUN 1962
BY ALLER L. H. — DDC NR. 282368
CONTRACT NR. AF 49(638)-807
PROJ/TASK NR. 9774-01

AFOSR 3025
CORNELL AERONAUTICAL LABORATORY INC, BUFFALO, NY
SHOCK TUNNEL STUDIES OF HIGH-ENTHALPY IONIZED AIRFLOWS JUL 1962
BY ESCHENROEDER, A Q — DDC NR. 283991
DAIBER, J W — CONTRACT NR. AF 49(638)-952
GOLIAN T C — PROJ/TASK NR. 9781-02
HERTZBERG A

AFOSR 3026
WASHINGTON UNIV OF SEATTLE
SECOND VIRIAL COEFFICIENTS OF ARGON, KRYPTON AND ARGON-KRYPTON MIXTURES AT LOW TEMPERATURES
J CHEM PHYS 36 1881-1888 APR 1962
BY FENDER B E F — DDC NR.
HALSEY JR G D — CONTRACT NR. AF 49(638)-723
PROJ/TASK NR. 9761-37610

AFOSR 3027
BROWN UNIV, PROVIDENCE, RI
JUN 1962 AN EXPERIMENTAL METHOD FOR MEASURING THE FLECTRICAL CONDUCTIVITY OF HIGH TEMPERATURE GASES
BY ANDERSON G F — DDC NR. 281876
MAEDER P F <P.I.> — CONTRACT NR. AF AFOSR 62-111
PROJ/TASK NR. 9781-37712

AFOSR 3029
WASHINGTON UNIV ST. LOUIS MISSOURI
APPLICATION OF MAGNETIC RESONANCE TO SOLID STATE PHYSICS JUN 1962
BY NORBERG R E — DDC NR. 282396
TOWNSEND J — CONTRACT NR. AF 49(638)-808
PROJ/TASK NR. 9760-02

AFOSR 3030
NORTH CAROLINA UNIV OF CHAPEL HILL
DELINEATION OF TRACKS OF HEAVY COSMIC RAYS AND NUCLEAR PROC WITHIN LARGE CRYSTALS OF SILVER CHLORIDE JUL 1962
BY CHILDS C B — DDC NR.
SLIFKIN L M — CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9760-02

AFOSR 3031
GEORGETOWN UNIV WASHINGTON D. C.
A THEORETICAL STUDY OF THE VIBRATIONAL ENERGY LEVELS OF DIATOMIC MOLECULES, FINAL REPORT JUN 1962
BY BECKEL C. L. — DDC NR.
CONTRACT NR. AF AFOSR 60-1
PROJ/TASK NR. 9751-02

AFOSR 3032
OXFORD UNIV OF ENGLAND
STUDY OF BIOCHEMISTRY OF BIOGENIC AMINES FINAL REPORT JUL 62
BY BLASCHKO H — DDC NR. 290198
CONTRACT NR. AF 61(052)-235
PROJ/TASK NR. 9777-01

AFOSR 3033
NAPLES UNIV OF ITALY
NEURAL MECHANISM OF CEREBELLAR FUNCTIONS JUN 1962 FINAL RPT
BY BRAITENBERG V — DDC NR. 290196
CONTRACT NR. AF 61(052)-96
PROJ/TASK NR. 9777-04

AFOSR 3034
STRAFFORDSHIRE UNIV COLLEGE OF NORTH ENGLAI
NEW METHODS OF ANALYSIS OF ELECTROPHYSIOL AL RESPONSES
FINAL REPORT JUN 61
BY MACKAY D M DDC NR. 278590
JEFFERES D A CONTRACT NR. AF 61<052>-364
GLOVER R R PROJ/TASK NR. 9777-04

AFOSR 3036
CALIFORNIA UNIV OF, LOS ANGELES,
ASYMPTOTIC EFFICIENCY IN POLYNOMIAL ESTIMATION
CONTRACT NR. AF AFOSR 60-24
PROJ/TASK NR. 9752-37522

AFOSR 3037
CALIFORNIA UNIV OF, LOS ANGELES
SOME PROPERTIES OF OPTIMAL SPACING IN POLYNOMIAL ESTIMATION
ANN OF INST STAT MATH 13,*1-8,*1961
BY HOEL P DDC NR.
CONTRACT NR.
PROJ/TASK NR. 9752-37522

AFOSR 3038
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SUMMABILITY METHODS AN MATRIX SPACES 1961
CAN J MATH 13,*63-77,* 1961
BY MITCHELL J M DDC NR.
CONTRACT NR. AF 49<638>-826
PROJ/TASK NR. 9752-37522

AFOSR 3040
OXFORD UNIV OF ENGLAND
RESEARCH IN THE NEURAL MECHANISMS UNDERLYING PERCEPTION
FINAL REPORT JUN 1962
BY VOWLES D M DDC NR. 288622
TINBERGEN P I NCP.I. CONTRACT NR. AF 61<052>-420
TINBERGEN P I NCP.I. CONTRACT NR. AF 61<052>-114
VOWLES D PROJ/TASK NR. 9777-04

AFOSR 3041
LONDON UNIV OF ENGLAND
CHEMICAL FACTORS IN THE EXCITATION OF CEREBRAL TISSUR 1962
BY MCILWAIN H DDC NR. 278673
CONTRACT NR. AF 61<052>-400
PROJ/TASK NR. 9777-01

AFOSR 3042
PITTSBURGH UNIV OF PA
STUDIES OF POLARON MOTION PART III THE HALL MOBILITY OF THE
SMALL POLARON
BY FRIEDMAN L DDC NR.
HOLSTEIN T CONTRACT NR. AF 49<638>-323
KEFFER F<P.I.> PROJ/TASK NR. 9760-02
DEAN C<P.I.>
ANDERSON J<P.I.>

AFOSR 3044
RENNSELAER POLYTECHNIC INST, TROY NY
ORTHOGONALITY DUALITY AND QUADRATIC-TYPE PROBLEMS IN
MATHEMATICAL PROGRAMMING JUN 1962
BY LEMKE C E DDC NR.
CONTRACT NR. AF AFOSR 62-325
PROJ/TASK NR. 9769-37658

AFOSR 3045
NORTHWESTERN UNIV EVANSTON ILLINOIS
ELECTRON DENSITY AND COLLISION FREQUENCY OF
ARC-HEATED ARGON PLASMA
BY WARDER JR R. C. DDC NR. 276909
BRODWIN M. PROJ/TASK NR. AF 49<638>-879
CAMBEL A. B. PROJ/TASK NR. 9751-37510

AFOSR 3046
NEW YORK UNIV N Y
HILL-S EQUATION, PART II, TRANSFORMATIONS,
APPROXIMATION, EXAMPLES SEP 1961
BY MAGNUS W. DDC NR.
WINKLER S. CONTRACT NR. AF 49<638>-229
KLINE M. PROJ/TASK NR. 9769-37658

AFOSR 3051
STANFORD UNIV CALIF
FUTURE LARGE RADIO TELESCOPES
NATURE 193,*812-816,* FEB 1962
BY BRACEWELL R. N. DDC NR.
CONTRACT NR. AF 18<603>-53
PROJ/TASK NR. 9768-37650

AFOSR 3053
STANFORD UNIV CALIF
PARAMAGNETIC RESONANCE MAGNETISM THERMAL
PROPERTIES AT LOW TEMPERATURE - FINAL REPORT
BY PAKE G. E. DDC NR.
CONTRACT NR. AF 18<603>-131
PROJ/TASK NR. 9751-02

AFOSR 3055
ROCHESTER UNIV OF N Y
GAS DYNAMICS ON COSMIC SCALES - FINAL RPT
BY SAVEDOFF M. P. DDC NR.
CONTRACT NR. AF 49<638>-52
PROJ/TASK NR. 9774-37663

AFOSR 3056
POLYTECHNIC INST OF BROOKLYN N Y
SOME MASS TRANSFER EFFECTS ON THE WALL JET AUG 1962
BY FOX H. DDC NR. 284698
STEIGER M. H. CONTRACT NR. AF 49<638>-217
PROJ/TASK NR. 9781-01
FERRI A<P.I>

AFOSR 3057
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
SUBSONIC FLUTTER OF PANELS ON CONTINUOUS ELASTIC
FOUNDATIONS - EXPERIMENT AND THEORY APR 1962
BY DUGUNDJI J DDC NR. 278235
DOWELL E CONTRACT NR. AF 49<638>-219
PERKIN B PROJ/TASK NR. 9782-37718
BISPLINGHOFF R L<P.I

AFOSR 3058
OHIO STATE UNIV COLUMBUS
SPIN WAVES IN AN ANTIFERROMAGNET WITH S-1/2
PHYS REV 125 1972-1974 MAR 1962
BY KORRINGA J DDC NR.
CONTRACT NR. AF 49<638>-264
PROJ/TASK NR. 9760-37601

AFOSR 3060
PITTSBURGH UNIV OF PA
HALL EFFECT IN IMPURITY CONDUCTION
PHYS REV 124 1329-1347 DEC 1961
BY HOLSTEIN T DDC NR.
KEFFER F<P.I.> CONTRACT NR. AF 49<638>-323
DEAN C<P.I.> PROJ/TASK NR. 9760-37601
ANDERSON J<P.I.>

AFOSR 3061
PITTSBURGH UNIV OF PA
THEORY OF THE MAGNETIC ANISOTROPY IN KMNF3
PHYS REV 121 695-702 FEB 1961
BY PEARSON J J DDC NR.
KEFFER F<P.I.> CONTRACT NR. AF 49<638>-323
DEAN C<P.I.> PROJ/TASK NR. 9760-37601
ANDERSON J<P.I.>

AFOSR 3062
PITTSBURGH UNIV OF PA
RIGHT-ANGLED SUPEREXCHANGE
PHYS REV LTRS 4 498-500 MAY 1960
BY CASSELMAN T N DDC NR.
KEFFER F CONTRACT NR. AF 49<638>-323
DEAN C<P.I.> PROJ/TASK NR. 9760-37601
ANDERSON J<P.I.>

AFOSR 3063
PITTSBURGH UNIV OF PA
ON THE LOW TEMPERATURE OPTICAL ABSORPTION OF COCL2 6H20,
AND CORR2, 6H20
PHIL MAG 4 219-242 FEB 1959
BY PAPPALARDO R DDC NR.
KEFFER F<P.I.> CONTRACT NR. AF 49<638>-323
DEAN C<P.I.> PROJ/TASK NR. 9760-37601
ANDERSON J<P.I.>

AFOSR 3064
COLUMBIA UNIV N Y
CORRELATION FUNCTION AND POWER SPECTRA OF RADIO
LINKS AFFECTED BY RANDOM DIELECTRIC NOISE JUN 1958
IRE TRANS ON ANTENNAS AND PROPAGATION APR 1959,*137-141
BY BUGNOLO D. S. DDC NR.
CONTRACT NR. AF 49<638>-350
PROJ/TASK NR. 9768-37650

AFOSR 3065
STANFORD UNIV CALIF
ELECTRON SCATTERING AND EFFECTIVE CHARGE JUL 1962
BY WALECKA J. D. DDC NR. 282500
WILEY R. S. CONTRACT NR. AF 49<638>-388
SCHIFF L I<PI> PROJ/TASK NR. 9750-01

AFOSR 3066
STANFORD UNIV CALIF
EXCITATION OF INDIVIDUAL-PARTICLE STATES OF
NUCLEI BY INELASTIC ELECTRON SCATTERING JUL 1962
BY WILLEY R. S. DDC NR. 282615
SCHIFF L I<PI> CONTRACT NR. AF 49<638>-388
PROJ/TASK NR. 9750-01

AFOSR 3067
PRINCETON UNIV N J
THE CONTINUM THEORY OF SPHERICAL
ELECTROSTATIC PROBES APR 1962
BY SU C. H. DDC NR. 283914
LAM S. H. CONTRACT NR. AF 49<638>-465
BOGDONOFF<PI> PROJ/TASK NR. 9781-01

AFOSR 3068
PRINCETON UNIV N J
POINT HEAT SOURCES AND THE TEMPERATURE-VORTICITY
ANALOGY IN COMPRESSIBLE BOUNDARY LAYERS MAY 1962
BY MCCROSKEY W. J. DDC NR. 284000
BOGDONOFF S<PI> CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-01

AFOSR 3069
CALIFORNIA INST OF TECHNOLOGY, PASADENA
EFFECT OF FUEL COMPOSITION ON HIGH FREQUENCY
OSCILLATIONS IN ROCKET MOTORS BURNING PREMIXED HYDROCARBON
GASES AND AIR OCT 1961
ARS J 31,*1397-1401,*OCT 1961
BY OSBORN, J R DDC NR.
BONNELL CONTRACT NR. AF 49<638>-476
COLE J D <P.I.> PROJ/TASK NR. 9781-01

AFOSR 3077
COLORADO UNIV OF BOULDER
NUCLEAR RESONANCE OF ALUMINUM IN SYNTHETIC RUBY
PHYS RFV 125 1149-1157 FEB 1962
BY VERBER C M DDC NR.
MANOR H P CONTRACT NR. AF 49<638>-611
TANTTILA W H PROJ/TASK NR. 9763-37631

AFOSR 3079
PHILLPS LABORATORIES TROINGTON-ON-HUDSON NY
COMPARISON OF VARIOUS MEASURES OF LIVE POSITION IN POWDER
DIFFRACTOMETRY ABSTRACT
AMER CRYSTALLOGRAPHIC ASSTN MTG WASH DC JAN 1960
BY LADELL J DDC NR.
MACK M CONTRACT NR. AF 49<638>-620
PARRISH W PROJ/TASK NR. 9763-37631
TAYLOR J

AFOSR 3080
PHILIPS LABORATORIES IRVINGTON-ON-HUDOSN NY
PRESENT STATUS OF PRECISION LATTICE PARAMETER DETERMINATION
BY COUNTER DIFFRACTOMETRY
ACTA CRYSTALLOGRAPHICA 13 992-1960
BY PARRISH W DDC NR.
LADELL J CONTRACT NR. AF 49<638>-620
PROJ/TASK NR. 9763-37631

AFOSR 3081
PHILIPS LABLRATORIES IRVINGTON-ON-HUDSON NY
THE LORENTZ FACTOR IN POWDER DIFFRACTION
ACTA CRYST 14 53-54 1961
BY PIKE E R — DDC NR.
LADELL J — CONTRACT NR. AF 49(638)-620
PARRISH W(P,I.) — PROJ/TASK NR. 9763-37631

AFOSR 3082
PHILLIPS LABORATORIES IRVINGTON-ON HUDSON NY
RESEARCH ON X-RAY DETERMINATION OF PRECISION LATTICE PARAMETERS JUN 1962 FINAL REPORT
BY PARRISH W — DDC NR.
MACK M — CONTRACT NR. AF 49(638)-620
TAYLOR J — PROJ/TASK NR. 9763-02

AFOSR 3085
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SIMILARITY SOLUTION FOR A CYLINDRICAL SHOCK-MAGNETIC FIELD INTERACTION
PHYS FLUIDS 5 255-259 MAR 1962
BY GREENSPAN H P — DDC NR.
WHITHAM G B(P,I.) — CONTRACT NR. AF 49(638)-708
PROJ/TASK NR. 9783-37727

AFOSR 3087
MICHIGAN UNIV OF ANN ARBOR
A SEARCH FOR BALL STARS
ASTRON SOC OF THE PACIFIC, PUBLICATIONS 74,*79-81,* FEB 1962
BY COWLEY A. P. — DDC NR.
COWLEY C. R. — CONTRACT NR. AF 49(638)-807
ALLER L H(PI) — PROJ/TASK NR. 9774-01

AFOSR 3088
TORONTO UNIV OF CANADA
A HIGH-SPEED MULTI-SOURCE SPARK CAMERA FEB 1962
BY DELEEUW J. H. — DDC NR.
GLASS I. I. — CONTRACT NR. AF 49(638)-823
HEUCKROTH L. E. — PROJ/TASK NR. 9781-01

AFOSR 3091
HEBREW UNIV JERUSALEM ISRAEL
RATIOS OF RELATIVE ABUNDANCE, MAGNETIC MOMENTS AND CAPTURE CROSS SECTIONS OF GADOLINIUM ISOTOPES FROM PARAMAGNETIC RESONANCE SPECTRUM NOV 1958
PHYS REV 115 424-426 JUL 1959
BY LOW W — DDC NR.
SHALTIEL D — CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3092
HEBREW UNIV JERUSALEM ISRAEL
EFFECT OF THERMAL TREATMENT OF PARAMAGNETIC RESONANCE SPECT OF RARE EARTH IMPURITIES IN CALCIUM FLUORIDE
J CHEM PHYS 33 1275-1275 OCT 1960
BY FRIEDMAN E — DDC NR.
LOW W — CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3093
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRUM OF DYSPROSIUM IN THE CUBIC FIELD OF CALCIUM FLUORIDE
PROC PHYS SOC 76 307-308 1960
BY LOW W — DDC NR.
CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3094
HEBREW UNIV OF JERUSALEM ISRAEL
PULSED FIELD MEASUREMENTS OF LARGE ZERO-FIELD SPLITTINGS V3 IN AL2O3
PHYS REV 120 1585-1588 DEC 1960
BY FONER S — DDC NR.
LOW W — CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3095
HEBREW UNIV JERUSALEM ISRAEL
ABSORPTION LINES OF CR3G IN RUBY
J CHEM PHYS 33 1162-1163 OCT 1960
BY LOW W — DDC NR.
CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3096
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRA OF IMPURITIES IN CALCIUM FLUORIDE 1959
PROC PHYS SOC 75 136-138 1960
BY DVIR M — DDC NR.
LOW W — CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3097
HEBREW UNIV JERUSALEM ISRAEL
OPTICAL SPECTRA OF EU2G AND GD3G IN CAF2
NUOVO CIM SER X 17 607-608 AUG 1960
BY LOW W — DDC NR.
CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3098
HEBREW UNIV JERUSALEM ISRAEL
PARAMAGNETIC RESONANCE SPECTRA OF F3 IONS IN A CUBIC SITE
PHYS REV 122 1390-1392 JUN 1961
BY VINCOW G — DDC NR.
LOW W — CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3099
HEBREW UNIV JERUSALEM ISRAEL
ANISOTROPIC BROADENING OF LINEWIDTH IN THE PARAMAGNETIC RESONANCE SPECTRA OF MAGNETICALLY DILUTE CRYSTALS
PHYS REV 124 1062-1067 NOV 1960
BY SHALTIEL D — DDC NR.
LOW W — CONTRACT NR. AF 61(052)-59
PROJ/TASK NR. 9763-37631

AFOSR 3100
VIENNA UNIV AUSTRIA
ON A POSSIBLE E-PI RESONANCE JUNE 1962
BY BALACHANDRAN A P — DDC NR. 289427
PIETSCHMANN H — CONTRACT NR. AF 61(052)-265
THIRRING W E(P,I.) — PROJ/TASK NR. 9751-37512

AFOSR 3101
IST SUPERIOREDI SANITA REME ITALY
EFFECT OF DRUGS ON CENTRAL NERVOUS SYSTEM NEURONES ANN SUMM REPORT NR 2 1962
BY LONGO V G — DDC NR. 288496
CONTRACT NR. AF 61(052)-399
PROJ/TASK NR. 9777-01

AFOSR 3102
VIENNA UNIV AUSTRIA
ELASTIC SCATTERING OF NEGATIVE PIONS AT 16 BEV/C
BY CZAPEK G — DDC NR. 288492
KELLNER G — CONTRACT NR. AF 61(052)-433
OTTER G — PROJ/TASK NR. 9751-37512
ZWINTZ H
THIRRING W E(P,I.)

AFOSR 3103
NAPLES UNIV OF ITALY
SELF-COUPLED MESON FIELD EQUATIONS FOR SINGLE PROPAGATORS, THEIR SOLUTION FOR A NUMERICAL MODEL, CONSIDERATIONS ON THE CONVERGENCE OF PERTURBATIVE EXPANSIONS JUL 1962
BY CAINAIELLO E R — DDC NR. 281803
CAMPOLATTARO A — CONTRACT NR. AF 61(052)-434
PROJ/TASK NR. 9763-37631

AFOSR 3104
PARIS UNIV OF FRANCE
HYPERFINE STRUCTURE OF -MESIC ATOMS JULY 1962
BY LF AFLLAC M. — DDC NR. 282109
MICHEL L(PI) — CONTRACT NR. AF 61(052)-474
PROJ/TASK NR. 9750-37500

AFOSR 3105
PARIS UNIV OF FRANCE
THOMAS-o CLASSICAL THEORY OF SPIN JUL 1962
BY SACRY H. — DDC NR. 282098
MICHEL L(PI) — CONTRACT NR. AF 61(052)-474
PROJ/TASK NR. 9750-37500

AFOSR 3106
INST DE RECH NUCLEAIRES, STRASBOURG-CRONENGOURG, FRANCE
TRANSITIONS ELECTROMAGNETIQUES 8, 88 MEV 6,06 PEV DANS 160 JUL 1962
BY GORODETZKY S — DDC NR.
MENNRATH P — CONTRACT NR. AF 61(052)-598
BENESON W — PROJ/TASK NR. 9751-03
CHEVALLIFR P
SCHEIRLING F
SUTTER G

AFOSR 3107
GEORGETOWN UNIV WASHINGTON D C
POWER SERIES EXPANSIONS OF VIBRATIONAL POTENTIALS. I. THE HEITLER-LONDON POTENTIAL FOR H2
J CHEM PHYS 33,*1885-1886,* DEC 1960
BY BECKEL C. L. — DDC NR.
CONTRACT NR. AF AFOSR 60-1
PROJ/TASK NR. 9751-02

AFOSR 3108
TECHNISCHE HOCHSCHULE, MUNICH, GERMANY
ON THE CONVERGENCE OF CHARACTERISTIC FINITE-DIFFERENCE METHODS OF HIGH ACCURACY FOR QUASI-LINEAR HYPERBOLIC EQUATIONS
NUM MATH 3,*321-344,* 1961
BY STETTER H. J. — DDC NR.
SAUER R. — CONTRACT NR. AF EOAR 61-21
PROJ/TASK NR. 9781-37712

AFOSR 3109
MARYLAND UNIV OF, COLLEGE PARK
COMMENTS ON A PAPER BY P D GRANNIS, ELECTROSTATIC EROSION MECHANISMS
JGEOPHYS RSCH 67,*2586-2587,*JUN 1962
BY WALKER E H — DDC NR.
CONTRACT NR. AF AFOSR 61-57
PROJ/TASK NR. 9781-37713

AFOSR 3110
MARYLAND UNIV OF, COLLEGE PARK
PHOTOELECTRIC SCREENING OF BODIES IN INTERPLANETARY SPACE
ICARUS 1,*7-12,*MAY 1962
BY SINGER, S F — DDC NR.
WALKER E H — CONTRACT NR. AF AFOSR 61-57
PROJ/TASK NR. 9781-37713

AFOSR 3111
SYDNEY UNIV OF AUSTRALIA
FINAL REPORT
BY MCCUSKER C B A — DDC NR. 289433
CONTRACT NR. AF-AFOSR 61-92
PROJ/TASK NR. 9774-02

AFOSR 3112
MCMASTER UNIV HAMILTON ONTARIO CANADA
OXIDATION OF METALS BY SHORT CIRCUIT AND LATTICE DIFFUSION OF OXYGEN
ACTA METALLURGICA 9 880-885 SEP 1961
BY SMELTZER W W — DDC NR.
HAERING R R — CONTRACT NR. AF AFOSR 61-108
KIRKALDY J S — PROJ/TASK NR. 9761-02

AFOSR 3119
CASE INST OF TECHNOLOGY CLEVELAND O
LOW-FIELD DE HAAS-VAN ALPHEN EFFECT IN ZINC
PHYS RFV 489-497 APR 1962
BY JOSEPH A S — DDC NR.
GORDON W L — CONTRACT NR. AF AFOSR 62-222
ECK T G(P ,I.) — PROJ/TASK NR. 9760-02

AFOSR 3120
CASE INST OF TECHNOLOGY CLEVELAND O
MAGNETORESISTANCE INVESTIGATION OF THE FERMI SURFACE OF MAGNESIUM
PHYS REV LTRS 8 360-362 MAY 1962
BY STARK R W
ECK T G
GORDON W L
MOAZED F
DDC NR.
CONTRACT NR. AF AFOSR 62-222
PROJ/TASK NR. 9760-02

AFOSR 3121
CALIFORNIA INST OF TECHNOLOGY PASADENA
JUL 1962 FLUTTER OF A RING OF PANELS
BY STEARMAN R O
SECHLER EE <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-220
PROJ/TASK NR. 9782-01

AFOSR 3122
CALIFORNIA INST OF TECHNOLOGY, PASADENA
ON CORRUGATION STIFFENED PANELS JUN 1962
BY FUNG Y. C.
SECHLER E E <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-220
PROJ/TASK NR. 9782-01

AFOSR 3123
CALIFORNIA INST OF TECHNOLOGY PASADENA
JUN 1962 SOME NONLINEAR VIBRATIONS AND RESPONSE PROBLEMS OF CYLINDRICAL PANELS AND SHELLS
BY CUMMINGS B. E.
SECHLER E E <P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-220
PROJ/TASK NR. 9782-01

AFOSR 3125
ILLINOIS UNIV OF URBANA
DETERMINATION OF GLUCOSE IN BLOOD SERUM BY A NEW RAPID AND SPECIFIC AUTOMATIC SYSTEM
ANAL CHEM 32 394-398 MAR 1960
BY MALMSTADT H V
HICKS G P
DDC NR.
CONTRACT NR. AF 18<603>-137
PROJ/TASK NR. 9763-37630

AFOSR 3126
SPERRY RAND CORP REMINGTON RAND UNIVAC DIV PHILADELPHIA PA
OPTIMIZATION AND STANDARDIZATION OF INFORMATION RETRIEVAL LANGUAGE AND SYSTEMS FINAL REPORT JUL 1962
BY KASKEY G
EDELMAN N
FOSSUM E G
REED A W
STEINBERG L
SCHWARTZ P D
SCHULTZ C K<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-835
PROJ/TASK NR. 9769-02

AFOSR 3127
GEORGETOWN UNIV WASHINGTON D C
POWER SERIES EXPLANSIONS OF VIBRATIONAL POTENTIALS. II. TWO CLASSICAL POTENTIALS FOR IONIC MOLECULES
J CHEM PHYS 33,*1887-1888,* DEC 1960
BY FINN C. J.
BECKEL C. L.
DDC NR.
CONTRACT NR. AF AFOSR 60-1
PROJ/TASK NR. 9751-02

AFOSR 3128
STOCKHOLM UNIV OF SWEDEN
ANNIHILATION OF 1.3 GEV ANTIPROTONS IN COMPLEX NUCLEI
ARKIV FOR FYSIK 22 193-217 MAR 1962
BY RONNE B E
CARLSON P J
DANIELDSON O
ROWLAND F S<P.I.>
EKSPONG A G
DDC NR.
CONTRACT NR. AF EOAR 62-15
PROJ/TASK NR. 9750-01

AFOSR 3129
STOCKHOLM UNIV OF SWEDEN
INTERACTION OF 2 GEV NEGATIVE MESONS WITH EMULSION NUCLEI
ARKIV FOR FYSIK 22 175-191 FEB 1962
BY RONNE B E
DANIELSSON O
EKSPONG A G<P.I.>
DDC NR.
CONTRACT NR. AF AFOSR-62-15
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AFOSR 3130
UNIV OF STOCKHOLM
K- ABSORPTION IN NUCLEI AND THE SIGMA HYPERON PION RESONANC Y*
BY FRISK A
EKSPONG A G<P.I.>
DDC NR.
CONTRACT NR. AF-EOAR 62-15
PROJ/TASK NR. 9750-01

AFOSR 3131
HEBREW UNIV JERUSALEM ISRAEL
EXTENSION OF COMPACT OPERATORS I MAY 1962
BY LINDENSTRAUSS J
AGMON S.
DDC NR. 281928
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-03

AFOSR 3132
HEBREW UNIV JERUSALEM ISRAEL
EXTENSION OF COMPACT OPERATORS II JUN 1962
BY LINDENSTRAUSS J.
AGMON S.
DDC NR. 281929
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-03

AFOSR 3133
HEBREW UNIV JERUSALEM ISRAEL
EXTENSION OF COMPACT OPERATORS III JUL 1962
BY LINDENSTRAUSS J.
AGMON S.
DDC NR. 281930
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-03

AFOSR 3134
HEBREW UNIV JERUSALEM ISRAEL
CONVEXITY THEOREMS AND LOWER BOUNDS FOR SOLUTIONS OF DIFFERENTIAL EQUATIONS IN BANACH SPACE JUN 1962
BY AGMON S.
NIRENBERG L
DDC NR. 281931
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-03

AFOSR 3135
UPPSALA UNIV OF SWEDEN
INORGANIC ADDUCT MOLECULES OF OXO-COMPOUNDS FINAL REPORT
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BY LINDQVIST I
DDC NR. 281904
CONTRACT NR. AF 61<052>-43
PROJ/TASK NR. 9760-37600

AFOSR 3136
WISCONSIN UNIV MADISON
THE EFFECT OF SOLVENT ON SPECTRA. VII. THE METHYL EFFECT IN THE SPECTRA OF DIHYDROPYRIDINES
JACS 83 3314-3319 AUG 196U
BY HOFMANN D
KOSOWER E M
WALLENFELS K
DDC NR.
CONTRACT NR. AF 49<638>-282
PROJ/TASK NR. 9760-37600

AFOSR 3137
WASHINGTON UNIV OF ST LOUIS MO
POLARIZATION OF PROTONS IN C12 <D,P>C13
PHYS REV 125 941-FEB 1962
BY ALLAS R G
SHULL F B
FEENBERG E<P.I.>
CONDON E U<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-834
PROJ/TASK NR. 9751-37512

AFOSR 3144
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SOME EXACT SOLUTIONS OF MAGNETO-HYDRODYNAMIC VISCOUS FLOW PROBLEMS
J MATH & PHYS JUN 1962 41 116-131
BY GREENSPAN H P
PELETIER L A
WHITHAM G B<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-708
PROJ/TASK NR. 9783-37727

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RIAS INC BALTIMORE MD
SOM EPHYSICAL SOLUTIONS OF DIRAC-TYPE EQUATIONS
J MATH PHYS 3 70-74 JAN-FEB 1962
BY HALE J K
STOKES A P
LEFSCHETZ S<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-382
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AFOSR 3146
NORTH AMERICAN AVIATION DOWNEY CALIF
EFFECTS OF FREE-STREAM TURBULENCE AND PRESSURE GRADIENT ON BOUNDARY LAYER TRANSITION MAY 1962
BY VAN DRIEST E. R
BLUMER C. B.
DDC NR.
CONTRACT NR. AF 49<638>-250
PROJ/TASK NR. 9781-01

AFOSR 3147
PENNA UNIV OF PHILADELPHIA
RESEARCH ON SCATTERING AND POLARIZATION OF ELECTRONS UNDER THE G FACTORS OF THE FREE ELECTRON FINAL REPORT
BY MANN A. K.
DDC NR.
CONTRACT NR. AF 49<638>-537
PROJ/TASK NR. 9751-03

AFOSR 3153
FLORIDA STATE UNIV TALLAHASSEE
GENERALIZED FIBONACCI NUMBERS AND ASSOCIATED MATRICES
AM MATH MONTHLY 67 745-752 OCT 1960
BY MILES JR. E P
DDC NR.
CONTRACT NR. AF-AFOSR-61-12
PROJ/TASK NR. 9752-37522

AFOSR 3154
FLORIDA STATE UNIV TALLAHASSEE
MATRIX SLIDE RULES
AMER MATH MONTHLY 67 788-791 OCT 1960
BY MILES JR E P
DDC NR.
CONTRACT NR. AF AFOSR-61-12
PROJ/TASK NR. 9752-37522

AFOSR 3155
MARYLAND UNIV COLLEGE PARK
BOUNDS FOR EIGENVALUES OF THE STURM-LIOUVILLE PROBLEM BY FINITE DIFFERENCE METHODS
ARCH RAT MECH & ANAL 1962
BY HUBBARD B F
DIAZ J B<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-05

AFOSR 3156
MARYLAND UNIV OF COLLEGE PARK
ON A MIXED BOUNDARYPVALUE PROBLEM FOR LINEAR HYPERBOLIC PARTIAL DIFFERENTIAL EQUATIONS IN TWO INDEPENDENT VARIABLES
ARCH RAT MECH & ANAL 10 1-28 1962
BY AZIA A K
DIAZ J B
DDC NR.
CONTRACT NR. AF 49<638>-228
PROJ/TASK NR. 9783-05

AFOSR 3157
STANFORD UNIV CALIF
A COMPARISON OF QUEUE DISCIPLINES WHEN SERVICE ORIENTATION TIMES OCCUR JUL 1962
BY GAVER JR D P
DDC NR.
CONTRACT NR. NONR-225<52>
PROJ/TASK NR.

AFOSR 3158
STANFORD UNIV CALFI
CONTINUOUS TIME STOCHASTIC STORAGE PROCESSES WITH RANDOM LINEAR INPUTS AND OUTPUTS SEP 1960
BY MILLER JR R G
DDC NR.
CONTRACT NR. NONR 225.52#
PROJ/TASK NR.

AFOSR 3159
VIENNA UNIV AUSTRIA
HIGH ENERGY PHYSICS, ANNUAL SUMMARY REPORT NR1 JUN 1962
BY THIRRING W F
DDC NR. 289487
CONTRACT NR. AF 61<052>-433
PROJ/TASK NR. 9751-37512

AFOSR 3160
PARIS UNIV OF FRANCE
JUNE 1962 SOME REMARKS ON K&2 AND K&E4 DECAYS
BY CHADAN K — DDC NR. 289414
RENARD R M — CONTRACT NR. AF EOAR-62-10
PROJ/TASK NR. 9750-9750-01

AFOSR 3161
NOBEL INST FOR PHYSICS, SWEDEN
INVESTIGATIONS OF GAMMA RADIATION FROM NUCLEAR REACTIONS JUL 1962
BY MALMFORS K. G. — DDC NR.
CONTRACT NR. AF EOAR 61-8
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AFOSR 3162
CASE INST OF TECHNOLOGY, CLEVELAND, O
MAY 1962 RECURRENCE RELATIONS FOR THE FIRST TWO INVERSE MOMENTS OF THE POSITIVE BINOMIAL VARIABLE
BY GOVINDARAJULU Z — DDC NR. 285527
LEONE F C <P.I.> — CONTRACT NR. AF AFOSR 62-72
PROJ/TASK NR. 9783-37727

AFOSR 3163
CASE INST OF TECHNOLOGY, CLEVELAND, O
MAY 1962 THE FIRST TWO MOMENTS OF THE RECIPROCAL OF THE POSITIVE HYPERGEOMETRIC VARIABLE
BY GOVINDARAJULU Z — DDC NR. 281730
LEONE F C <P.I.> — CONTRACT NR. AF AFOSR-62-72
PROJ/TASK NR. 9783-37727

AFOSR 3164
CASE INST OF TECHNOLOGY, CLEVELAND, O
JUNE 1962 EXACT POWER OF SOME TWO-SAMPLE AND C-SAMPLE NON-PARAMETRIC STATISTICAL PROCEDURES, A THESIS
BY HAYNAM G E — DDC NR.
LEONE F C <P.I.> — CONTRACT NR. AF AFOSR 62-72
PROJ/TASK NR. 9783-37727

AFOSR 3165
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
JUL 1962 ON RANDOM VIBRATION OF SYSTEMS WITH NONLINEAR DAMPING, A THESIS
BY KHABBAZ G R — DDC NR.
CONTRACT NR. AF 49<638>-564
PROJ/TASK NR. 9782-37718

AFOSR 3166
SYDNEY UNIV AUSTRALIA
A COMPARISON OF PION AND NUCLEAR INTERACTIONS IN EMULSION AT ENERGIES BETWEEN 1011 AND 1013 EV
J PHYS SOC OF JAPAN 17 SUPPLA-III 403-404 1962
BY BRISBOUT F A — DDC NR.
GAULD C — CONTRACT NR. AF 49<638>-842
MCCUSKER C B A — PROJ/TASK NR. 9774-37665
PFAK L S
VAN LOON L G
MALOS J
NISHIKAWA K

AFOSR 3167
SYDNEY UNIV AUSTRALIA
EXTENSIVE AIR SHOWER WORK IN AUSTRALIA
J PHYS SOC OF JAPAN 17 SUPPLA III 293-299 1962
BY MCCUSKER C B A — DDC NR.
CONTRACT NR. AF 49<638>-842
PROJ/TASK NR. 9774-37665

AFOSR 3168
WEIZMANN INST OF SCI, REHOVOTH, ISRAEL
11S, 21S AND 23S STATES OF LI
PHYS REV 126,•143-145,• APR 1962
BY PEKERIS C. L. — DDC NR.
CONTRACT NR. AF 61<052>-510
PROJ/TASK NR. 9751-37511

AFOSR 3169
WEIZMANN INST OF SCI, REHOVOTH, ISRAEL
11S, 21S AND23S STATES OF H AND OF HE
PHYS REV 126,•147-1476,• MAY 1962
BY PEKERIS C. L. — DDC NR. — AF 61<052>-510
PROJ/TASK NR. 9751-37511

AFOSR 3170
FRANKLIN INST SWARTHMORE, PENNA
DECAY OF 18-MIN BR 80
PHYS REV 126,•266-271,• APR 1962
BY TREMAN P. N. — DDC NR.
VAN PATTER D. M. — CONTRACT NR. AF 49<638>-512
PROJ/TASK NR. 9751-37512

AFOSR 3171
YALE UNIV NEW HAVEN CONN
EXCITON STRUCTURE AND ZEEMAN EFFECTS IN CADMIUM SELENIDE
PHYS REV 125 1805-1815 PAR 1962
BY WHEELER R G — DDC NR.
DIMMOCK J O — CONTRACT NR. AF 49<638>-503
PROJ/TASK NR. 9760-37601

AFOSR 3172
ARMOUR RSCH FOUND, CHICAGO, ILL
JUNE 1962 DISCRIMINATORY ANALYSIS APPLIED TO CLASSIFICATION OF SEISMIC PHENOMENA FINAL REPORT
BY UNGAR A <P.I.> — DDC NR.
CONTRACT NR. AF 49<638>-1066
PROJ/TASK NR. 8652

AFOSR 3174
WISCONSIN UNIV MADISON
PYRIDINIUM COMPLEXES, II. THE NATURE OF THE INTERMEDIATE IN THE DITHIONITE REDUCTION OF DIPHOSPHOPYRIDINE NUCLEOTIDE DP
JACS 82 2191-2194 MAY 1960
BY KOSOWER E M — DDC NR.
BAUER S W — CONTRACT NR. AF 49<638>-282
PROJ/TASK NR. 9760-37600

AFOSR 3175
WASHINGTON UNIV OF SEATTLE
ALKENYLBORANES. II. IMPROVED PREPARATIVE METHODS AND NEW OBSERVATIONS ON METHYLVINYLBORANES1
JACS 84 1162-1167 APR 1962
BY GOOD C D — DDC NR.
RITTER J M — CONTRACT NR. AF 18<600>-1541
PROJ/TASK NR. 9762-37620

AFOSR 3177
LUND UNIV SWEDEN
THE RELATIVE ABUNDANCE OF NUCLEI HEAVIER THAN LITHIUM IN PRIMARY COSMIC RADIATION FINAL REPORT JUN 1962
BY KRISTIANSSON K — DDC NR. 282243
MATHIESEN O — CONTRACT NR. AF EOAR 61-37
STENMAN A — PROJ/TASK NR. 9774-37665

AFOSR 3178
CATHOLIC UNIV OF RIO DE JANEIRO BRAZIL
CHARGE STORAGE AND IRRADIATION EFFECTS IN SOLID DIELECTRICS
FINAL REPORT JUL 1962
BY MURPHY P V — DDC NR.
CONTRACT NR. AF-AFOSR 61-140
PROJ/TASK NR. 9763-37631

AFOSR 3179
GOTEBORG UNIV SWEDEN
TABLES OF NORMAL AND LOG-NORMAL RANDOM DEVIATES 1962
BY HYRENIUS H — DDC NR. 282196
BY — DDC NR. 282195
GUSTAFSSON R — CONTRACT NR. AF 61<052>-459
PROJ/TASK NR. 9752-37522

AFOSR 3181
STANFORD UNIV CALIF
ACCOMMODATION OF SECOND-CLASS TRAFFIC
BY GAVER JR D P — DDC NR.
CONTRACT NR. NONR-225<52>
PROJ/TASK NR.

AFOSR 3182
ILLINOIS UNIV OF URBANA
RESEARCH ON THE PHOTOPRODUCTION OF MESONS IN LIQUID HYDROGEN BUBBLE CHAMBER FINAL REPORT MAY 1962
BY GOLDWASSER E. L. — DDC NR. 283452
CONTRACT NR. AF 49<638>-594
PROJ/TASK NR. 9751-03

AFOSR 3183
CATOLICA UNIV DE CHILE, SANTIAGO
EFFECT OF VASOPRESSIN STRUCTURAL MODIFICATIONS ON RAT RENAL EXCRETION OF NA, K AND WATER
AMER J PHYSIOL 202 593-596 MAR 1962
BY BARNAFI L — DDC NR.
ROSAS R — CONTRACT NR. AF 49<638>-584
PEREDA T — PROJ/TASK NR. 9777-37701
CROXATTO H

AFOSR 3184
CALIFORNIA UNIV OF BERKELEY
NOTES ON SYSTEM THEORY, V.II FEB 1962
BY JURY E I<P<2.> — DDC NR.
PEDERSON D <P .I.> — CONTRACT NR. AF AFOSR 62-70
PEDERSON D <P .I.> — CONTRACT NR. AF AFOSR 62-340
WHINNERY J<P.I.> — PROJ/TASK NR. 9768-37650
WHINNERY J<P.I.> — PROJ/TASK NR. 4751

AFOSR 3187
HEBREW UNIV JERUSALEM ISRAEL
MIXED PROBLEMS FOR HIGHER ORDER HYPERBOLIC EQUATIONS MAY 1962
BY AGMON S. — DDC NR. 282425
CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-03

AFOSR 3188
THE HEBREW U JERUSALEM, ISRAEL
CONTRACTIONS AND THEIR QUADRATIC FORMS JUN 1962
BY FOGUEL S. R. — DDC NR. 282441
AGMON S. — CONTRACT NR. AF 61<052>-187

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HEBREW UNIV JERUSALEM ISRAEL
COMPLEX FUNCTION THEORY OVER NON-ARCHIMEDEAN FIELDS JUN 1962
BY ROBINSON A. — DDC NR. 282416
AGMON S<PI> — CONTRACT NR. AF 61<052>-187
PROJ/TASK NR. 9752-03

AFOSR 3190
TECHNISCHE HOCHSCHULE MUNICH GERM
FINITE-DIFFERENCE METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS FINAL REPORT JUN 1962
BY SAUER R — DDC NR. 282452
CONTRACT NR. AF EOAR 61-21
PROJ/TASK NR. 9781-01

AFOSR 3191
HERMANN FOETTINGER INST BERLIN GERM
MAY 1962 VORTEX DEVELOPMENT IN A SEPARATED BOUNDARY LAYER
BY SCHADE H — DDC NR. 282426
MICHALKE A — CONTRACT NR. AF 61<052>-412
PROJ/TASK NR.

AFOSR 3192
ISRAEL INST OF TECHNOLOGY HAIFA ISRAEL
THE EULER-LAGRANGE EQUATIONS AND THE CURVILINEAR DERIVATIVE
BUL TSCH COUNCIL OF ISRAEL 11C 83-88 APR 1962
BY KARNI Z — DDC NR.
CONTRACT NR. AF EOAR 62-57
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AFOSR 3193
STRASBOURG U FRANCE
TRANSITIONS ELECTROMAGNETIQUES 6.92 MEV 6.06 MEV ET 7.12 MEV DANS LE O16 ELECTROMAGNETIC TRANSITIONS 6.92 PEV TO 6.06 7EV AND 7.12 MEV TO 6.06 MEV IN OXYGEN 16
PHYSICS LTRS 1 14-16 APR 1962
BY GORODETZKY S — DDC NR.
MENNRATH P — CONTRACT NR. AF 61<052>-598
SCHEIBLING F — PROJ/TASK NR. 9751-03
SUTTER G
CHEVALLIER P

AFOSR 3194
STRASBOURG U FRANCE
MULTIPOLARITY OF THE 2.14 MEV TRANSITION IN BORON-11 DE LA TRANSITION DE 2.14 MEV DANS LE 11B
PHYSICS LTRS 24-25 APR 1962
BY GORODETZKY S; SCHEIDLING F; CHEVALLIER P; MENNRATH P; SUTTER G
DDC NR.
CONTRACT NR. AF 61(052)-598
PROJ/TASK NR. 9751-03

AFOSR 3195
LOUVAIN UNIV OF BELGIUM
DYNAMIC BEHAVIOR OF PLATES UNDER THERMAL STRESS FINAL REPOR MAR 1962
BY BUCKENS F
DDC NR. 288431
CONTRACT NR. AF 61(052)-499
PROJ/TASK NR. 9782-37717

AFOSR 3196
INST NACIONAL DE TECNICA AERONAUTICA MADRID SPAIN
ON THE STRUCTURE OF PREMIXED AND DIFFUSION LAMINAR SPHERICO-SYMMETRICAL FLAMES JUL 1962
BY PEREZ DEL NOTARIO P.; TARIFA C. S.
DDC NR. 282387
CONTRACT NR. AF EOAR 62-90
PROJ/TASK NR. 9751-01

AFOSR 3197
INST NACIONAL DE TECNICA AERONAUTICA MADRID, SPAIN
COMBUSTION OF SOLID AND LIQUID PROPELLANTS AND FLAME THEORY JUL 1962
BY TARIFA C. S.; MILLAN G.
DDC NR. 282440
CONTRACT NR. AF 61(052)-221
PROJ/TASK NR. 9751-37510

AFOSR 3198
POLYTECHNIC INST OF BROOKLYN N Y
ON THE DISTRIBUTION OF ENTROPY WITHIN THE STRUCTURE OF A NORMAL SHOCK WAVE AUG 1962
CHEMICAL ENGR IN SPACE TECHNOLOGY SYMPOSIUM NEW ORLEANS, LOUISIANA 9/10-13/62
BY MORDUCHOW M.; LIBBY P. A.; FERRI A(PI)
DDC NR. 284699
CONTRACT NR. AF 49(638)-217
CONTRACT NR. AF 49(638)-445
PROJ/TASK NR. 9781-01

AFOSR 3199
INDIANA U BLOOMINGTON
QUANTUM MECHANICAL STUDIES OF THE NATURE AND INTERACTIONS SIMPLE ATOMS AND MOLECULES FINAL REPORT 1962
BY SHULL H; HAGSTROM S
DDC NR.
CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 3200
AEROJET-GENERAL CORP, AZUSA, CORP
KINETICS OF RECOMBINATION PROCESSES JUL 1962
BY KRETSCHMER C. B.
DDC NR. 283043
CONTRACT NR. AF 49(638)-540
PROJ/TASK NR. 9750-37501

AFOSR 3201
COLUMBIA UNIV N Y
RADIO ASTRONOMY AT MILLIMETER WAVELENGTH APR 1962
BY TOWNES C H(PI)
DDC NR.
CONTRACT NR. AF 49(638)-631
PROJ/TASK NR. 9776-37663

AFOSR 3202
AEROJET-GENERAL CORP, AZUSA, CALIF
INVESTIGATION OF CHARGED COLLOID PROPULSION SYSTEM
BY HINRICHS C. H.; EDMONSON R. E.
DDC NR.
CONTRACT NR. AF 49(638)-656
PROJ/TASK NR. 9752-37521

AFOSR 3208
CALIFORNIA INST OF TECHNOLOGY PASADENA
STABILITY OF THE COMPRESSIBLE LAMINAR BOUNDARY LAYER
BY LEES L; RESHOTKO E
DDC NR.
CONTRACT NR. AF AFOSR 62-29
PROJ/TASK NR. 9781-37712

AFOSR 3209
AEROCHEM RSCH LABORATORIES INC PRINCETON, N J
CATALYTIC PROBES FOR THE DETERMINATION OF ATOM CONCENTRATIONS IN HIGH SPEED GAS STREAMS
ARS J 32,(1069-1073,) JUL 1962
BY ROSNER D. E.; CALCATE H F(PI)
DDC NR.
CONTRACT NR. AF 49(638)-300
PROJ/TASK NR. 9752-37521

AFOSR 3210
CATOLICA UNIV RIO DE JANEIRO BRAZIL
GAMMA IRRADIATION EFFECTS ON ELECTRETS
PHYS REV 126 930-932 MAY 1962
BY GROSS B; DE MORAES R J
DDC NR.
CONTRACT NR. AF AFOSR 60-6
PROJ/TASK NR. 9763-37631

AFOSR 3211
CALIFORNIA, UNIV OF BERKELEY
IMPORTANCE OF ANGULAR CORRELATIONS BETWEEN ATOMIC ELECTRONS
PHYS REV 126,(1019-1019,) MAY 1962
BY SCHWARTZ C.; WATSON K M(PI)
DDC NR.
CONTRACT NR. AF AFOSR 62-121
PROJ/TASK NR.

AFOSR 3212
TEXAS A&M, COLLEGE STATION
NUCLEAR MAGNETIC RELAXATION OF A THREE-SPIN ASYMMETRIC MOLECULE IN A LIQUID
PHYS REV 126,(1054-1056,) MAY 1962
BY KATTAWAR G. W.; EISNER M.
DDC NR.
CONTRACT NR. AF AFOSR 62-151
PROJ/TASK NR. 9751-02

AFOSR 3213
WEIZMANN INST OF SCI REHOVOTH ISRAEL
FINE STRUCTURE OF THE 2 3P AND 3 3P STATES OF HELIUM
PHYS REV 126,(1057-1058,) MAY 1962
BY PEKERIS C. L.; SCHIFF B.; LIFSON H(PI)
DDC NR.
CONTRACT NR. AF 61(052)-510
PROJ/TASK NR. 9751-37511

AFOSR 3214
SYRACUSE UNIV NY
ASYMPTOTIC PROPERTIES OF A SYSTEM WITH NOZERO TOTAL MASS
PHYS REV 126 1227-1231 MAY 1962
BY BERGMANN P G; ROBINSON I; SCHUCKING E
DDC NR.
CONTRACT NR. AF AFOSR 62-36
PROJ/TASK NR. 9750-01

AFOSR 3215
PRINCETON UNIV N J
BEHAVIOR OF SCATTERING AMPLITUDES AT HIGH ENERGIES, BOUND STATES, AND RESONANCES
PHYS REV 126,(766-786,) APR 1962
BY BLANKENBECLER, R.; GOLDBERGER M. L.
DDC NR.
CONTRACT NR. AF 49(638)-304
PROJ/TASK NR. 9750-37500

AFOSR 3216
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
HIGH-SPEED COMPUTERS AS A SUPPLEMENT TO GRAPHICAL METHODS, I, FUNCTIONAL BEHAVIOR OF THE ERROR SQUARE SUM
BY SILLEN L G
DDC NR. 287117
CONTRACT NR. AF 61(052)-162
PROJ/TASK NR. 9760-37600

AFOSR 3217
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
HIGH-SPEED COMPUTERS AS A SUPPLEMENT TO GRAPHICAL METHODS, II, SOME COMPUTER PROGRAMS FOR STUDIES OF COMPLEX FORMATION EQUILIBRIA
ACTA CHEM SCAND 16 173-191 1962
BY INGRI N; SILLEN L G
DDC NR.
CONTRACT NR. AF 61(052)-162
PROJ/TASK NR. 9760-37600

AFOSR 3218
PISA UNIV OF ITALY
NEUROPHYSIOLOGICAL STUDIES OF CONDITINING FINAL REPORT JUN 1962
BY RICCI G
DDC NR. 293101
CONTRACT NR. AF EOAR 61-36
PROJ/TASK NR. 9777-01

AFOSR 3219
MARSEILLE UNIV FRANCE
CHRONOGRAPHIC AND TOPOGRAPHIC STUDY OF CEREBRAL POTENTIALS EVOKED BY PHOTIC STIMULATION IN MAN AND IN CAT FINAL REPORT APR 1962
BY GASTAUT H
DDC NR.
CONTRACT NR. AF 61(052)-20
PROJ/TASK NR. 9777-37703

AFOSR 3220
OXFORD UNIV OF ENGLAND
MAZE LEARNING AND DISCRIMINATION IN ANTS MAY 1961
BY VOWLES DM; TINBERGEN N<P.I.>
DDC NR. 288454
CONTRACT NR. AF 61(052)-420
PROJ/TASK NR. 9777-37703

AFOSR 3221
OXFORD UNIV OF ENGLAND
THE ELECTROETINOGRAM IN THE COMPOUND EYE OF THE DESERT LOCUST <SCHISTOCERCA GREGARIA FORSKAL> JUL 1961
BY VOWLES D M
DDC NR. 288416
CONTRACT NR. AF 61(052)-420
PROJ/TASK NR. 9777-37703

AFOSR 3227
OXFORD UNIV OF ENGLAND
MAZE LEARNING AND BRAIN LESIONS IN ANTS SEP 1961
BY VOWLES D M
DDC NR. 288453
CONTRACT NR. AF 61(052)-420
PROJ/TASK NR. 9777-37703

AFOSR 3230
OREGON UNIV EUGENE
SYMMETRIC EXTERIOR DIFFERENTIATION AND FLAT FORMS 1962
CAN J MATH 14,(79-86,) 1962
BY SHAPIRO V. L.
DDC NR.
CONTRACT NR. AF 49(638)-988
PROJ/TASK NR. 9752-37522

AFOSR 3232
NORTHWESTERN UNIV, EVANSTON, ILL
GENERALIZED BAYES SOLUTIONS IN ESTIMATION PROBLEMS 1962
BY SACKS J.; DWASS M(PI)
DDC NR.
CONTRACT NR. AF 49(638)-877
PROJ/TASK NR. 9752-03

AFOSR 3233
NORTHWESTERN UNIV, EVANSTON, ILL
AN ELEMENTARY PROBABILITY APPROACH TO FLUCTUATUIN THEORY MAY 1962
BY PORT S. C.; DWASS M(PI)
DDC NR.
CONTRACT NR. AF 49(638)-877
PROJ/TASK NR. 9752-03

AFOSR 3234
NEW YORK UNIV NY
A SHARPENING OF THE ASYMPTOTIC LAW OF AN ENTIRE SPACE ARCH FOR RAT MECH AND ANAL 7 412-433 1961
BY NIEMEYER H; KLINE M<P.I.>
DDC NR.
CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR 3238
RSCH TRIANGLE INST DURHAM N C
THE CONDITIONAL DISTRIBUTION OF SETS OF TESTS ON A SYSTEM SIMULATED FROM TESTS ON ITS COMPONENTS JUL 1962
BY CONNOR W. S.
DDC NR.
CONTRACT NR. AF AFOSR 62-309
PROJ/TASK NR. 9752-03

AFOSR 3239
VIRGINIA UNIV OF CHARLOTTESVILLE
COMPRESSIBILITY AND UNIFORM CONVERGENCE
PROC NAS 47,•1843-1847,• NOV 1961
BY WHYBURN G. T. DDC NR.
CONTRACT NR. AF 49(638)-72
PROJ/TASK NR. 9783-03

AFOSR 3240
VIRGINIA UNIV OF CHARLOTTESVILLE
THE CAUCHY INEQUALITY IN TOPOLOGICAL ANALYSIS
PROC NAS 48,• 1335-1336,• AUG 1962
BY WHYBURN G. T. DDC NR.
CONTRACT NR. AF 49(638)-72
PROJ/TASK NR. 9783-03

AFOSR 3243
MINNESOTA UNIV OF MINNEAPOLIS
ON THE CONFORMAL TYPES OF ALGEBRAIC SURFACES OF
EUCLIDEAN SPACE
BY GARSIA A. M. DDC NR.
CONTRACT NR. AF 49(638)-857
PROJ/TASK NR. 9783-37727

AFOSR 3244
MINNESOTA UNIV OF MINNEAPOLIS
IMBEDDINGS OF SOME CLOSED RIEMANN SURFACES BY CANAL SURFACES
RENDICONTI DEL CIRCOLO MAT DI PALERMO SER II 9,•1-21,• 1960
BY GARSIA A. M. DDC NR.
CONTRACT NR. AF 49(638)-857
PROJ/TASK NR. 9783-37727

AFOSR 3246
MICHIGAN UNIV OF ANN ARBOR
JORDAN DOMAINS AND ABSOLUTE CONVERGENCE OF POWER SERIES
MICH MATH J 9,•125-128,• 1962
BY PIRANIAN G. DDC NR.
CONTRACT NR. AF 49(638)-633
PROJ/TASK NR. 9752-37522

AFOSR 3248
MIAMI UNIV OF CORAL GABLES FLA
EXTENSION PROPERTIES OF BANACH SPACES
BULL AMER MATH SOC 68,•217-224,• MAY 1962
BY SOBCZYK A. DDC NR.
CONTRACT NR. AF 49(638)-1055
PROJ/TASK NR. 9752-03

AFOSR 3249
MIAMI UNIV OF CORAL GABLES FLA
TOPOLOGICAL SPACES WITH LESS THAN HAUSDORFF SEPARATION
BY SOBEZYK A. DDC NR.
CONTRACT NR. AF 49(638)-1055
PROJ/TASK NR. 9752-03

AFOSR 3251
COLUMBIA UNIV N Y
ALKALI VAPOR INFRARED MASERS
ADV IN QUANTUM ELECTRONICS 1961,•12-17
BY CUMMINS H. Z. DDC NR.
ABELLA I. CONTRACT NR. AF 49(638)-507
HEAVENS O. S. PROJ/TASK NR. 9768-37650
KNABLE N.
TOWENES C. H.

AFOSR 3252
WAYNE STATE UNIV, DETROIT MICH
THE CONFORMAL TRANCSORMATION GROUP OF A
COMPACT RIEMANNIAN MANIFOLD
AMER J MATH 84,•170-174,• JAN 1962
BY GOLDBERG S. I. DDC NR.
KOBAYASHI S. CONTRACT NR. AF 49(638)-967
PROJ/TASK NR. 9769-37658

AFOSR 3253
WAYNE STATE UNIV DETROIT MICH
THE CONFORMAL TRANSFORMATION GROUP OF A
COMPACT RIEMANNIAN MANIFOLD
PROC NAS 48,•25-26,• JAN 1962
BY GOLDBERG S. I. DDC NR.
KOBAYASHI S. CONTRACT NR. AF 49(638)-967
PROJ/TASK NR. 9769-37658

AFOSR 3254
WAYNE STATE INIV DETROIT MICH
THE CONFORMAL TRANSFORMATION GROUP OF A COMPACT
HOMOGENEOUS RIEMANNIAN MANIFOLD
BULL AMER MATH SOC 68,•378-381,• JUL 1962
BY GOLDBERG S. I. DDC NR.
KOBAYASHI S. CONTRACT NR. AF 49(638)-967
PROJ/TASK NR. 9769-37658

AFOSR 3255
PURDUE UNIV LAFAYETTE IND
ON COMMUTATORS AND JACOBI MATRICES
PROC AMER MATH SOC 7,•1026-1030,• DEC 1956
BY PUTNAM C. R(DDC NR.
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9752-37522

AFOSR 3256
PURDUE UNIV LAFAYETTE IND
CONTINUOUS SPECTRA AND UNITARY EQUIVALENCE
PACIFIC J MATH 7,•993-995,• 1957
BY PUTNAM C. R(DDC NR.
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9752-37522

AFOSR 3257
PURDUE UNIV LAFAYETTE IND
ON THE SPECTRA OF GROUP COMMUTATORS
BOLL U. M. I. 15,•379-383,• 1960
BY PUTNAM C. R. DDC NR.
CONTRACT NR. AF 18(603)-139
PROJ/TASK NR. 9752-37522

AFOSR 3258
RICE INST, HOUSTON, TEX
ON THE RADIAL LIMITS OF BLASCHKE PRODUCTS
BY MACLANE G. R. DDC NR.
RYAN F B(PI) CONTRACT NR. AF 49(638)-205
PROJ/TASK NR. 9769-37658

AFOSR 3260
RICE INST, HOUSTON TEX
HOLOMORPHIC FUNCTIONS OF ARBITRARILY SLOW GROWTH,
WITHOUR RADIAL LIMITS
MICH MATH J 9,•21-24,• 1962
BY MACLANE G. R. DDC NR.
CONTRACT NR. AF 49(638)-205
PROJ/TASK NR. 9769-37658

AFOSR 3261
RICE INST, HOUSTON TEX
ON THE CHARACTERISTIC T(R) OFEEZ
BY MACLANE G. R. DDC NR.
CONTRACT NR. AF 49(638)-205
PROJ/TASK NR. 9769-37658

AFOSR 3265
ILLINOIS UNIV OF URBANA
THEORY AND APPLICATION OF DIPOLAR FERRITE MODES
J APPL PHYS 31 SUPPL,•99-100,• MAY 1960
BY STEIER W. H. DDC NR.
COLEMAN P D(PI) CONTRACT NR. AF 18(603)-62
PROJ/TASK NR. 9768-37650

AFOSR 3266
YALE UNIV NEW HAVEN CONN
OBSERVATION OF THE HYPERFINE STRUCTURE SPLITTING OF
MUONIUM BY USE OF A STATIC MAGNETIC FIELD
PHYS RFV LTRS 6,•19-21,• JAN 1961
BY PREPOST R. DDC NR.
HUGHES V. W(CONTRACT NR. AF 49(638)-545
PROJ/TASK NR. 9767

AFOSR 3267
CALIFORNIA UNIV OF BERKELEY
NUCLEAR SPIN HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 64-
HOUR YTTRIUM-90
PHYS REV 125,•284-291,• JAN 1962
BY PETERSEN R. R. DDC NR.
SHUGART H. A. CONTRACT NR. AF 49(638)-339
NIERENBERG W(PI) PROJ/TASK NR. 9751-37511

AFOSR 3268
MARYLAND UNIV OF COLLEGE PARK
EFFECT OF IMPURITIES ON THE LOW-TEMPERATURE SPONTANEOUS
MAGNETIZATION OF CUBIC FERROMAGNETIC CRYSTALS
J APPL PHYS 31 SUPPL,•329-331,• MAY 1960
BY MARADUDIN A. A. DDC NR.
DIXON P. A. CONTRACT NR. AF 18(600)-1315
MONTROLL E W(PI) PROJ/TASK NR. 9751-37511

AFOSR 3269
STANFORD UNIV CALIF
HOW LARGE CAN A MICROWAVE ANTENNA BE
MICROWAVE J 5,•1-6,• JAN 1962
BY BRACEWELL R. N. DDC NR.
CONTRACT NR. AF 49(638)-1059
PROJ/TASK NR. 9768-37650

AFOSR 3270
ARTHUR D LITTLE INC CAMBRIDGE MASS
PROCEEDINGS OF A CONFERENCE ON CAMBRIDGE MASS
AERODYNAMICALLY HEATED STRUCTURES
25 JULY 1961 PRENTICE-HALL INC 1962
BY GLASER ED P E DDC NR. 282454
CONTRACT NR. AF 49(638)1026
PROJ/TASK NR. 9762-37718

AFOSR 3273
LEHIGH UNIV BETHLEHEM PA
A UNIQUENESS THEOREM ON CLOSED CONVEX HYPERSURFACES
IN EUCLIDEAN SPACE
J MATH & MECH 9,•85-88,• JAN 1960
BY CHERN S. S. DDC NR.
HANO J. CONTRACT NR. AF 49(638)-1009
HSIUNG C. C. PROJ/TASK NR. 9769-37658

AFOSR 3274
MIAMI UNIV OF CORAL GABLES FLA
THE GENERALIZED BACKWARD KOLMOGOROV EQUATION IN
ABSTRACT SPACE
ILL J MATH 3,•532-537,• DEC 1959
BY AUSTIN D. G. DDC NR.
CONTRACT NR. AF 49(638)-104
PROJ/TASK NR. 9769-37658

AFOSR 3276
JONKER BUSINESS MACHINES INC GAITHERSBURG, MD
1962 TOTAL DATA PROCESSING
DATA PROCESSING APR 1962
BY JONKER F DDC NR.
CONTRACT NR. AF 49(638)-961
PROJ/TASK NR. 9769-37659

AFOSR 3277
PRINCETON UNIV N Y
RESEARCH ON SOLID PROPELLANT COMBUSTION INSTABILITY AUG 1962
BY WAESCHE R. H. DDC NR. 284238
WENOGRAD J. CONTRACT NR. AF 49(638)-1073
SUMMERFIELD M. PROJ/TASK NR. 9100-T0009

AFOSR 3278
PUERTO RICO, UNIV OF MAYAGUEZ
STUDY OF SPORADIC E AND OTHER FORMS OF IONIZATION,
INTERIM FINAL REPORT
BY DUENO B. DDC NR.
CONTRACT NR. AF 49(638)-172
PROJ/TASK NR. 9768-37650

AFOSR 3280
WASHINGTON UNIV ST LOUIS MO
EXPERIMENTAL STUDIES IN NUCLEAR PHYSICS FINAL REPORT JUL 62
BY SHULL F B<P .I.> DDC NR.
POND T A<P.I.> CONTRACT NR. AF 49(638)-843
PROJ/TASK NR. 9751-37512

AFOSR 3281
NEW YORK UNIV NY
ON THE DIGITAL COMPUTER CLASSIFICATION OF GEOMETRIC LINE PATTERNS 1962
BY FREEMAN H DDC NR.
CONTRACT NR. AF AFOSR 62-152
PROJ/TASK NR. 9769-37659

AFOSR 3282
MICHIGAN UNIV OF ANN ARBOR
FREQUENCY STUDIES OF ENGLISH CONSONANTS
LANG AND SPEECH 3.*131-319.*JUL-SEP 1960
BY WANG W S DDC NR.
CRAWFORD J CONTRACT NR. AF 49(638)-492
PETERSON G E <P.I.> PROJ/TASK NR. 9769-37659

AFOSR 3283
MICHIGAN UNIV OF ANN ARBOR
INTRINSIC CURS AND CONSONANT PERCEPTION
J SPEECH AND HEARING RSCH 4.*130-136.*JUN 1961
BY WANG W S DDC NR.
FILLMORE C J CONTRACT NR. AF 49(638)-492
PETERSON G E <P.I.> PROJ/TASK NR. 9769-37659

AFOSR 3286
PENNSYLVANIA STATE UNIV UNIVERSITY PARK PA
PROPERTIES OF COMPLETE ORTHONORMAL SYSTEMS ON MATRIX SPACES THESIS 1962
BY SHIH-HSIUNG TUNG DDC NR.
MITCHEEL J M<PI> CONTRACT NR. AF 49(638)-826
PROJ/TASK NR. 9752-37522

AFOSR 3287
CALIFORNIA UNIV OF LOS ANGELES
STRATOSPHERIC MIXING FROM RADIOACTIVE FALLOUT
J GEOPHYS RSCH 65 3307-3317 3CT 1960
BY LIBBY W F DDC NR.
PALMER C E CONTRACT NR. AF 49(638)-901
PROJ/TASK NR. 9760-37600

AFOSR 3288
CALIFORNIA UNIV OF LOS ANGELES
INDUSTRIAL USES OF ISOTOPES
ANN REV OF NUC SCI 11 461-483 1961
BY LIBBY W F DDC NR.
CONTRACT NR. AF 49(638)-901
PROJ/TASK NR. 9760-37600

AFOSR 3289
CATHOLIC UNIV OF AMERICA WASH DC
CHARACTERISTIC FUNCTIONS AND PARAMETERS IN THE THEORY OF HYDROGEN OVERPTENTIAL. I. THEORETICAL
J ELECTROCHEM SOC 108 277 282- MAR 1961
BY CASTELLAN G W DDC NR.
CONTRACT NR. AF 49(638)-475
PROJ/TASK NR. 9761-37600

AFOSR 3290
CATHOLIC UNIV OF AMERICA, WASH DC
CHARACTERISTIC FUNCTIONS AND PARAMETERS IN THE THEORY OF HYDROGEN OVERPOTENTIAL. II. INTERPRETATION OF SOME MEASUREMENTS OF HYDROGEN OVERPOTENTIAL AN PALLADIUM
J ELECTROCHEM SOC 108 282-285 MAR 1961
BY CASTELLAN G W DDC NR.
CONTRACT NR. AF 49(638)-475
PROJ/TASK NR. 9761-37600

AFOSR 3291
ILLINOIS UNIV URBANA
HIGH-GAIN DYNAMIC MICROWAVE PHOTOMULTIPLIER
PROC IRE 50.* FEB 1962
BY GADDY O. L. DDC NR.
HOLSHOUSER D. F. CONTRACT NR. AF 49(638)-956
PROJ/TASK NR. 9768-37650

AFOSR 3292
WASHINGTON U ST LOUIS MO
VARIATION DIMINISHING TRANSFORMATIONS AND STURM-LIOUVILLE SYSTEMS
COMM MATH HELVETICI 36 214-233 1961
BY HIRSCHMAN JR I I DDC NR.
CONTRACT NR. AF 49(638)-846
PROJ/TASK NR. 9783-37727

AFOSR 3293
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON SUPER-POTENTIALS IN THE THEORY OF NEWTONIAN GRAVITATION
ASTROPHYS J 135.*238-247.* JAN 1962
BY CHANDRASEKHAR S. DDC NR.
LEBOVITZ N. R. CONTRACT NR. AF 49(638)-42
MARTIN W T<PI> PROJ/TASK NR. 9769-37658

AFOSR 3294
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE CATEGORY OF TOPOLOGICAL OBJECTS
PROC NAS 47.*190-195.* FEB 1961
BY CLIFTON Y. H. DDC NR.
SMITH J. W. CONTRACT NR. AF 49(638)-42
MARTIN W T<PI> PROJ/TASK NR. 9769-37658

AFOSR 3295
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
A NOTE ON THE JOINT SPECTRAL RADIUS
KONINKL NEDERL AKAD VAN WETENSCHAPPEN PROC SER A
65.*329-331.* 1960
BY GOTA G. C. DDC NR.
STRANG W. G. CONTRACT NR. AF 49(638)-42
MARTIN W T<PI> PROJ/TASK NR. 9769-37658

AFOSR 3296
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
EIGENVALUES OF JORDAN PRODUCTS
AMER MATH MONTHLY 69.*37-46.* JAN 1962
BY STRANG W. G. DDC NR.
MARTIN W T<PI> CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37658

AFOSR 3297
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
COMMUTING BOOLEAN ALGEBRAS OF PROJECTIONS
PACIFIC J MATH 11.*295-307.* 1961
BY MCCARTHY C. A. DDC NR.
CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37658

AFOSR 3298
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
AN INTERPRETATION OF DOUBLE PERIODS IN BETA CANIS MAJORIS STARS
ASTROPHYS J 135.*305-306.* JAN 1962
BY CHANDRASEKHAR S. DDC NR.
LEBOVITZ N. R. CONTRACT NR. AF 49(638)-42
MARTIN W T<PI> PROJ/TASK NR. 9769-37658

AFOSR 3299
MARYLAND UNIV OF COLLEGE PARK
THE CONTINUOUS DEPENDENCE OF GENERALIZED SOLUTIONS OF NON-LINEAR PARTIAL DIFFERENTIAL EQUATIONS UPON INITIAL DATA
COMM ON PURE AND APPL MATH 14.*267-284.* AUG 1961
BY DOUGLIS A. DDC NR.
CONTRACT NR. AF 49(638)-590
PROJ/TASK NR. 9783-37727

AFOSR 3300
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
THE INDEX THEOREM IN RIEMANNIAN GEOMETRY
ANN OF MATH 73.*49-86.* JAN 1961
BY AMBROSE W. DDC NR.
CONTRACT NR. AF 18(603)-91
PROJ/TASK NR. 9769-37658

AFOSR 3301
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
THE CARTAN STRUCTURAL EQUATIONS IN CLASSICAL RIEMANNIAN GEOMETRY
J INDIAN MATH SOC 24.*23-76.* MAR-JUN 1960
BY AMBROSE W. DDC NR.
CONTRACT NR. AF 18(603)-91
PROJ/TASK NR. 9769-37658

AFOSR 3302
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
SPRAYS
ANAIS D ACAD BRASILEIRA D CIENCIAS 32. SEP.*167-174.* 1960
BY AMBROSE W. DDC NR.
PALAIS R. S. CONTRACT NR. AF 18(603)-91
SINGER I. M. PROJ/TASK NR. 9769-37658

AFOSR 3304
INST FOR ADVANCED STUDY PRINCETON N J
THE PIECEWISE-LINEAR STRUCTURE OF EUCLIDEAN SPACE 1962
BY STALLINGS J. DDC NR.
BEURLING A. CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3305
INST FOR ADVANCED STUDY PRINCETON N J
ON TOPOLOGICALLY UNKNOTTED SPHERES 1962
BY STALLINGS J. DDC NR.
BEURLING A. CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3306
INST FOR ADVANCED STUDY PRINCETON N J
REPRESENTATIONS OF ALGEBRAIC GROUPS 1962
BY STEINBERG R. DDC NR.
BEURLING A. CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3307
INST FOR ADVANCED STUDY PRINCETON N J
GENERATORS RELATIONS AND COVERINGS OF ALGEBRAIC GROUPS 1962
BY STEINBERG R. DDC NR.
BEURLING A CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3309
INST FOR ADVANCED STUDY PRINCETON N J
ON A THEOREM OF BROWN ABOUT THE UNION OF OPEN CONES 1962
BY STALLINGS J. DDC NR.
BEURLING A. CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3310
INST FOR ADVANCED STUDY PRINCETON N J
THE CATEGORY OF A CELL-COMPLEX AND THE PATTERN OF THE DIMENSIONS OF ITS CELLS 1962
BY STALLINGS J. DDC NR.
BEURLING A. CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3311
INST FOR ADVANCED STUDY PRINCETON N J
SOME AREA THEOREMS AND A SPECIAL COEFFICIENT THEOREM 1962
BY JENKINS J. A. DDC NR.
BEURLING A. CONTRACT NR. AF 49(638)-253
MORSE M<PI> PROJ/TASK NR. 9783-37727

AFOSR 3313
HARVARD UNIV CAMBRIDGE MASS
ON THE SUPERABUNDANCE OF THE COMPLETE LINEAR SYSTEMS ND <N-LARGE> FOR AN ARBITRARY DIVISOR D ON AN ALGEBRAIC SURFACE
INTERCONF OF GEOM ALGEBRA TORINO MAY 1961 PP. 105-120
BY ZARISKI O. DDC NR.
CONTRACT NR. AF 49(638)-494
PROJ/TASK NR. 9783-37727

AFOSR 9319
HARVARD UNIV CAMBRIDGE MASS
THE SOLUTION OF A SINGULARITY OF AN EMBEDDED ALGEBRAIC SET
ACCAD NAZ D-LINCEI RENDICONTI D-CLASSE D-SCI FIS MAT E NAT
91 97-102 SEP OCT 1961
AV ZARISKI O DDC NR.
CONTRACT NR. AF 49(638)-496
PROJ/TASK NR. 9781-09

AFOSR 9319A
HARVARD UNIV CAMBRIDGE MASS
THE SOLUTION OF A SINGULARITY OF AN EMBEDDED ALGEBRAIC SET
(UII)
ACCAD NAZ D LINCEI RENDICONTI D CLASSE D SCI FIS MAT E NAT
9-6 177-180 NOV 1961
AV ZARISKI O DDC NR.
CONTRACT NR. AF 49(638)-496
PROJ/TASK NR. 9781-09

AFOSR 9319
HARVARD UNIV CAMBRIDGE MASS
CONFORMAL MAPS OF SMALL DISKS
AV WALSH J. L. DDC NR.
MOTZKIN T. S. CONTRACT NR. AF 49(638)-976
PROJ/TASK NR. 9769-01

AFOSR 9321
CAMBRIDGE UNIV ENGLAND
EFFECTS OF FRONTAL CORTEX LESIONS ON OBJECT DISCRIMINATION
LEARNING BY MONKEYS
NATURE 199 910-911 JUL 1962
AV OXBURY J. DDC NR.
WEISKRANTZ L. CONTRACT NR. AF 61(052)-189
PROJ/TASK NR. 9777-1 700

AFOSR 9322
ERLANGEN UNIV. WESTERN GERMANY
THEORY OF FUNCTIONS OF SEVERAL COMPLEX VARIABLES JUN 1962
AV BEHNKE H H DDC NR.
CONTRACT NR. AF EOAR 61-90
PROJ/TASK NR. 9752-97522

AFOSR 9323
FLORIDA STATE UNIV. TALLAHASSEE
CONCERNING A THEOREM OF KY FANS
MATH ZEITSCHR 78,991-96,0(1961
AV SANDERS B L PLUNKETT R L <P,I.> CONTRACT NR. AF 49(638)-598
PROJ/TASK NR. 9783-97727

AFOSR 9324
CORNELL UNIV. ITHACA, NY
CHANNELS WITH ARBITRARILY VARING CHANNEL PROBABILITY FUNCTIO
INFO AND CONTROL 5,0 66-54,0 MAR 1962
AV BIEFER J. DDC NR.
WOLFOWITZ J. CONTRACT NR. AF 49(638)-226
PROJ/TASK NR. 9752-97522

AFOSR 9328
CHICAGO UNIV OF, ILL
SMOOTHNESS AND DIFFERENTIABILITY OF FUNCTIONS
ANN UNIV SCI BUDAPESTINENSIS DE ROLANDO EOTVOS NOMINATE,
SECT MATH 9-6 299-307 1960(A)
AV STEIN E. M. DDC NR.
ZYGMUND A. CONTRACT NR. AF 49(638)-691
PROJ/TASK NR. 9781-97727

AFOSR 9329
CHICAGO UNIV OF, ILL
LOCAL PROPERTIES OF SOLUTIONS OF ELLIPTIC PARTIAL
DIFFERENTIAL EQUATIONS
STUDIA MATH 20 171-225 1961
AV CALDERON A. P. DDC NR.
ZYGMUND A. CONTRACT NR. AF 49(638)-691
PROJ/TASK NR. 9781-97727

AFOSR 9330
CHICAGO UNIV OF, ILL
A NOTE ON LOCAL PROPERTIES OF SOLUTIONS OF ELLIPTIC
DIFFERENTIAL EQUATIONS
PROC NAS 46 1389-1389 OCT 1960
AV CALDERON A. P. DDC NR.
ZYGMUND A. CONTRACT NR. AF 49 (638)-691
PROJ/TASK NR. 9781-97727

AFOSR 9332
CHICAGO UNIV OF, ILL
ON THE HOMOLOGY OF FIBRE SPACES 1962
AV GINSBURG M. DDC NR.
MACLANE S. <P,I.> CONTRACT NR. AF 49(638)-560
PROJ/TASK NR. 9780-01

AFOSR 9334
BRITISH COLUMBIA UNIV OF, VANCOUVER CAN
1962 GENERALIZATIONS OF SOME COMBINATORIAL INEQUALITIES OF
H J RYSER
AV MARCUS M. DDC NR.
GORDON W. B. CONTRACT NR. AF 49(638)-776
MOYLS B. N. <P,I.> PROJ/TASK NR. 9769-97650

AFOSR 9335
BRITISH COLUMBIA UNIV OF VANCOUVER, CAN
1962 AN INEQUALITY CONNECTING THE P-PERMUTATION NUMBER AND THE
DIFFERENCE RANT
AV MARCUS M. DDC NR.
MOYLS B. N. <P,I.> CONTRACT NR. AF 49(638)-776
PROJ/TASK NR. 9769-97650

AFOSR 9336
BRITISH COLUMBIA UNIV OF, CANADA
1962 THE FIELD OF VALUES OF THE HADAMARD PRODUCTS
AV MARCUS M. DDC NR.
THOMPSON W. C. CONTRACT NR. AF 49(638)-776
PROJ/TASK NR. 9769-97650

AFOSR 9337
CHICAGO UNIV OF ILL
INVESTIGATION OF IMPURITY CONDUCTION IN TRANSMUTATION-DOPED
GERMANIUM
PROC INTERNAT CONF ON SEMICONDUCTOR PHYS PRAGUE 1960 PP.
772-776
AV FRITZSCHE H DDC NR.
CUEVAS M CONTRACT NR. AF 49(638)-802
PROJ/TASK NR. 9760-97601

AFOSR 9338
CALIFORNIA UNIV OF, BERKELEY
1962 TOROIDAL ALGEBRAIC GROUPS
PROC AMER MATH SOC 12 984-988 DEC 1961
AV ROSENLICHT M. DDC NR.
CONTRACT NR. AF 49(638)-603
PROJ/TASK NR. 9769-97650

AFOSR 9340
CASE INST OF TECHNOLOGY CLEVELAND O
MAR 1962 RELATIONSHIPS BETWEEN MOMENTS OF NORMAL AND CHI
<10,F,> ORDER STATISTICS
AV GOVINDARAJULU Z. DDC NR.
LEONE F. C. <P,I.> CONTRACT NR. AF AFOSR-62-72
PROJ/TASK NR. 9783-97727

AFOSR 9342
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
1&1962 BOUNDS FOR TH SOLUTIONS OF A CLASS OF NONLINEAR
PARTIAL DIFFERENTIAL EQUATIONS
AV NEHARI Z. DDC NR.
CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-97727

AFOSR 9343
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
1962 ON AN INEQUALITY OF LIAPUNOFF
AV NEHARI Z. DDC NR.
CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-97727

AFOSR 9344
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA.
1962 ON A NONLINEAR DIFFERENTIAL EQUATION ARISING IN NUCLEAR
PHYSICS
AV NEHARI Z. DDC NR.
CONTRACT NR. AF 49(638)-227
PROJ/TASK NR. 9781-97725

AFOSR 9348
CALIFORNIA UNIV OF, BERKELEY
1962 ON THE COHOMOLOGY GROUPS OF THE CLASSIFYING SPACE FOR
THE STABLE SPINOR GROUPS
BOL DE LA SOC MAT MEX 57-69 1962
AV THOMAS E. DDC NR.
EOSTANT B. <P,I.> CONTRACT NR. AF 49(638)-70
PROJ/TASK NR. 9752-97522

AFOSR 9349
CALIFORNIA UNIV OF, BERKELEY
1962 HOMOTOPY-COMMUTATIVITY IN ROTATION GROUPS
TOPOLOGY 1 121-124 1962
AV JAMES I. M. DDC NR.
EOSTANT B. <P,I.> CONTRACT NR. AF 49(638)-70
THOMAS E. PROJ/TASK NR. 9752-97522

AFOSR 9347
WASHINGTON UNIV ST LOUIS MO
VARIATION DIMINISHING TRANSFORMATIONS AND ORTHOGONAL
POLYNOMIALS
J D- ANL MATH 9 177-191 1961
AV HIRSCHMAN JR I I DDC NR.
CONTRACT NR. AF 49(638)-210
PROJ/TASK NR. 9781-97727

AFOSR 9350
MINNESOTA UNIV OF MINNEAPOLIS
NONLINEAR VILTERRA FUNCTIONAL EQUATIONS AND LINEAR
PARABOLIC DIFFERENTIAL SYSTEMS
TRAN AMER MATH SOC 99,9408-432,0 JUN 1960
AV YEH J. DDC NR.
CAMERON R< H. CONTRACT NR. AF 18<603>-10
PROJ/TASK NR. 9752-97522

AFOSR 9359
CHICAGO UNIV OF ILLINOIS
THE THEORY OF IMPURITY CONDUCTION
PHIL MAG 10 SUPPL 107-163 APR 1961
AV MOTT N F DDC NR.
TWOSE W D CONTRACT NR. AF 49(638)-802
FRITZSCHE H<P,I.> PROJ/TASK NR. 9760-97601

AFOSR 9364
MICHIGAN STATE UNIV EAST LANSING
MAGNETIZATIONAND PROTON RELAXATION TIME IN ANTIFERROMAGNETI
LIEUCEL, 2H20
J CHEM PHYS 35 1912-1919 NOV 1961
AV SPENCE R D DDC NR.
BURTY C B E CONTRACT NR. AF 49(638)-613
COWEN J A<P<I.> PROJ/TASK NR. 9765-97691

AFOSR 9361
COLUMBIA UNIV NY
PYRAMIDAL SLIP IN CADMIUM CRYSTALS
TRANS METALLURGICAL SOC AIM 224 732-737 AUG 1962
AV STOLOFF N S DDC NR.
GENSAMER M CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9760-97601

AFOSR 9362
PITTSBURGH UNIV OF PA
THEORETICAL PROBLEMS IN FERRO-AND ANTIFERROMAGNETISM THESIS
1962
AV JOSEPH JR R J DDC NR. 283065
KEPPER P<P,I.> CONTRACT NR. AF 49(638)-829
DEAN C<P,I.> PROJ/TASK NR. 9760-97601
ANDERSON J<P,I.>

AFOSR 3361
ILLINOIS UNIV OF URBANA ILLINOIS
SIMPLIFIED TECHNIQUE FOR POSITIONING SMALL DIAMETER X-RAY
BEAMS ON SPECIMENS FOR BACK REFLECTION ANALYSIS
REV SCI INSTR 33 572-573 MAY 1962
BY MICHELS L C DDC NR.
WAYMAN C M CONTRACT NR. AF 49(638)-620
PROJ/TASK NR. 9760-97600?

AFOSR 3366
NORTH CAROLINA UNIV CHAPEL HILL
A NEW TECHNIQUE FOR RECORD NG HEAVY PRIMARY COSMIC RADIATIO
AND NUCLEAR PROCESSES IN SILVER CHLORIDE SINGLE CRYSTALS
IRE TRANS ON NUC SCI 9 61-616 JUN 1962
BY CHILDS C B DDC NR.
SLEPAIN L M CONTRACT NR. AF 49(638)-865
PROJ/TASK NR. 9760-97601

AFOSR 3366
OHIO STATE UNIV COLUMBUS
NUCLEAR MAGNETIC RELAXATION IN THE PRESENCE OF PARAMAGNETIC
IONS
PHYS REV 125 1826-1831 2AR 1962
ANN MATH STAT 32,01042-1047,0DEC 1961
BY HOEL P G DDC NR.
BY DOMANSKI J S DDC NR.
CORRIGA JCP.I.> CONTRACT NR. AF 49(638)-266
PROJ/TASK NR. 9760-97601

AFOSR 3367
ILLINOIS UNIV OF URBANA
ANALYSIS OF DIFFUSION IN MEDIA UNDERGOING DEFORMATION
J APPL PHYS 29 1193-1196 JUL 1958
BY PARA M DDC NR.
BALLUFFI R W CONTRACT NR. AF 18(603)-106
PROJ/TASK NR. 9760-97601

AFOSR 3368
ILLINOIS UNIV OF URBANA
RELATIVE POLYGONIZATION RATES IN COPPER AND COPPER-ZINC
ALLOYS
J APPL PHYS 32 963-964 MAY 1961
BY WEITMANN W F DDC NR.
BALLUFFIN R W CONTRACT NR. AF 18(603)-106
PROJ/TASK NR. 9760-97601

AFOSR 3369
ILLINOIS UNIV OF URBANA
FURTHER NOTE ON THE APPLICATION OF THE BOLTZMANN-MATANO
ANALYSIS TO VAPOR-SOLID DIFFUSION COUPLES
J APPL PHYS 27 964-965 AUG 1956
BY PARA M DDC NR.
BALLUFFIN R W CONTRACT NR. AF 18(603)-106
PROJ/TASK NR. 9760-97601

AFOSR 3370
CALIFORNIA UNIV OF BERKELEY
MINIMUM PERIOD OF SOCILLATION OF TUNNEL-DIODE OSCILLATORS
1962 WESTERN ELECTRONIC SHOW AND CONVENTION LOS ANGELES 21-
26 AUG PAPER 1.5
BY PEPPER R S DDC NR.
PEDERSON DCP.I.> CONTRACT NR. AF AFOSR 62-360
WHINNERY JCP.I.> PROJ/TASK NR. 4751

AFOSR 3371
RIAS INC BALTIMORE MD
ASYMPTOTIC STABILITY CRITERIA
PROC SYMP IN APPL MATH VOL.13, HYDRODYNAMIC INSTABILITY PP
299-307 1962
BY LASALLE J P DDC NR.
LEFSCHETZ SCP.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9781-02

AFOSR 3372
SAN ANDRES UNIV LA PAZ BOLIVIA
EXTENSIVE AIR SHOWERS AT 6200 M
J PHYS SOC OF JAPAN 17 SUPPL A-III 263-266 1962
BY MERSIL J DDC NR.
ESCOBAR I CONTRACT NR. AF AFOSR 62-395
CLARK G PROJ/TASK NR. 9776-02

AFOSR 3376
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
FUNDAMENTAL GROUPS ON A LORENTZ MANIFOLD
PROC NAS 46,0111-116,0 JAN 1960
BY SMITH J. W. DDC NR.
CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37650

AFOSR 3379
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ELECTROHYDRODYNAMIC AND MAGNETOHYDRODYNAMI SURFACE WAVES
AND INSTABILITIES
PHYS FLUIDS 6,01360-1356,0 NOV 1961
BY MELCHER J. R. DDC NR.
WIEGNER J. D. CONTRACT NR. DA 36-039-SC-78108
PROJ/TASK NR. 4751

AFOSR 3376
PENNSYLVANIA UNIV OF PHILADELPHIA
SEARCHING LEGAL LITERATURE ELECTRONICALLY,0 RESULTS OF L
TEST PROGRAM A REVIEW BY JOHN O-CONNOR
R U L L MAR 1962
BY MELTON J. S. DDC NR.
BERSINA R. C. CONTRACT NR. AF AFOSR 62-257
O-CONNOR J. CP.I.> PROJ/TASK NR. 9769-02

AFOSR 3377
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
CRYSTAL STRUCTURE STUDIES ON SOME BASIC SALTS OF CE4 TM4 U4
T14 AND ZR4
SVENSK KEMISK TIDSKRIFT 71 200-220 1959
BY LUNDGREN G DDC NR.
SILLEN L GCP.I.> CONTRACT NR. a1(052)-162
PROJ/TASK NR. 9760-97600

AFOSR 3378
NO CAROLINA, UNIV CHAPEL HILL
SPHERICAL GRAVITATIONAL WAVES
PHYS REV LTRS 6,0491-492,0 APR 1960
BY ROBINSON I. DDC NR.
TRAUTMAN A. CONTRACT NR. AF 49(638)-969
DE WITT B SCP.I.> PROJ/TASK NR. 9776-37669

AFOSR 3379
HARVARD UNIV CAMBRIDGE MASS
THE ALGEBRA OF MICROSCOPIC MEASUREMENT
PROC NAS 45,01502-1513,0 OCT 1959
BY SCHWINGER J. DDC NR.
GLAUBER R JCP.I.> CONTRACT NR. AF 49(638)-389
PROJ/TASK NR. 9776-37669

AFOSR 3380
SYDNEY UNIV AUSTRALIA
THE DIFFERENTIAL ELECTRON DENSITY SPECTRUM OF AIR SHOWERS
AT HIGH DENSITIES
PROC PHYS SOC 78 103-112 1961
BY REID R J DDC NR.
GOPALSINGH K CONTRACT NR. AF 49(638)-862
PAGE D F PROJ/TASK NR. 9776-37669
MALOS J
MILLAR D D
WINTERTON G
IONUMM M
MC CUSKER C B A

AFOSR 3382
UNIVERSITY COLLEGE LONDON ENGLAND
PION-NUCLEON SCATTERING AND PION-PION INTERACTIONS JUN 1962
BY HAMILTON J DDC NR.
MENOTTI P CONTRACT NR. AF EOAR 62-3
OADES G C PROJ/TASK NR. 9750
VICK L L J

AFOSR 3383
MILANO UNIV ITALY
INVESTIGATIONS OF THE EFFECT OF REPEATED HIGH G FORCES ON
FROGS
ATTI CONG INTER D-MED AEROE SPAZ 2 27-31 OCT 1959
BY GUALTIEROTTI T DDC NR.
GALLITELLI L CONTRACT NR. AF 61(052)-29
MARGARIA R PROJ/TASK NR. 9777-37701

AFOSR 3384
ELECTRON MICROSCOPE SOC OF AMERICA PHILA PENNA
ELECTRON MICROSCOPY 5TH INTERNATIONAL CONGRESS FRO ELECTRON
MICROSCOPY PHILA PENNA 29 AUG-5 SEP 1962 ACADEMIC PRESS 62
BY ROFFEY JR C S DDC NR.
ANDERSON T ACP.I.> CONTRACT NR. AF AFOSR 61-76
REISNER J ACP.I.> PROJ/TASK NR. 9763-37691

AFOSR 3389
ILLINOIS UNIV OF URBANA
CYCLOTRON RESONANCE IN AGBR
BY ASCARELLI G DDC NR. 293978
BROWN F C CONTRACT NR. AF AFOSR 62-215
PROJ/TASK NR. 9760-02

AFOSR 3386
PRINCETON UNIV N J
HOMOLOGY THEORY FOR LOCAL COMPACT SPACES
MICHMATH J 7,0137-159,0 1960
BY BOREL A. DDC NR.
MOORE J. C. CONTRACT NR. AF 49(638)-491
PROJ/TASK NR. 9769-37698

AFOSR 3387
MINNEAPOLIS-HONEYWELL REGULATOR CO HOPKINS MINN
GALVANOMAGNETIC COEFFICIENTS OF SINGLE-CRYSTAL TELLURIUM
PHYS REV 129 1958-1964 SEP 1961
BY NUSSBAUM A DDC NR.
MAGER R J CONTRACT NR. AF 49(638)-908
PROJ/TASK NR. 9760-37601

AFOSR 3388
POLYTECHNIC INST OF BROOKLYN N Y
PROCEEDINGS OF THE SYMPOSIUM ON ELECTROMAGNETICS AND FLUID
DYNAMICS OF GASEOUS PLASMA NY 6-6 APR 1961 MICROWAVE RSCH
INST SYMPOSIA SER V. 11 POLYTECHNIC PRESS 1962
BY FOX ED J. DDC NR.
CONTRACT NR. AF 18(600)-1909
PROJ/TASK NR. 4751

AFOSR 3389
CORNELL UNIV ITHACA NY
THE OXIDATION OF COPPER SINGLE CRYSTALS
ELECTRON MICROSCOPY, 5TH INTER CONGRESS FOR PHILA. 29 AUG
5 SEP 1962 ACADEMIC PRESS 1962 V.1 PAPER C-6
BY YODA E DDC NR.
SIEGEL B M CONTRACT NR. AF AFOSR 62-7
PROJ/TASK NR. 9761-02

AFOSR 3390
MARYLAND UNIV OF COLLEGE PARK
TWO-STREAM INSTABILITIES WITH COLLISIONS
PROC OF SYMPOSIUM ON ELECTROMAGNETICS AND FLUID DYNAMICS OF
GASEOUS PLASMA, NY APR 1961 PIB PRESS, PP. 111-119
BY TIDMAN D. A. DDC NR.
WEISS G. H. CONTRACT NR. AF 18(600)-1515
MORTROLL F WCP.I.> PROJ/TASK NR. 9751-97511

AFOSR 3391
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
POWER AND ENERGY RELATIONS IN BIDIRECTIONAL WAVEGUIDES
PROC OF SYMPOSIUM ON ELECTROMAGNETICS AND FLUID DYNAMICS OF
GASEOUS PLASMA, NY APR 1961 PIB PRESS, 1962 PP. 199-210
BY CHORNEY P. DDC NR.
WIESNER J BCP.I.> CONTRACT NR. DA 36-039-SC-78108
PROJ/TASK NR. 4751

AFOSR 3392
STEVENS INST OF TECHNOLOGY HOBOKEN, N J
INTERACTION BETWEEN MAGNETIC FIELDS AND MOVING PLASMAS
PROC SYMPOSIUM ON ELECTROMAGNETICS AND FLUID DYNAMICS OF GASEOUS PLASMA, NY APR 1961 PIB PRESS 1962 PP. 211-260
BY BOSTICK W. H. DDC NR.
CONTRACT NR. AF 49(638)-1051
PROJ/TASK NR. 9762-97521

AFOSR 3393
CORNELL UNIV ITHACA N Y
SOME PARADOXES OF SUB-ALFVENIC FLOW OF A COMPRESSIBLE CONDUCTING FLUID
PROC SYMP ON ELECTROMAG AND FLUID DYN OF GASEOUS PLASMA NY APR 1961 PIB PRESS, 1962 PP. 363-372
BY SEARS W. R. DDC NR.
CONTRACT NR. AF 49(638)-944
PROJ/TASK NR.

AFOSR 3394
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PENNA
DISLOCATION DYNAMICS AT LOW TEMPERATURES
PHYS REV 119 969-990 AUG 1960
BY LOTHE J DDC NR.
HIRTH J P CONTRACT NR. AF 49(638)-951
ROBINSON W H(P.I.) PROJ/TASK NR. 9761-97611

AFOSR 3395
MINNESOTA UNIV OF MINNEAPOLIS
THE MEASUREMENT OF CONDUCTIVITY AND PERMITTIVITY OF SEMICONDUCTOR SPHERES BY AN EXTENSION OF THE CAVITY PERTURBATION METHOD
IRE TRANS ON MICROWAVE THEORY AND TECHNIQUES V. MTT 9 965-991 NOV 1961
BY CHAMPLIN K S DDC NR.
ERDOGAN R R CONTRACT NR. AF 49(638)-767
PROJ/TASK NR. 9769-97691

AFOSR 3396
TECHNION RSCH DEVEL FOUND HAIFA ISRAEL
EXPERIMENTAL INVESTIGATIONS OF THE INSTABILITY OF CONICAL SHELLS UNDER EXTERNAL PRESSURE
BULL RSCH COUNCIL OF ISRAEL 11C,997-122,0 APR 1962
BY SINGER J. DDC NR.
ECKSTEIN A. CONTRACT NR. AF 61(052)-339
PROJ/TASK NR. 9782-97717

AFOSR 3397
USCALIFORNIA INST OF TECHNOLOGY PASADENA
SIMILAR SOLUTIONS OF THE FREE CONVECTION BOUNDARY LAYER EQUATIONS FOR AN ELECTRICALLY CONDUCTING FLUID
ARS J 31 997-998 APR 1961
BY REEVES B. L. DDC NR.
CONTRACT NR. AF49(638)-916
PROJ/TASK NR. 9781-97712

AFOSR 3398
POLYTECHNIC INST OF BROOKLYN, NY
AN APPROACH TO PROBLEM OF OPTIMUM ROCKET TRAJECTORIES
ARS J 31,9991-999,0 APR 1961
BY MOSEROWITZ S. P. DDC NR.
TING L. CONTRACT NR. AF 49(638)-665
FERRI A(P.I.) PROJ/TASK NR. 9781-97712

AFOSR 3399
PURDUE UNIV LAFAYETTE, IND
IMPORTANCE OF COMBUSTION CHAMBER GEOMETRY IN HIGH FREQUENCY OSCILLATIONS IN ROCKET MOTORS
ARS J 31,9482-486,0 APR 1961
BY OSBORN J. R. DDC NR.
BORRELL J. M. CONTRACT NR. AF 49(638)-796
FUCROW M F(P.I.) PROJ/TASK NR. 9751-97510

AFOSR 3400
CALIFORNIA UNIV BERKELEY
NOTES ON SYSTEM THEORY VI OCT 1961
BY WHINNERY J. DDC NR.
PEDERSON D O(P.I.) CONTRACT NR. AF 49(638)-1063
PROJ/TASK NR. 4751

AFOSR 3401
MINNESOTA UNIV OF MINNEAPOLIS
EXPLICIT FORMS FOR THE CONDUCTIVITY AND PERMITTIVITY OF BULK SEMICONDUCTORS IN WAVEGUIDES
PROC IRE 50 FEB 1962
BY CHAMPLIN K S DDC NR.
ARMSTRONG D B CONTRACT NR. AF 49(638)-767
PROJ/TASK NR. 9769-97691

AFOSR 3402
GENERAL ELECTRIC CO, PHILADELPHIA, PA
END EFFECTS IN INVISCID FLOW IN A MAGNETOHYDRODYNAMIC CHANNEL
J FLUID MECH 11,9121-132,0 AUG 1961
BY SUTTON G. W. DDC NR.
CARLSON A. W. CONTRACT NR. AF 49(638)-914
PROJ/TASK NR. 9750-97501

AFOSR 3403
NEW YORK UNIV N Y
A SIMPLIFIED ANALYSIS OF SPHERICAL AND CYLINDRICAL BLAST WAVES
J FLUID MECH 11 1 15 AUG 1961
BY FRIEDMAN M P DDC NR.
KELLER H B CONTRACT NR. AF 49(638)-44
PROJ/TASK NR. 9781-97712

AFOSR 3404
SYRACUSE UNIV N Y
MAKING SMALL IRON SPHERES BY MELTING IRON POWDER
REV SCI INSTR 33,9696,0 JUN 1962
BY STOVER R. DDC NR.
TRISCHKA J. W. CONTRACT NR. AF AFOSR 60-25
PROJ/TASK NR. 9767

AFOSR 3405
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
REPLY TO COMMENTS OF J D JONES
PHYS OF FLUIDS 3,9118,0 SEP 1961
BY HIRSHFIELD J. L. DDC NR.
WIESNER J B(P.I.) CONTRACT NR. DA 36-039-SC-78108
PROJ/TASK NR. 4751

AFOSR 3406
TECHNISCHE HOHESCHULE MUNICH GERM
STUDIES OF THE CHANGE OF THE CONCENTRATIONS OF INTERMEDIATE DURING PHOTOSYNTHESIS OF CHLORELLA AND ISOLATED CHLOROPLAST
BY KANDLER O DDC NR. 281132
CONTRACT NR. AF 61(052)-244
PROJ/TASK NR. 9777-05

AFOSR 3407
UNIVERSITY COLLEGE OF WALES ABERYSTWYTH
ATTEMPTS TO DETECT LYCOPERSENE IN CAROTENOGENIC SYSTEMS
BIOCHEM J 81 60 1961
BY DAVIES B H DDC NR.
GOODWIN T W CONTRACT NR. AF 61(052)-359
MERCER E I PROJ/TASK NR. 9777-05
GOODWIN T W(P.I.)

AFOSR 3408
CORNELL UNIV ITHACA, N Y
ON THE CONCEPTS OF MOVING ELECTRIC AND MAGNETIC FIELDS IN MAGNETOHYDRODYNAMICS
J AERO/SPACE SCI 26 674-679 OCT 1959
BY MCCUNE, J. E. DDC NR.
SEARS W. R. CONTRACT NR. AF 49(638)-944
PROJ/TASK NR.

AFOSR 3409
CALIFORNIA UNIV OF BERKELEY
AZBEL,-KANER RESONANCE IN TIN WITH MAGNETIC FIELD PERPENDICULAR TO THE SURFACE
PHYS REV LTRS 8 473-476 JUN 1962
BY ROCH J F DDC NR.
KIP A F CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9760-97601

AFOSR 3410
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN METALS- EXPERIMENTAL
FERMI SURFACE, WILEY, 1960 PP. 166-193
BY KIP A F DDC NR.
CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9760-97601

AFOSR 3411
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN ALUMINUM
PHYS REV LTRS 3 137-138 AUG 1959
BY LANGENBERG D N DDC NR.
MOORE T W CONTRACT NR. AF 49(638)-600
KIP A F(P.I.) PROJ/TASK NR. 9760-97601

AFOSR 3412
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN COPPER
PHYS REV LTRS 3 328-330 OCT 1959
BY LANGENBERG D N DDC NR.
MOORE T W CONTRACT NR. AF 49(638)-600
KIP A F(P.I.) PROJ/TASK NR. 9760-97601

AFOSR 3413
CASE INST OF TECHNOLOGY CLEVELAND, O
LOW FIELD DE HASS-VAN ALPHEN STUDIES OF THE FERMI SURFACE OF MAGNESIUM
FERMI SURFACE, WILEY, 1960 PP. 86-87
BY GORDON W L DDC NR.
JOSEPH A S CONTRACT NR. AF 49(638)-621
ECK T G PROJ/TASK NR. 9760-97601

AFOSR 3414
CALIFORNIA INST OF TECHNOLOGY, PASADENA
BEARINGS FOR HIGH VACUUM APPLICATIONS
REV SCI INSTR 31 976 MAY 1960
BY WILLEMS R H DDC NR.
DUWEZ P(P.I.) CONTRACT NR. AF 18(600)-1961
PROJ/TASK NR. 9760-97601

AFOSR 3415
CENTRE NATIONAL DE LA RECH SCI FRANCE
SLOW WAVES AND ASSOCIATED SPIKING IN NERVE CELLS OF APLYSIA
BULL DE L-INST OCEANOGRAPHIQUE NR 1220 DEC 1961
BY ARVANITAKI A DDC NR.
CHALAZONITIS N CONTRACT NR. AF EOAR-61-30
PROJ/TASK NR. 9777-04

AFOSR 3416
JOHNS HOPKINS UNIV, BALTIMORE MD
ON TRANSITION EXPERIMENTS AT MODERATE SUPERSONIC SPEEDS
J AERO SCI 24 684-686 JUL 1957
BY MORKOVIN M. V. DDC NR.
CONTRACT NR. AF 49(638)-696
PROJ/TASK NR. 9781-97712

AFOSR 3417
CALIFORNIA UNIV OF, LOS ANGELES
THEORETICAL SOLUTIONS TO SOME NEARLY FREE MOLECULAR PROBLEMS
RAREFIED GAS DYNAMICS, PERGAMON PRESS 1960 PP. 266-297
BY WILLIS D. R. DDC NR.
MERRICK S. (P.I.) CONTRACT NR. AF 49(638)-698
PROJ/TASK NR. 9781-02

AFOSR 3418
CORNELL UNIV, ITHACA N Y
SEP 1959 LOSSES IN A JET-FLAP COMPRESSOR CASCADE, A THESIS
BY BROCHER E. F. DDC NR.
SEARS W. R. (P.I.) CONTRACT NR. AF 49(638)-944
PROJ/TASK NR.

AFOSR 3392
STEVENS INST OF TECHNOLOGY HOBOKEN, N J
INTERACTION BETWEEN MAGNETIC FIELDS AND MOVING PLASMAS
PROC SYMPOSIUM ON ELECTROMAGNETICS AND FLUID DYNAMICS OF GASEOUS PLASMA, NY APR 1961PIB PRESS 1962 PP. 211-248
BY BOSTICK W. H. DDC NR.
CONTRACT NR. AF 49(638)-1051
PROJ/TASK NR. 9752-37521

AFOSR 3393
CORNELL UNIV ITHACA N Y
SOME PARADOXES OF SUB-ALFVENIC FLOW OF A COMPRESSIBLE CONDUCTING FLUID
PROC SYMP ON ELECTROMAG AND FLUID DYN OF GASEOUS PLASMA NY APR 1961 PIB PRESS, 1962 PP. 363-372
BY SEARS W. R. DDC NR.
CONTRACT NR. AF 49(638)-544
PROJ/TASK NR.

AFOSR 3394
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PENNA
DISLOCATION DYNAMICS AT LOW TEMPERATURES
PHYS REV 115 543-550 AUG 1959
BY LOTHE J DDC NR.
HIRTH J P CONTRACT NR. AF 49(638)-551
ROBINSON W H(P.I.) PROJ/TASK NR. 9761-37611

AFOSR 3395
MINNESOTA UNIV OF MINNEAPOLIS
THE MEASUREMENT OF CONDUCTIVITY AND PERMITTIVITY OF SEMICONDUCTOR SPHERES BY AN EXTENSION OF THE CAVITY PERTURBATION METHOD
IRE TRANS ON MICROWAVE THEORY AND TECHNIQUES V. MTT 9 545-551 NOV 1961
BY CHAMPLIN K S DDC NR.
KRONGARD R R CONTRACT NR. AF 49(638)-747
PROJ/TASK NR. 9763-37631

AFOSR 3396
TECHNION RSCH DEVEL FOUND HAIFA ISRAEL
EXPERIMENTAL INVESTIGATIONS OF THE INSTABILITY OF CONICAL SHELLS UNDER EXTERNAL PRESSURE
BULL RSCH COUNCIL OF ISRAEL 11C,•97-122,• APR 1962
BY SINGER J. DDC NR.
ECKSTEIN A. CONTRACT NR. AF 61(052)-339
PROJ/TASK NR. 9782-37717

AFOSR 3397
U6CALIFORNIA INST OF TECHNOLOGY PASADENA
SIMILAR SOLUTIONS OF THE FREE CONVECTION BOUNDARY LAYER EQUATIONS FOR AN ELECTRICALLY CONDUCTING FLU/D
ARS J 31 557-558 APR 1961
BY REEVES B. L. DDC NR.
CONTRACT NR. AF 49(638)-916
PROJ/TASK NR. 9781-37712

AFOSR 3398
POLYTECHNIC INST OF BROOKLYN, NY
AN APPROACH TO PROBLEM OF OPTIMUM ROCKET TRAJECTORIES
ARS J 31,•551-559,• APR 1961
BY MOSKOWITZ S. E. DDC NR.
TING L. CONTRACT NR. AF 49(638)-445
FERRI A(PI) PROJ/TASK NR. 9781-37712

AFOSR 3399
PURDUE UNIV LAFAYETTE, IND
IMPORTANCE OF COMBUSTION CHAMBER GEOMETRY IN HIGH FREQUENCY OSCILLATIONS IN ROCKET MOTORS
ARS J 31,•482-486,• APR 1961
BY OSBORN J. R. DDC NR.
BORRELL J. M. CONTRACT NR. AF 49(638)-756
ZUCROW M F(PI) PROJ/TASK NR. 9751-37910

AFOSR 3400
CALIFORNIA UNIV BERKELEY
NOTES ON SYSTEM THEORY VI OCT 1961
BY WHINNERY J. DDC NR.
PEDERSON D O(PI) CONTRACT NR. AF 49(638)-1043
PROJ/TASK NR. 4751

AFOSR 3401
MINNESOTA UNIV OF MINNEAPOLIS
EXPLICIT FORMS FOR THE CONDUCTIVITY AND PERMITTIVITY OF BULK SEMICONDUCTORS IN WAVEGUIDES
PROC IRE 50 FEB 1962
BY CHAMPLIN K S DDC NR.
ARMSTRONG D B CONTRACT NR. AF 49(638)-747
PROJ/TASK NR. 9763-37631

AFOSR 3402
GENERAL ELECTRIC CO, PHILADELPHIA, PA
END EFFECTS IN INVISCID FLOW IN A MAGNETOHYDRODYNAMIC CHANNEL
J FLUID MECH 11,•121-132,• AUG 1961
BY SUTTON G. W. DDC NR.
CARLSON A. W. CONTRACT NR. AF 49(638)-914
PROJ/TASK NR. 9750-37501

AFOSR 3403
NEW YORK UNIV N Y
A SIMPLIFIED ANALYSIS OF SPHERICAL AND CYLINDRICAL BLAST WAVES
J FLUID MECH 11 1 15 AUG 1961
BY FRIEDMAN M P DDC NR.
KELLER H B CONTRACT NR. AF 49(638)-44
PROJ/TASK NR. 9781-37712

AFOSR 3404
SYRACUSE UNIV N Y
MAKING SMALL IRON SPHERES BY MELTING IRON POWDER
REV SCI INSTR 33,•696,• JUN 1962
BY STOVER R. DDC NR.
TRISCHKA J. W. CONTRACT NR. AF AFOSR 60-23
PROJ/TASK NR. 9767

AFOSR 3405
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
REPLY TO COMMENTS OF J D JUKES
PHYS OF FLUIDS J,•1185,• SEP 1961
BY HIRSHFIELD J. L. DDC NR.
WIESNER J B(PI) CONTRACT NR. DA 36-039-SC-78108
PROJ/TASK NR. 4751

AFOSR 3406
TECHNISCHE HOHSCHULE MUNICH GERM
STUDIES OF THE CHANGE OF THE CONCENTRATIONS OF INTERMEDIATE DURING PHOTOSYNTHESIS OF CHLORELLA AND ISOLATED CHLOROPLAST
BY KANDLER O DDC NR. 283132
CONTRACT NR. AF 61(052)-244
PROJ/TASK NR. 9777-05

AFOSR 3407
UNIVERSITY COLLEGE OF WALES ABERYSTWYTH
ATTEMPTS TO DETECT LYCOPERSENE IN CAROTENOGENIC SYSTEMS
BIOCHEM J 81 40 1961
BY DAVIS B H DDC NR.
GOODWIN T W CONTRACT NR. AF 61(052)-355
MERCER E I PROJ/TASK NR. 9777-05
GOODWIN T W(P.I.)

AFOSR 3408
CORNELL UNIV ITHACA, N Y
ON THE CONCEPTS OF MOVING ELECTRIC AND MAGNETIC FIELDS IN MAGNETOHYDRODYNAMICS
J AERO/SPACE SCI 26 674-675 OCT 1959
BY MCCUNE, J. E. DDC NR.
SEARS W. R. CONTRACT NR. AF 49(638)-544
PROJ/TASK NR.

AFOSR 3409
CALIFORNIA UNIV OF BERKELEY
AZBEL'-KANER RESONANCE IN TIN WITH MAGNETIC FIELD PERPENDICULAR TO THE SURFACE
PHYS REV LTRS 8 473-476 JUN 1962
BY KOCH J F DDC NR.
KIP A F CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9760-37601

AFOSR 3410
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN METALS- EXPERIMENTAL
FERMI SURFACE, WILEY, 1960 PP. 146-153
BY KIP A F DDC NR.
CONTRACT NR. AF 49(638)-600
PROJ/TASK NR. 9760-37601

AFOSR 3411
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN ALUMINUM
PHYS REV LTRS 3 137-138 AUG 1959
BY LANGENBERG D N DDC NR.
MOORE T W CONTRACT NR. AF 49(638)-600
KIP A F (P.I.) PROJ/TASK NR. 9760-37601

AFOSR 3412
CALIFORNIA UNIV OF BERKELEY
CYCLOTRON RESONANCE IN COPPER
PHYS REV LTRS 3 320-330 OCT 1959
BY LANGENBERG D N DDC NR.
MOORE T W CONTRACT NR. AF 49(638)-600
KIP A F(P.I.) PROJ/TASK NR. 9760-37601

AFOSR 3413
CASE INST OF TECHNOLOGY CLEVELAND, O
LOW FIELD DE HASS-VAN ALPHEN STUDIES OF THE FERMI SURFACE OF MAGNESIUM
FERMI SURFACE, WILEY, 1960 PP. 84-87
BY GORDON W L DDC NR.
JOSEPH A S CONTRACT NR. AF 49(638)-621
ECK T G PROJ/TASK NR. 9760-37601

AFOSR 3414
CALIFORNIA INST OF TECHNOLOGY, PASADENA
BEARINGS FOR HIGH VACUUM APPLICATIONS
REV SCI INSTR 31 574 MAY 1960
BY WILLERS R H DDC NR.
DUNEZ P(P.I.) CONTRACT NR. AF 18(600)-1561
PROJ/TASK NR. 9760-37601

AFOSR 3415
CENTRE NATIONAL DE LA RECH SCI FRANCE
SLOW WAVES AND ASSOCIATED SPIKING IN NERVE CELLS OF APLYSIA
BULL DE L-INST OCEANOGRAPHIQUE NR 1224 DEC 1961
BY ARVANITAKI A DDC NR.
CHALAZONITIS N CONTRACT NR. AF EOAR-61-30
PROJ/TASK NR. 9777-04

AFOSR 3416
JOHNS HOPKINS UNIV, BALTIMORE MD
ON TRANSITION EXPERIMENTS AT MODERATE SUPERSONIC SPEEDS
J AERO SCI 24 480-486 JUL 1957
BY MORKOVIN M. V. DDC NR.
CONTRACT NR. AF 49(638)-496
PROJ/TASK NR. 9781-37712

AFOSR 3417
CALIFORNIA UNIV OF, LOS ANGELES
THEORETICAL SOLUTIONS TO SOME NEARLY FREE MOLECULAR PROBLEMS
RAREFIED GAS DYNAMICS, PERGAMON PRESS 1960 PP. 246-257
BY WILLIS D. R. DDC NR.
HERRICK S. (P.I.) CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-02

AFOSR 3418
CORNELL UNIV, ITHACA N Y
SEP 1959 LOSSES IN A JET-FLAP COMPRESSOR CASCADE, A THESIS
BY BROCHER E. F. DDC NR.
SEARS W. R. (P.I.) CONTRACT NR. AF 49(638)-544
PROJ/TASK NR.

AFOSR 3419
LEHIGH UNIV. BETHLEHEM PA
VECTOR FIELDS AND INFINITESIMAL TRANSFORMATIONS ON ALMOST-HERMITIAN MANIFOLDS WITH BOUNDARY SEP 1961
BY HILT A. L. — DDC NR.
HSIUNG C <PI> — CONTRACT NR. AF 49(638)-1009
PROJ/TASK NR. 9769-37658

AFOSR 3420
CAMBRIDGE UNIV OF ENGLAND
DEFORMATION TWINNING IN ALLOYS AT LOW TEMPERATURES
PHIL MAG 7 361-375 MAR 1962
BY THORNTON P R — DDC NR.
MITCHELL T E — CONTRACT NR. AF 61(052)-98
PROJ/TASK NR. 9760-37601

AFOSR 3421
CAMBRIDGE UNIV ENGLAND
THE STRAIN-RATE DEPENDENCE OF THE FLOW STRESS OF COPPER SINGLE CRYSTALS
PHIL MAG 7 337-358 FEB 1962
BY THORNTON P R — DDC NR.
MITCHELL T E — CONTRACT NR. AF 61(052)-98
HIRSCH P B — PROJ/TASK NR. 9760-37601

AFOSR 3422
TRAINING CENTER EXPERIMENTAL AERODYNAMICS. BRUSSELS BELGIUM
FEB 1962 ON THE EXISTENCE OF CROSS FLOWS IN SEPARATED SUPERSONIC STREAMS
BY GINOUX J. J. — DDC NR. 274761
CONTRACT NR. AF 61(052)-350
PROJ/TASK NR. 9781-37712

AFOSR 3423
TECHNISCHE HOCHSCHULE. MUNICH GERM
A DIFFERENCE METHOD FOR APPROXIMATE SOLUTIONS OF INITIAL N ALUE PROBLEMS FOR SYSTEMS OF HALF-LINOR PARTIAL DIFFFRENTIAL EQUATIONS 1 AXIOMS
BY ALBRECHT R — DDC NR.
URICH W — CONTRACT NR. AF EOAR 61-21
PROJ/TASK NR. 9781-01

AFOSR 3424
SYRACUSE UNIV NY
A VERY HIGH TEMPERATURE INFRARED CELL FOR PURE LIQUIDS OR SOLUTIONS
APPL OPTICS 493-495 JUL 1962
BY FISHMAN E — DDC NR.
CONTRACT NR. AF 49(638)-03
PROJ/TASK NR. 9760-37600

AFOSR 3425
CHICAGO UNIV OF ILL
SELF-DIFFUSION OF LEAD. THALLIUM AND BISMUTH IN THE SOLID LEAD-THALLIUM SYSTEM
J PHYS CHEM SOLIDS 21 40-56 1961
BY RESING H A — DDC NR.
NACHTRIEB N H — CONTRACT NR. AF 18(600)-1489
PROJ/TASK NR. 9761-37610

AFOSR 3426
ILLINOIS UNIV URBANA
TUNNEL DIODE DETECTOR MAY 1962
BY YASUI T. — DDC NR. 282917
MAYEDA W. — CONTRACT NR. DA 36-039-SC-85122
ALPERT D A<PI> — PROJ/TASK NR. 4751

AFOSR 3427
STANFORD UNIV CALIF
BLACK-BODY DISTRIBUTON LAW IN SEMICLASSICAL RADIATION THEOR
APR 1962
BY EBERLY J H — DDC NR.
GINZTON E<P.I.> — CONTRACT NR. NONR 225-48
CHODOROW M<P.I.> — PROJ/TASK NR. 4751

AFOSR 3428
STANFORD UNIV CALIF
GENERATION OF SUB-MILLIMETER RADIATION BY A BUNCHED BEAM OF RELATIVISTIC ELECTRONS JUL 1962
BY SZENTE P — DDC NR.
GINZTON E <P.I.> — CONTRACT NR. NONR 225-48
CHODOROW M<P.I.> — PROJ/TASK NR. 4751

AFOSR 3429
PENNYSLVANIA UNIV OF. PHILADELPHIA
JUN 1962 AMBIGUITY-PREVENTING NORMAL FORMS FOR SYNTAX SPECIFICATION
BY COTTON R. M. — DDC NR. 285579
GORN S. <P.I.> — CONTRACT NR. AF 49(638)-951
PROJ/TASK NR. 9769-37659

AFOSR 3431
CINCINNATI UNIV OF O
THE FORMATION OF CARBON-METAL BONDS
JACS 84 1172-1178 1962
BY DESSY R E — DDC NR.
BUDDE W — CONTRACT NR. AF 49(638)-824
WOODRUFF C — PROJ/TASK NR. 9760-37600

AFOSR 3432
MICHIGAN UNIV OF ANN ARBOR
ABUNDANCES OF ELEMENTS IN STARS AND NEBULAE<
SPECTRAL LINE STRENGHTS FROM ASTROPHYSICAL DATA> JUL 1962
BY ALLER L. H. — DDC NR.
CONTRACT NR. AF 49(638)-807
PROJ/TASK NR. 9774-01

AFOSR 3433
MICHIGAN UNIV OF ANN ARBOR
ADUNDANCES OF ELEMENTS IN STARS AND NEBULAE<DETERMINATION OF GAS PRESSURE TO ELECTRON PRESSURE IN STELLAR ATMOSPHERES>
BY COWLEY C. — DDC NR.
COWLEY A. — CONTRACT NR. AF 49(638)-807
ALLER L H<PI> — PROJ/TASK NR. 9774-01

AFOSR 3434
MICHIGAN UNIV OF ANN ARBOR
ABUNDANCES OF ELEMENTS IN STARS AND NEBULAE< THE MANGANESE STAR 53 TAURI> JUL 1962
BY ALLER L. H. — DDC NR.
BIDELMAN W. P. — CONTRACT NR. AF 49(638)-807
PROJ/TASK NR. 9774-01

AFOSR 3435
NEW YORK UNIV NY
SHANNON-S THEORY AND FEEDBACK SYSTEMS INSTRUMENTS AND REGULATORS CONF CLEVELAND 29 MR-2 AP 59
BY CHANG S S L — DDC NR.
RAGAZZINI J R<P.I.> — CONTRACT NR. AF 49(638)-586
PROJ/TASK NR. 9768-37650

AFOSR 3436
NEW YORK UNIV NY
ADAPTIVE INFORMATION PROCESSING
WESTERN ELECTRONIC SHOW AND CONVENTION. LOS ANGELES 21-24 AUG 1962
BY CHANG S S L — DDC NR.
RAGOZZINI J R<P.I.> — CONTRACT NR. AF AFOSR 62-321
PROJ/TASK NR. 9768-01

AFOSR 3437
STANFORD UNIV CALIF
THE OPTIMUM RESPONSE OF SECOND ORDER. VELOCITY-CONTROLLED SYSTEMS WITH CONTACTOR CONTROL
BY FLUGGE-LOTZ I — DDC NR.
YIN M — CONTRACT NR. AF 49(638)-513
PROJ/TASK NR. 9783-37726

AFOSR 3438
AERORSCH INST OF SWEDEN
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF SECOND-ORDER SUPERSONIC WING-BODY INTERFERENCE
J AERO SP SCI 27 694-702 SEP 1960
BY LANDAHL. M. — DDC NR.
DROUGGE. G. — CONTRACT NR. AF 61(052)-52
BEANE B. — PROJ/TASK NR. 9781-37712

AFOSR 3439
NORTHWESTERN UNIV EVANSTON ILL
CONCEPTUAL STRUCTURE AND GROUP PROCESSES IN AN INTER-NATION SIMULATION PART ONE THE PERCEPTION OF SIMULATED NATIONS
APR 1962
BY DRIVER M J — DDC NR.
GUETZKOW H — CONTRACT NR. AF 49(638)-742
PROJ/TASK NR. 9779-03

AFOSR 3440
MAX-PLANCK INST FUR AERONOMIE GERMANY
TIME PATTERN OF IONIZING RADIATION IN BALLOON ALTITUDES IN HIGH LATITUDES. PT. A. TEXT. PT. B. FIGURES AND DIAGRAMS FINAL REPORT AUG 1962
BY PFOTZER G. — DDC NR. 284488
BY — DDC NR. 284490
EHMERT A. — CONTRACT NR. AF 61(052)-372
KEPPLER E — PROJ/TASK NR. 9774-37665

AFOSR 3441
HEBREW UNIV JERUSALEM ISRAEL
HYPERFINE INTERACTIONS OF THE 26 STATE IN DY 160 SITUATED IN DYSPROSIUM IRON GARNET USING - ANGULAR CORRELATION T TECHNIQUE
BY COHEN S G — DDC NR. 284411
GILAT G — CONTRACT NR. AF 61(052)-347
PROJ/TASK NR. 9763-37631

AFOSR 3442
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS TORINO ITALY
CALCULATIONS ABOUT BARRIER-INJECTION ELECTROLUMINESCENCE
BY BONFIGLIOLI G — DDC NR. 284386
BROVETTO P — CONTRACT NR. AF 61(052)-328
SAURDO A — PROJ/TASK NR. 9760-37601

AFOSR 3443
JOHNS HOPKINS UNIV BALTIMORE MD
THE GOITROGENIC ACTIVITY OF PEROXIDASE
JOHNS HOPKINS HOSPITAL 110 232 1962.
BY ISAACS J P — DDC NR.
LAMB J C — CONTRACT NR. AF 49(638)-580
MYERS J A — PROJ/TASK NR. 9777-3702
GOTTLIEB. F I

AFOSR 3444
MASSACHUSETTS GENERAL HOSPITAL BOSTON
THE EFFECT OF THYROID HORMONES AND TEMPERATURE ON THE KINETICS OF CONTRACTION AND RELAXATION OF VENTRICULAR HEART MUSCLE
BUL JOHNS HOPKINS HOSPITAL 157-182 OCT 1958
BY BREWSTER W R — DDC NR.
ISAACS J P — CONTRACT NR. AF 49(638)-98
OSGOOD P R — PROJ/TASK NR. 9777-37701
NYLANDER A M
CHOCK R Y W

AFOSR 3445
MAUDSLEY HOSPITAL LONDON ENGLAND
BASIC PROTEINS AND THE POTASSIUM MOVEMENTS AND PHOSPHATES OF CEREBRAL TISSUES
BIOCHEM J 81 79-83 1961
BY MCILWAIN H — DDC NR.
WOODMAN R J — CONTRACT NR. AF 61(052)-404
CUMMINS J T — PROJ/TASK NR. 9777-01

AFOSR 3446
MAUDSLEY HOSPITAL LONDON ENGLAND
FLUID CONTENT AND COMPARTMENTS IN ISOLATED CEREBRAL TISSUES
J NEUROCHEM 8 262-275 1961
BY VARON S — DDC NR.
MCILWAIN H — CONTRACT NR. AF 61(052)-404
PROJ/TASK NR. 9777-01

AFOSR 3675
STANFORD UNIV CALIF
CHEMICAL APPLICATIONS OF NUCLEAR MAGNETIC RESONANCE FINAL
REPORT 1962
BY OGG R A
SKOOG
DDC NR.
CONTRACT NR. AF 49(638)-286
PROJ/TASK NR. 9760-37600

AFOSR 3676
ILLINOIS UNIV OF URBANA
ATTEMPTED PREPARATION OF 2-AZABICYCLOOCTATRIENE
J ORG CHEM 27 520 1962
BY MILLER S I
KIKKAWA S
BARTOSIEWICZ R L
DDC NR.
CONTRACT NR. AF 49(638)-99
PROJ/TASK NR. 9762-37620

AFOSR 3677
ARMOUR RSCH FOUND CHICAGO ILL
PRESSURE EFFECTS IN LUMINESCENCE
SOLID STATE PHYSICS IN ELECTRONICS AND COMMUNICATION INTER
CONF ON BRUSSELS 1958 ED BY M DESIRANT J L MICHIELS
MAGNETIC AND OPTICAL PROPERTIES PART 2 p 697-706 ACADEMIC
PRESS LONDON 1960
BY REIFFEL L
DDC NR.
CONTRACT NR. AF 49(638)-119
PROJ/TASK NR. 9763-37631

AFOSR 3678
STANFORD RSCH INST MENLO PARK CALIF
ENERGIES AND VIBRATIONAL FREQUENCIES OF GASEOUS ALKALI
HALIDE M2X2 IONS
J CHEM PHYS 00 1610-1621 JUN 59
BY CUBICCIOTTI D
MILNE T A
DDC NR.
CONTRACT NR. AF 49(638)-89
PROJ/TASK NR. 9760-37600

AFOSR 3679
LUND UNIV OF SWEDEN
RESEARCH ON EFFECTS OF ACETYLCHOLINE ON THE MAMMALIAN MOTOR
END-PLATE AUG 1962 FINAL REPORT
BY THESLEFF S
DDC NR. 284909
CONTRACT NR. AF 61(052)-106
PROJ/TASK NR. 9777-01

AFOSR 3680
UPPSALA UNIV OF SWEDEN
HISTOLOGY OF THE SURGICAL RADIOLESION IN THE HUMAN BRAIN
AS PRODUCED BY HIGH ENERGY
BY MAIR W
BERED B
SOURANDER P
LARSSON B(P.I.)
DDC NR. 284991
CONTRACT NR. AF 61(052)-101
PROJ/TASK NR. 9777-01

AFOSR 3681
PENNSYLVANIA UNIV OF, PHILADELPHIA
DETECTION OF GENERATIVE AMBIGUITIES IN CONTEXT-FREE
MECHANICAL LANGUAGES. 1962
F P CORIG 62-SESSION 39 SYMPOS LANG FOR PROCESSOR CONSTION
MUNICH 27 AG-19 1962
BY GORN S.
DDC NR.
CONTRACT NR. AF 49(638)-951
PROJ/TASK NR. 9769-02

AFOSR 3682
PENNSYLVANIA UNIV OF PHILADELPHIA
THE COMPUTER AND INFORMATION SCIENCES A NEW BASIC DISCIPLINE
F P CORG 62 SESSION 50 PANEL DISCUSSION ON UNIVERSITY EDUC
IN INFO PROCESSING MUNICH 27A9-151962
BY GORN S.
DDC NR.
CONTRACT NR. AF 49(638)-951
PROJ/TASK NR. 9769-02

AFOSR 3683
KANSAS UNIV OF LAWRENCE
LOW TEMPERATURE VOLTAMMETRY FINAL REPORT 1962
BY ADAMS R N
DDC NR.
CONTRACT NR. AF 49(638)-822
PROJ/TASK NR. 9763-37600

AFOSR 3684
RIAS INC BALTIMORE MD
ON THE PIGMENT ABSORBING AT 780 MA OCCURRING IN SOME BLUE
GREEN ALGAE
PLANT PHYSIOL 37 637-639 SEP 1962
BY GASSNER F A
COR B(P.I.)
DDC NR.
CONTRACT NR. AF 49(638)-967
PROJ/TASK NR. 9777-09

AFOSR 3685
YALE UNIV NEW HAVEN CONN
KINETICS OF UNIMOLECULAR AND HALOGEN ATOM REACTIONS FINAL
REPORT SEP 1962
BY CHESICK J P
DDC NR.
CONTRACT NR. AF 49(638)-727
PROJ/TASK NR. 9760-37600

AFOSR 3686
PITTSBURGH UNIV OF PA
STRUCTURE OF CRYSTALLINE HYDRATES OF ORGANIC MOLECULES AND
IONS FINAL REPORT AUG 1962
BY JEFFREY G A
DDC NR. 280129
CONTRACT NR. AF 49(638)-656
PROJ/TASK NR. 9760-37600

AFOSR 3687
FREE UNIV OF BRUSSELS BELGIUM
KINETIC EQUATION FOR AN UNSTABLE PLASMA 1962
BY BALESCU R.
PRIGOGINE I(P.I.)
DDC NR. 285451
CONTRACT NR. AF EOAR 62-16
PROJ/TASK NR. 9751-02

AFOSR 3688
MARYLAND UNIV OF COLLEGE PARK
CORRECTIONS TO THE DIELECTRIC CONSTANT OF A DEGENERATE
ELECTRON GAS AIM 1962
BY GLICK A J
FERRELL R A(P.I.)
MYERS R(P.I.)
DDC NR.
CONTRACT NR. AF AFOSR 62-66
PROJ/TASK NR. 9763-02

AFOSR 3689
MARYLAND UNIV OF COLLEGE PARK
SOME PROPERTIES OF DIELECTRIC CONSTANT AND PHONON FREQUENCY
IN A SUPERCONDUCTOR JUN 1962
BY NISHIYAMA T
FERRELL R A(P.I.)
MYERS R(P.I.)
DDC NR.
CONTRACT NR. AF AFOSR 62-66
PROJ/TASK NR. 9763-02

AFOSR 3690
MARYLAND UNIV OF COLLEGE PARK
HARMONIC FUNCTIONS IN FOUR VARIABLES WITH ALGEBRAIC
AND RATIONAL PO ASSOCIATES JUL 1962
BY GILBERT R P
WEINSTEIN A(P.I.)
DDC NR. 283860
CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR 3691
NO CAROLINA UNIV OF CHAPEL HILL
THE QUANTIZATION OF GEOMETRY NOV 1960
BY DE WITT B. S.
DDC NR. 284913
CONTRACT NR. AF 49(638)-563
PROJ/TASK NR. 9776-37665

AFOSR 3692
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
NOV 1960 AN ANALYTICAL AND EXPERIMENTAL INVESTIGATION OF
LAMINAR AND TURBULENT AIR FLOW IN A TUYF WITH AN ENTRANCE
MACH NUMBER OF PIVF, A THESIS
BY BROWN G. A.
KAYE J (P.I.)
DDC NR.
CONTRACT NR. AF 49.638(-662
PROJ/TASK NR. 9781-37712

AFOSR 3693
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
MAY 1962 AN ANALYTICAL AND EXPERIMENTAL INVESTIGATION OF
ANNULAR INJECTION OF HELIUM INTO A SUPERSONIC AIR CORE
BY KEMPER C. A.
DDC NR.
CONTRACT NR. AF 49.638(-662
PROJ/TASK NR. 9781-37712

AFOSR 3696
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
ON PERTURBED BOUNDARY LAYER FLOWS JUN 1962
BY MCCLURE J D
ASHLEY H(P.I.)
DDC NR. 283677
CONTRACT NR. AF AFOSR 62-187
PROJ/TASK NR. 9781-37712

AFOSR 3695
GEORGIA UNIV ATHENS
STUDIES IN ORGANIZATIONAL EFFECTIVENESS 1962
BY ROWERS R V
DDC NR. 290269
CONTRACT NR. AF 49(638)-804
PROJ/TASK NR. 9778-37707

AFOSR 3696
CALIFORNIA UNIV OF BERKELEY
A SOLUTION TO THE FREQUENCY-IN DEPENDENT ANTENNA
PROBLEM JAN 1962
BY CHEO R. R.
RUMSEY V. H.
WELCH W. J.
WHITNEY J.
DDC NR.
CONTRACT NR. AF 49(638)-1069
PROJ/TASK NR. 6751

AFOSR 3697
MINNESOTA UNIV OF MINNEAPOLIS
THERMAL DIFFUSION IN LAMINAR BOUNDARY LAYERS OF BINARY
MIXTURES OVER A SOLID, ADIABATIC FLAT PLATE MAY 1962
BY MAYDAY A. A.
ECKERT E. R. G.
MINKOWYCE W. J.
DDC NR. 283769
CONTRACT NR. AF 49(638)-958
PROJ/TASK NR. 9781-37712

AFOSR 3698
POLYTECHNIC INST OF BROOKLYN N Y
COMBUSTION INSTABILITY, & SHOCK WAVE PROPAGATION IN A
LIQUID PROPELLANT ROCKET MOTOR JUN 1962
BY CHINITZ W.
AGOSTA V. D.
DDC NR. 284869
CONTRACT NR. AF 49(638)-165
PROJ/TASK NR. 9751-01

AFOSR 3701
MARYLAND UNIV COLLEGE PARK
SCATTERING FOR THE K- MESON FROM THE DEUTERON
BY BHATIA A. B.
STROLL J(P.I.)
DDC NR.
CONTRACT NR. AF 49(638)-76
PROJ/TASK NR. 9751-01

AFOSR 3702
CALIFORNIA UNIV OF BERKELEY
DUCTILE CERAMICS RESEARCH FINAL REPORT AUG 1962
BY PARKER E R
PASE J A
WASHBURN
DDC NR. 283585
CONTRACT NR. AF 49(638)-601
PROJ/TASK NR. 6750-02

AFOSR 3703
NATIONAL BUREAU OF STANDARDS, WASH DC
INDIRECT TRANSITION S IN INDIUM ANTIMONIDE
PHYS REV 101 861-862 AUG 1956
BY POTTER R F
DDC NR.
CONTRACT NR. OSD 670-53-12
PROJ/TASK NR. 7772-19741

AFOSR 3704
STANFORD RESEARCH INST MENLO PARK CALIF
ECONOMIC FACTORS IN FURNACE DESIGN
J SOLAR ENERGY SCI & ENGIN 1 28-43 APR-JUL 1957
BY MIESTER H F
TEITZ T E
DE LA RUE JR R E
DDC NR.
CONTRACT NR. AF 18(600)-1699
PROJ/TASK NR.

AFOSR 3705
STANFORD RESEARCH INST MENLO PARK CALIF
FLUX DISTRIBUTION NEAR THE FOCAL PLANE
J SOLAR ENERGY SCI AND ENGIN 1 96-98 APR-JUL 1957
BY DE LA RUE JR R E
LOM E
BREMNER J L
MIESTER H F
DDC NR.
CONTRACT NR. AF 18(600)-1699
PROJ/TASK NR.

AFOSR 3506
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
EXPERIMENTAL MEASUREMENT OF THE TOTAL-ENERGY DISTRIBUTION OF FIELD-EMITTED ELECTRONS
PHYS RFV 113 115-120 JAN 1959
BY YOUNG R D — DDC NR.
MULLER E W — CONTRACT NR. AF 18<600>-672
PROJ/TASK NR. 9761-37611

AFOSR 3507
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THE RESOLUTION OF FIELD EMISSION MICROSCOPES
ZFIT FUR NATURFORSCHUNG 11 88-94 1956
BY MULLER E W — DDC NR.
CONTRACT NR. AF 18<600>-672
PROJ/TASK NR. 9761-37611

AFOSR 3508
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SEEING ATOMS IN A MICROSCOPE
ARMED FORCES CHEM J NOV-DEC 1956
BY MULLER E W — DDC NR.
CONTRACT NR. AF 18<600>-672
PROJ/TASK NR. 9761-37611

AFOSR 3509
MARYLAND UNIV OF COLLEGE PARK
LOSS OF PARTICLES IN A PINCHED DISCHARGE IN AN AXIAL MAGNETIC FIELD
NUC FUSION U.*198-200.*1961
BY JAGGI R. K. — DDC NR.
MONTROLL E W<PI> — CONTRACT NR. AF 18<600>-1315
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AFOSR 3510
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
A SEARCH FOR POLARIZATION OF FIELD-EMITTED ELECTRONS
J APPL PHYS 33 238-239 JAN 1962
BY PIMBLEY W T — DDC NR.
MULLER E W — CONTRACT NR. AF 18<600>-672
PROJ/TASK NR. 9761-37611

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TECHNION RSCH&DEVEL FOUND. HAIFA ISRAEL
BUCKLING OF CIRCULAR CONICAL SHELLS UNDER EXTERNAL PRESSURE
SYMP ON THEORY OF THIN ELASTIC SHELLS. DELFT. HOLLAND 25-29 AUG 1959
BY HOFF N. J. — DDC NR.
SINGER J. — CONTRACT NR. AF 61<052>-123
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LABORATOIRE MEDITERRANEEN DE RECH THERMODYN. NICE FR
EXPERIMENTAL STUDY OF THE STAGNATION TEMPERATURE IN A FREE MOLECULAR FLOW
J AERO SCI 24 403-407 JUN 1957
BY DEVIENNE F. M. — DDC NR.
CONTRACT NR. AF 61<052>-124
PROJ/TASK NR. 9781-37712

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WASHINGTON UNIV ST LOUIS MO
ELECTRON SPIN RESONANCE HYPERFINE SPECTRA OF DIPHENYL NITRIC OXIDE
BULL CHEM SOC JAPAN 35.*260-264.* 1962
BY DEGUCHI Y. — DDC NR.
NORBERG R. — CONTRACT NR. AF 49<638>-464
WEISSMAN S I<PI> — PROJ/TASK NR. 9751-37511

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CORNELL AERONAUTICAL LABORATORY INC. BUFFALO. N Y
MOLECULAR BILLARDS
RSCH TRENDS 10 1-4 1962
BY SKINNER G. T. — DDC NR.
TREANOR C. <P.I.> — CONTRACT NR. AF 49<638>-793
PROJ/TASK NR. 9783-37726

AFOSR 3515
REMINGTON RAND UNIVAC. BLUE BELL. PENNA
A COMPARISON OF DICTIONARY USE WITHIN TWO INFORMATION RETRIEVAL SYSTEMS
AMER DOC 12 247-253 OCT 1961
BY SCHULTZ C. K. — DDC NR.
SCHWARTZ P. D. — CONTRACT NR. AF 49<638>-835
STEINBERG L. — PROJ/TASK NR. 9ML9POMLK9

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RUTGERS UNIV. NEW BRUNSWICK. N J
A COMPARATIVE STUDY OF THREE OF INFORMATION RETRIEVAL.* A SUMMARY
AMER DOC 12 243-246 OCT 1961
BY STEVENS N. D. — DDC NR.
SHAW R. <P.I.> — CONTRACT NR. AF 49<638>-848
PROJ/TASK NR. 9769-37659

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CALIFORNIA UNIV OF BERKELEY
HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF RAE<B1210>
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BY ALPERT S. S. — DDC NR.
LIPWORTH E. — CONTRACT NR. AF 49<638>-339
WHITE M. G. — PROJ/TASK NR. 9751-02
SMITH K. F.
SHUGART H.
NIERENBERG W<PI>

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HEBREW UNIV JERUSALEM. ISRAEL
NUCLEAR MOMENTS OF STATES OF DY 161
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PP.339-342
BY RAUNINGER R — DDC NR.
COHEN S G — CONTRACT NR. AF 61<052>-347
MARINOV A — PROJ/TASK NR. 9763-37631
OFER S

AFOSR 3519
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
DETERMINATION OF FIELD STRENGTH FOR FIELD EVAPORATION AND IONIZATION IN THE FIELD ION MICROSCOPE
J APPL PHYS 32 2425-2428 NOV 1961
BY MULLER E W — DDC NR.
YOUNG R D — CONTRACT NR. AF 18<600>-672
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PENNSYLVANIA STATE UNIV UNIVERSITY PARK
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BY MULLER E W — DDC NR.
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CAMBRIDGE UNIV ENGLAND
ROLE OF EXPERIENCE IN MISREACHING PRODUCED BY VISUAL CORTEX LESIONS
NATURE 192 1319 DEC 1961
BY COWEY A — DDC NR.
WEISKRANTZ L — CONTRACT NR. AF 61<052>-185
PROJ/TASK NR. 9778-37708

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CAMBRIDGE UNIV ENGLAND
VISUAL FIELD DEFECTS IN MONKEYS
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BY COWEY A — DDC NR.
WEISKRANTZ L<P.I.> — CONTRACT NR. AF 61<052>-185
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CALIFORNIA UNIV OF BERKELEY
NUCLEAR SPIN. HYPERFINE STRUCTURE AND NUCLEAR MOMENTS OF 6.8-DAY LUTETIUM-177
PHYS REV 126 252-257 APR 1962
BY PETERSEN. F R — DDC NR.
SHUGART. H A — CONTRACT NR. AF 49<638>-339
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INITIAL FLAME ACCELERATION IN AN EXPLOSIVE GAS
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BY LADERMAN A. J. — DDC NR.
OPPENHEIM A. K. — CONTRACT NR. AF 49<638>-166
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PUBL OF ASTRON SOC OF JAPAN 14.*28-32.* 1962
BY SPIEGEL E. A. — DDC NR.
UNNO W. — CONTRACT NR. AF 49<638>-341
KRAICHNAN R H<PI> — PROJ/TASK NR. 9768-37650
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AFOSR 3527
RENSSELAER POLYTECHNIC INST. TROY N Y
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BY YI LI T. — DDC NR.
KUSUKAWA K. — CONTRACT NR. AF 49<638>-977
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OHIO STATE UNIV COLUMBUS
STUDY OF THE BEHAVIOR OF SOLIDS IN ALTERNATING AND CONSTANT MAGNETIC FIELDS FINAL REPORT SEP 1962
BY KORRINGA J — DDC NR. 284808
CONTRACT NR. AF 49<638>-264
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MCMASTER UNIV ONTARIO CAN
SOME PRECISION MASS DIFFERENCES BETWEEN TIN ISOTOPES
PHYS REV LTRS 9.*16.* JUL 1962
BY BARBER R. C. — DDC NR.
CAMBEY L. A. — CONTRACT NR. AF AFOSR 62-33
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BISHOP R. L.
DUCKWORTH H. E.

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MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
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BY SEGAL I E — DDC NR. 285302
CONTRACT NR. AF 49<638>-965
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SOUTH CAROLINA UNIV OF COLUMBIA
COLLECTION OF LOW SPEED ELECTRONS BY METALLIC SURFACES FINAL REPORT 1962
BY FERRIS W R<PI> — DDC NR. 288282
CONTRACT NR. AF 49<638>-175
PROJ/TASK NR. 9768-37650

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OKLAHOMA STATE UNIV STILLWATER
ATOMIC COLLISIONS AUG 1962 FINAL REPORT
BY ROTH B. — DDC NR. 289605
CONTRACT NR. AF AFOSR 62-102
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SOUTH CAROLINA UNIV COLUMBIA
MILLIMETER WAVE TRANSMISSION AUG 1962 FINAL REPORT
BY FELLERS R. G. — DDC NR. 285390
CONTRACT NR. AF AFOSR 61-55
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YALE UNIV NEW HAVEN CONN
OPTICAL ABSORPTION EDGE OF INSULATING CRYSTALS AT LOW TEMPERATURES FINAL REPORT AUG 1962
BY WHEELER R G
DDC NR. 285426
CONTRACT NR. AF 49(638)-503
PROJ/TASK NR. 9760-37601

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FREE UNIV OF WEST BIRLIN GERM
THEORETICAL RESEARCH STUDIES BY REACTING PLASMAS FINAL REPORT JUL 1962
BY LUDWIG G
DDC NR.
CONTRACT NR. AF EOAR 61-48
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ILLINOIS UNIV URBANA
NEGATIVE PION PROTON ELASTIC SCATTERING IN THE ENERGY RANGE 200 TO 1450 MEV. FINAL REPORT MAY 1962
BY LAVATELLI L. S.
DDC NR.
CONTRACT NR. AF 49(638)-661
PROJ/TASK NR. 9751-37512

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SYRACUSE UNIV NY
QUANTUM FIELD AND ELEMENTARY PARTICLES FINAL REPORT
BY BARUT A O
DDC NR.
CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9751-37512

AFOSR 3540
AMERICAN INST FOR RSCH PITTSBURGH PA
RETENTION OF MATERIAL PRESENTED BY AUTOINSTRUCTIONAL PROGRA WHICH VANISH AND WHICH DO NOT VANISH VERBAL CUES AUG 1962
BY ANGELL D
LUMSDAINE A A
DDC NR. 285324
CONTRACT NR. AF 49(638)-681
PROJ/TASK NR. 9778-01

AFOSR 3541
WESTERN RESERVE UNIV CLEVELAND O
MEAN LIVES OF POSITRONS IN AQUEOUS SOLUTIONS
BY MCGERVEY J D
ROBINSON B L(P.I.)
DDC NR. 286919
CONTRACT NR. AF 49(638)-760
PROJ/TASK NR. 9763-37631

AFOSR 3542
WESTERN RESERVE UNIV CLEVELAND O
POSITRON ANNIHILATION REACTIONS IN CONDENSED MATERIALS FINA REPORT
BY MCGERVEY J D
ROBINSON B L(P.I.)
DDC NR. 286667
CONTRACT NR. AF 49(638)-760
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AARHUS UNIV. DENMARK
JUL 1962 CHARACTERISTIC SUBSEQUENCES AND LIMIT LAWS FOR FOR WEIGHTED MEANS
BY NIELSEN O. BARNDORFF
ANDERSEN E. S. (PI)
DDC NR. 285442
CONTRACT NR. AF 61(052)-42
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ZARAGOZA UNIV OF SPAIN
QUANTUM MECHANICAL APPLICATIONS TO CLASSICAL PERTURBATION THEORY JUL 1962 FINAL REPORT
BY GARRIDO L. M.
DDC NR. 285291
CONTRACT NR. AF EOAR 61-33
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ISRAEL INST OF TECHNOLOGY. HAIFA
TENSORS IN ENGINEERING MECHANICS
BY KARNI Z
DDC NR.
CONTRACT NR. AF EOAR 62-57
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UNIVERSITY COLLEGE. LONDON ENGLAND
PREDICTION OF PION PHASES JUN 1962
BY ATKINSON D
HAMILTON J(P.I.)
DDC NR. 285521
CONTRACT NR. AF EOAR 62-3
PROJ/TASK NR. 9750-01

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UNIVERSITY COLLEGE. LONDON ENGLAND
ANGULAR CORRELATIONS IN LAMBDA HYPERON BETA DECAY JUL 1962
BY EGARDT L
HAMILTON J(P.I.)
DDC NR. 285294
CONTRACT NR. AF EOAR 62-3
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ARKANSAS UNIV OF FAYETTEVILLE
ISOTOPE SHIFTS IN PALLADIUM
PHYS REV 121.*1702-1703.* MAR 1961
BY HUGHES R. H.
SHARPTON F. A.
DDC NR.
CONTRACT NR. AF 49(638)-547
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ARKANSAS UNIV OF FAYETTEVILLE
ISOTOPE SHIFTS IN THE SPECTRA OF MO AND RU
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BY HUGHES R. H.
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ARKANSAS UNIV OF FAYETTEVILLE
SOME ISOTOPE SHIFTS IN THE SPARK SPECTRUM OF TE (ABST)
J OP SOC AMER 51.*696.* JUN 1961
BY HUGHES R. H.
HILTON W. A.
SHARPTON F. A.
DDC NR.
CONTRACT NR. AF 49(638)-547
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ILLINOIS UNIV OF URBANA
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PHYS REV LTRS 4 399-401 APR 1960
BY SHERWIN C W
FRAUENFELDER H
GARWIN E L
MARGULIES S
LUSCHER F
PEACOCK R N
DDC NR.
CONTRACT NR. AF 18(603)-49
PROJ/TASK NR. 9761-37611

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ILLINOIS UNIV OF URBANA
ADSORPTION STUDY OF GOLD ATOMS ON MOLYBDENUM
PROC 5TH INT CONF ON IONIZATION PHEN IN GASES MUNICH 1961 NORTH-HOLLAND PUBLISHING CO AMSTERDAM
BY VON GOELER E
LUSCHER E
DDC NR.
CONTRACT NR. AF 18(603)-49
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AFOSR 3554
MICHIGAN STATE UNIV EAST LANSING
EFFECT OF ISOTOPIC COMPOSITION ON INFRARED ABSORPTION OF SOLID LITHIUM HYDRIDE ABST
BULL AMER PHYS SOC 5 415 NOV 1960
BY ZIMMERMAN W B
MONTGOMERY D J
HAMMERLE W G
DDC NR.
CONTRACT NR. AF 49(638)-622
PROJ/TASK NR. 9760-37601

AFOSR 3555
MICHIGAN STATE UNIV EAST LANSING
EFFECT OF TEMPERATURE ON INFRARED ABSORPTION OS SOLID LIH AND LID ABST
BULL AMER PHYS SOC 6 284 APR 1961
BY MISHO R H
MONTGOMERY D J
HAMMERLE W G
DDC NR.
CONTRACT NR. AF 49(638)-622
PROJ/TASK NR. 9760-37601

AFOSR 3556
MICHIGAN STATE UNIV EAST LANSING
EFFECT OF ISOTOPIC COMPOSITION ON INFRARED ABSORPTION SPECTRA OF LITHIUM HYDRIDE AND LITHIUM FLUORIDE ABST
BULL AMER PHYS SOC 6 450 NOV 1961
BY MISHO R H
MONTGOMERY D J
HAMMERLE W G
DDC NR.
CONTRACT NR. AF 49(638)-622
PROJ/TASK NR. 9760-37601

HAMMERLE W G

AFOSR 3557
MICHIGAN STATE UNIV EAST LANSING
EFFECT OF ISOTOPIC COMPOSITION ON SOLID STATE SPECTRA ABST
INT SYMP ON FAR INFRARED SPECTROSCOPY CINCINNATI AUG 1962 SPONSORED ASD
BY MONTGOMERY D J
ZIMMERMAN W B
MISHO R H
DDC NR.
CONTRACT NR. AF 49(638)-622
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AFOSR 3558
PENNSYLVANIA UNIV OF PHILADELPHIA
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MONATSHEFTE FUR CHEM 93 263-270 1962
BY PARTHE E
SADAGOPAN V
DDC NR.
CONTRACT NR. AF 49(638)-1027
PROJ/TASK NR. 9763-37631

AFOSR 3559
MCMASTER UNIV ONTARIO CAN
THE HIGH TEMPERATURE OXIDATION KINETICS OF ZIRCONIUM
CONF METALLUNGISTS CIMM MC MASTER U ONTARIO SEP 1962
P 41-57
BY AKRAM K H
SMELTZER W W
DDC NR.
CONTRACT NR. AF 49(638)-734
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AFOSR 3560
PRINCETON UNIV N J
EFFECT OF NONCOLLIMATED RADIATION ON SURFACE ACTIVITY METHODS FOR THE DETERMINATION OF DIFFUSION COEFFICIENTS IN SOLIDS
J METALS 1 4 OCT 1956
BY CONDIT R H
BIRCHENALL C E
DDC NR.
CONTRACT NR. AF 18(600)-967
PROJ/TASK NR. 9760-37601

AFOSR 3561
PRINCETON UNIV N J
THE ROLE OF SPINEL OXIDES IN THE OXIDATION OF IRON AND ITS ALLOYS
ZEIT FUR ELEKTROCHEMIE 63 790 793 1959
BY BIRCHENALL C E
DDC NR.
CONTRACT NR. AF 18(600)-967
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AFOSR 3562
PRINCETON UNIV N J
LES REACTIONS DES ALLIAGES FER NICKEL AVEC L OXYGENE
J CHIM PHYS 810 816 1956
BY BRABERS M J
HEIDEGER W J
BIRCHENALL C E
DDC NR.
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AFOSR 3563
PRINCETON UNIV N J
A REDETERMINATION OF THE LEAD LEAD SULFIDE EQUILIBRIUM BETWEEN 585 AND 920 C
TRANS METALL SOC AIME 215 535 538 JUN 1959
BY STUBBLES J R
BIRCHENALL C E
DDC NR.
CONTRACT NR. AF 18(600)-95967
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MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
STRONG MAGNETS
INT SCI AND TECH 58 64 APR 1962
BY BITTER F
LAX B
DDC NR.
CONTRACT NR. AF 19(604)-7344
PROJ/TASK NR. 9764-37641

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MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HIGH MAGNETIC FIELDS AND HIGH FREQUENCIES
MICROWAVE J K 13 FEB 1962
BY LAX B — DDC NR.
BITTER F — CONTRACT NR. AF 19(604)-7344
PROJ/TASK NR. 9764-37641

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COLUMBIA UNIV N Y
MICROWAVE SPECTRUM AND STRUCTURE OF PROPIONITRILE
J CHEM PHYS 26 678 680 MAR 1957
BY LERNER R G — DDC NR.
DAILEY B P — CONTRACT NR. AF 18(600)-1152
PROJ/TASK NR. 9760-37600

AFOSR 3567
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HIGH MAGNETIC FIELD RESEARCH
J APPL PHYS SUPPL 33 1025 1029 MAR 1962
BY LAX B — DDC NR.
BITTER F — CONTRACT NR. AF 19(604)-7344
PROJ/TASK NR. 9764-37641

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MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
NEW DEVELOPMENTS IN HIGH MAGNETIC FIELD RESEARCH
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BY BITTER F — DDC NR.
LAX B — CONTRACT NR. AF 19(604)-7344
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AFOSR 3569
CHICAGO UNIV ILL
INTRA AND INTERVALLEY SCATTERING AND THE TAILING OF THE
CONDUCTION BAND IN IMPURE N TYPE GERMANIUM
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BY FRITZCHE H — DDC NR.
CUEVAS M — CONTRACT NR. AF AFOSR 62-178
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ARMOUR RESEARCH FOUND CHICAGO ILL
POLARIZATION CORRECTION FOR CRYSTAL MONOCHROMATIZED
X-RADIATION
ACTA CRYST 8 701 704 1955
BY LEONID V AZAROFF — DDC NR.
CONTRACT NR. AF 49(638)-425
PROJ/TASK NR.

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BY MATTUCK A. — DDC NR.
TATE J. — CONTRACT NR. AF 18(603)-91
AMBROSR<PI> — PROJ/TASK NR. 9769-37658

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POLYTECHNIC INST OF BROOKLYN N Y
THE AXISYMMETRIC SUPERSONIC FLOW NEAR THE NOSE OF A POINTED
BODY OF REVOLUTION
J AERO SCI 24 900 904 DEC 1957
BY NAPOLITANO L G — DDC NR.
FERRI A — CONTRACT NR. AF 18(600)-693
PROJ/TASK NR. 9781-37725

AFOSR 3573
CALIFORNIA UNIV OF BERKELEY
A PHASE PLANE APPROACH TO RELAY SAMPLED DATA FEEDBACK
SYSTEMS
AIEE TRANS 77 517 524 JAN 1959
BY MULLIN F J — DDC NR.
JURY E I — CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 3574
STANFORD RSCH INST MENLO PARK CALIF
INTERACTION OF 3 2 TO 4 3 EV ELECTRON BEAMS WITH CLEAVED
MGO
J CHEM PHYS 36 608 61 FEB 1962
BY COOK C J — DDC NR.
FREDERICKS W J — CONTRACT NR. AF 49(638)-353
WISE H — PROJ/TASK NR. 9760-37601

AFOSR 3575
MICHIGAN UNIV OF ANN ARBOR
LOW TEMPERATURE HEAT CAPACITY AND THERMODYNAMIC PROPERTIES
OF ZINC FERRITE
J PHYS CHEM SOLIDS 3 44 49 1957
BY WESTRUM JR E F — DDC NR.
GRIMES D M — CONTRACT NR. AF 18(603)-8
PROJ/TASK NR. 9763-37631

AFOSR 3576
MICHIGAN UNIV OF ANN ARBOR
LOW TEMPERATURE HEAT CAPACITIES AND THERMODYNAMIC
PROPERTIES OF ZINC FERRITES II EFFECT OF THERMAL HISTORY AND
METALLIC ADDITIVES
INT J PHYS CHEM SOLIDS 6 280 286 1958
BY WESTRUM JR E F — DDC NR.
GRIMES D M — CONTRACT NR. AF 18(603)-8
PROJ/TASK NR. 9763-37631

AFOSR 3577
NORTHWESTERN UNIV EVANSTON ILL
THE INFLUENCE OF THE TEMPERATURE OF DEFORMATION ON STRAIN
AGING OF ALPHA IRON
TRANS METALL SOC AIME 224 48 53 FEB 1962
BY LAUTENSCHLAGER E — DDC NR.
BRITTAIN J O — CONTRACT NR. AF 49(638)-780
PROJ/TASK NR. 9761-02

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CORNELL UNIV. ITHACA. N Y
CHEMICAL KINETICS A GENERAL INTRODUCTION
PROC INTE HYPERSONICS CONF. ARS. CAMBRIDGE. MASS 16-18 AUG
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BY BAUER S. H. — DDC NR. 284537
RESLER E. L. <P.I.> — CONTRACT NR. AF 49(638)-716
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AFOSR 3579
PRINCETON UNIV J N
SELF DIFFUSION OF IRON IN NICKEL FERRITE
TRANS METALL SOC AIME 218 768 AUG 1960
BY CONDIT R H — DDC NR.
BRABERS M J — CONTRACT NR. AF 18(600)-967
BIRCHENALL C E — PROJ/TASK NR. 9760-37601

AFOSR 3580
MICHIGAN STATE UNIV EAST LANSING
NUCLEAR MAGNETIC RESONANCE IN SODIUM THIOSULFATE
PENTAHYDRATE
ACTA CRYST 15 536 538 JUN 1962
BY MURTY C R K — DDC NR.
EL SAFFAR Z M — CONTRACT NR. AF 49(638)-613
SPENCE R D — PROJ/TASK NR. 9763-37631
COWEN J A

AFOSR 3581
MICHIGAN STATE UNIV EAST LANSING
NUCLEAR RESONANCE AND HEAT CAPACITY STUDIES OF
ANTIFERROMAGNETIC LICUCL3 2H20
J PHYS SOC OF JAPAN 17 510 511 1962
BY SPENCE R D — DDC NR.
FORSTAT H — CONTRACT NR. AF 49(638)-613
MURTY C R K — PROJ/TASK NR. 9763-37631
MCNEELY D R
COWEN J A

AFOSR 3582
MICHIGAN STATE UNIV EAST LANSING
CONCENTRATION DEPENDENCE OF THE POLARIZATION AND RELAXATION
TIME OF AL 27 NUCLEI IN RUBY
J CHEM PHYS 32 624 625 FEB 1960
BY SPENCE R D — DDC NR.
COWEN J A — CONTRACT NR. AF 49(638)-613
PROJ/TASK NR. 9763-37631

AFOSR 3583
MICHIGAN STATE UNIV EAST LANSING
NUCLEAR MAGNETIC RESONANCE IN HEXAMETHYLBENZENE
AT LOW TEMPERATURES
J CHEM PHYS 36 1093 1094 FEB 1962
BY EL SAFFAR Z M — DDC NR.
SPENCE R D — CONTRACT NR. AF 49(638)-613
COWEN J A — PROJ/TASK NR. 9763-37631

AFOSR 3584
MICHIGAN STATE UNIV EAST LANSING
PROTON MAGNETIC RESONANCE IN IRON II CHLORIDE TETRAHYDRATE
ACTA CRYST 15 285 1962
BY EL SAFFAR Z M — DDC NR.
MURTY C R K — CONTRACT NR. AF 49(638)-613
SPENCE R D — PROJ/TASK NR. 9763-37631
COWEN J A

AFOSR 3585
MINNESOTA UNIV OF MINNEAPOLIS
DOUBLE-QUANTUM ELECTRON SPIN RESONANCE TRANSITIONS OF
NICKEL MAGNESIUM OXIDE
PHYS REV LTRS 4 128 129 FEB 1960
BY ORTON J W — DDC NR.
AUZINS P — CONTRACT NR. AF 49(638)-683
WERTZ J E — PROJ/TASK NR. 9760-37601

AFOSR 3586
MINNESOTA UNIV OF MINNEAPOLIS
SPIN RESONANCE OF POINT DEFECTS IN MAGNESIUM OXIDE
J APPL PHYS SUPPL 33 322 328 JAN 1962
BY WERTZ J E — DDC NR.
ORTON J W — CONTRACT NR. AF 49(638)-683
AUZINS P — PROJ/TASK NR. 9760-37601

AFOSR 3587
MINNESOTA UNIV OF MINNEAPOLIS
ELECTRON SPIN RESONANCE OF F CENTERS IN MAGNESIUM OXIDE
CONFIRMATION OF THE SPIN OF MAGNESIUM 25
PHYS REV 107 1535 1537 SEP 1957
BY WERTZ J E — DDC NR.
AUZINS P — CONTRACT NR. AF 49(638)-683
WEEKS R A — PROJ/TASK NR. 9760-37601
SILSBEE R H

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MINNESOTA UNIV MINNEAPOLIS
SPIN RESONANCE STUDIES OF DEFECTS IN MAGNESIUM OXIDE
FARADAY SOC DISCUSSIONS NR 28 136 141 1959
BY WERTZ J E — DDC NR.
AUZINS P — CONTRACT NR. AF 18(600)-479
GRIFFTHS J H E — PROJ/TASK NR. 9760-37600
ORTON J W

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MINNESOTA UNIV MINNEAPOLIS
ELECTRON TRANSFERS AMONG TRANSITION ELEMENTS IN MAGNESIUM
OXIDE
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BY WERTZ J E — DDC NR.
AUZINS P — CONTRACT NR. AF 18(600)-479
GRIFFTHS J H E — PROJ/TASK NR. 9760-37600
ORTON J W

AFOSR 3590
BATTELLE MEMORIAL INST COLUMBUS O
MEASUREMENT OF PRESSURE EFFECT ON THE SEEBECK
COEFFICIENT OF POWDER COMPACTS
REV SCI INSTR 31 70 71 JAN 1960
BY YOUNG A P — DDC NR.
ROBBINS P B — CONTRACT NR. AF 49(638)-441
WILSON W B — PROJ/TASK NR. 9763-37631
SCHWARTZ C M

AFOSR 3591
CARNEGIE INST OF TECHNOLOGY PITTSBURGH PA
NUCLEATION IN THE SOLIDIFICATION OF METALS
A S M MONOGRAPH ON LIQUID METALS AND SOLIDIFICATION 1958
PP 87-149
BY POUND G M DDC NR,
SMELTZER W W CONTRACT NR, AF 18(600)-1972
PROJ/TASK NR, 9761-97611

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NORTHWESTERN UNIV EVANSTON ILL
SEGREGATION OF SOLUTE ATOMS DURING STRAIN AGING
ACTA METALL 9 453 458 MAY 1961
BY MURA T DDC NR,
LAUTERSCHLAGER F A CONTRACT NR, AF 49(638)-780
ABITTAIN J O PROJ/TASK NR, 9761-07

AFOSR 3593
CALIFORNIA UNIV LOS ANGELES
ROTATION OF CRYSTALS UNDER AXIAL STRAIN
J MECH PHYS SOLIDS 10 65 72 1962
BY LIN T H DDC NR,
LIEB R CONTRACT NR, AF 49(638)-20
PROJ/TASK NR, 9763-97631

AFOSR 3594
ILLINOIS UNIV OF URBANA
ON THE SYNTHESIS OF ACTIVE NETWORKS WITH ONE NEGATIVE
IMPEDENCE CONVERTER
PROC NEC 16 609 611 1960
BY CHEEN R T DDC NR,
VAN VALKENBURG M E CONTRACT NR, AF 49(638)-63
PROJ/TASK NR, 9768-97650

AFOSR 3595
ILLINOIS UNIV OF URBANA
SENSITIVITY MINIMIZATION IN ACTIVE RC SYNTHESIS
TRANS IRE CT 38 42 MAR 1962
BY CALAHAN D A DDC NR,
VAN VALKENBURG E CONTRACT NR, AF 49(638)-63
PROJ/TASK NR, 9768-97650

AFOSR 3596
ILLINOIS UNIV OF URBANA
RESTRICTIONS ON THE NATURAL FREQUENCIES OF AN
RC-RL NETWORK
J FRANKLIN INST 272 112 133 AUG 1961
BY CALAHAN D A DDC NR,
VAN VALKENBURG E CONTRACT NR, AF 49(638)-63
PROJ/TASK NR, 9768-97650

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ILLINOIS UNIV OF URBANA
NOTES ON THE HOROWITZ OPTIMIZATION PROCEDURE
TRANS IRE CT 7 352-356 SEP 1960
BY CALAHAN D A DDC NR,
VAN VALKENBURG M E CONTRACT NR, AF 49(638)-63
PROJ/TASK NR, 9768-97650

AFOSR 3598
TORONTO UNIV CAN
LONGITUDINAL DYNAMICS OF A LIFTING VEHICLE IN ORBITAL
FLIGHT
J AEROSP SCI 28 779 789 OCT 1961
BY ETKIN B DDC NR,
CONTRACT NR, AF 49(638)-761
PROJ/TASK NR, 9781

AFOSR 3599
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
MASS MOMENTUM AND ENERGY FLUX IN WATER WAVES
J FLUID MECH 12 135 137 1962
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CONTRACT NR, AF 49(638)-708
PROJ/TASK NR, 9752-04

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BALTIMORE BIAS INC MD
CONTROL OF RANDOMLY VARYING LINEAR DYNAMICAL SYSTEMS
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LEFSCHETZ S CONTRACT NR, AF 49(638)-982
PROJ/TASK NR, 9781-02

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SYRACUSE UNIV N Y
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CONTRACT NR, AF 49(638)-619
PROJ/TASK NR, 9752-97522

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APPROXIMATION OF SMOOTH FUNCTIONS
BULL AMER MATH SOC 66 126 129 MAR 1960
BY LORENTZ G G DDC NR,
CONTRACT NR, AF 49(638)-619
PROJ/TASK NR, 9752-97522

AFOSR 3603
SYRACUSE UNIV N Y
UNIFORM APPROXIMATION BY POLYNOMIALS WITH POSITIVE
COEFFICIENTS
DUKE MATH J 28 463 476 SEP 1961
BY JUREAT W B DDC NR,
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PROJ/TASK NR, 9752-97522

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SYRACUSE UNIV N Y
REMARK ON A PAPER OF VISSER
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CONTRACT NR, AF 49(638)-619
PROJ/TASK NR, 9752-97522

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SYRACUSE UNIV N Y
CONCAVE FUNCTIONS REARRANGEMENTS AND BANACH LATTICES
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PROJ/TASK NR, 9752-97522

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GOLDBERG S I CONTRACT NR, AF 49(638)-14
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ONE-DIMENSIONAL TOPOLOGICAL SEMILATTICES
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BY ANDERSON L. W. DDC NR,
WARD JR L. E. CONTRACT NR, AF 49(638)-889
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MISSOURI UNIV OF COLUMBIA
ON THE RANGE OF THE DIFFERENCE BETWEEN HYPOTHETICAL
DISTRIBUTION FUNCTION AND PYRE-S MODIFIED EMPIRICAL
DISTRIBUTION FUNCTION
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BY RBUNE H. D. DDC NR,
UTZ W. R. CONTRACT NR, AF 49(638)-756
PROJ/TASK NR, 9769-97650

AFOSR 3610
CARNEGIE INST OF TECHNOLOGY, PITTSBURGH, PA
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CAN J MATH 14 436-450 1962
BY BRAUER R. DDC NR,
LEONARD JR, H. S. CONTRACT NR, AF 49(638)-227
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SOME INTEGRAL INEQUALITIES
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NOTES ON THE AUGMENTATION OF POLYNOMIALS
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PROJ/TASK NR, 9768-97650

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JOHNS HOPKINS UNIV BALTIMORE MD
FAR INFRARED SPECTRA OF FREE RADICALS AND REACTIVE
MOLECULES AT 40 K FINAL REPORT 1962
BY ROBINSON D W DDC NR,
CONTRACT NR, AF 49(638)-468
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OXFORD UNIV OF ENGLAND
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BORNEY R CONTRACT NR, AF 61(052)-235
PROJ/TASK NR, 9777-01

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OF SECRETION OF THYROTROPHIC AND ADRENOCORTICOTROPHIC
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CONTRACT NR, AF 61(052)-454
PROJ/TASK NR, 9777-02

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CONTRACT NR, AF 61(052)-101
PROJ/TASK NR, 9777-01

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MCCUSKER C B A CONTRACT NR, AF 49(638)-842
PROJ/TASK NR, 9776-97665

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MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
MAGNETIC RESONANCE IN RADIATING OR ABSORBING ATOMS
APPL OP 1 1 10 JAN 1962
BY BITTER F DDC NR,
LAX B CONTRACT NR, AF 19(604)-7304
PROJ/TASK NR, 9764-97641

AFOSR 3620
MINNEAPOLIS HONEYWELL REGULATOR CO HOPKINS MINN
RECOMBINATION PROCESSES IN TELLURIUM
PROC INT CONF ON SEMICONDUCTOR PHYS PRAGUE 1960
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BY BLAKEMORE J S DDC NR.
NUSSBAUM A CONTRACT NR. AF 49(638)-908
PROJ/TASK NR. 9760-37601

AFOSR 3621
MINNEAPOLIS HONEYWELL REGULATOR CO HOPKINS MINN
ENANTIOMORPHOUS CHARACTER OF ETCH PITS IN TELLURIUM
J APPL PHYS 32 765 766 1961
BY BLAKEMORE J S DDC NR.
NOMURA R C CONTRACT NR. AF 49(638)-908
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AFOSR 3622
MINNEAPOLIS HONEYWELL REGULATOR CO HOPKINS MINN
SOME EFFECTS OCCURRING IN DISLOCATED TELLURIUM
J APPL PHYS 31 2226 2231 DEC 1960
BY BLAKEMORE J S DDC NR.
SCHULTZ J W CONTRACT NR. AF 49(638) 908
NOMURA R C PROJ/TASK NR. 9760-37601
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MINNEAPOLIS HONEYWELL REGULATOR CO HOPKINS MINN
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AFOSR 3624
ILLINOIS UNIV URBANA
HABIT PLANES OF MARTENSITE IN CHROME CARBON STEEL
J METALS 612 617 APR 1957
BY OTTE H M DDC NR.
READ T A CONTRACT NR. AF 18(600)-1311
PROJ/TASK NR. 9760-37601

AFOSR 3625
ILLINOIS UNIV OF URBANA
ELECTRONIC STATES ON DISLOCATIONS IN SEMICONDUCTORS
PHYS REV LTRS 8 96 97 FEB 1962
BY CELLI V DDC NR.
GOLD A CONTRACT NR. AF 49(638)-819
THOMSON R PROJ/TASK NR. 9760-37601

AFOSR 3626
ILLINOIS UNIV OF URBANA
RADIATION LIMITED DISLOCATION MOTION IN CRYSTALS
J APPL PHYS 31 617 MAR 1960
BY THOMSON R DDC NR.
CONTRACT NR. AF 49(638)-819
PROJ/TASK NR. 9760-37601

AFOSR 3627
ILLINOIS UNIV URBANA
THE CRYSTALLOGRAPHY OF THE AUSTENITE MARTENSITE
TRANSFORMATION THE III SHEAR SOLUTIONS
TRANS METALL SOC AIME 218 202 207 APR 1960
BY WECHSLER M S DDC NR.
READ T A CONTRACT NR. AF 49(638)-620
LIEBERMAN D S PROJ/TASK NR. 9760-37602

AFOSR 3628
CALIFORNIA UNIV OF LOS ANGELES
ON THE ASSOCIATED FLOW RULE OF PLASTICITY BASED ON CRYSTAL
SLIPS
J FRANKLIN INST 270 291 300 OCT 1960
BY LIN T H DDC NR.
CONTRACT NR. AF 49(638)-20
PROJ/TASK NR. 9783-37831

AFOSR 3629
CALIFORNIA UNIV OF LOS ANGELES
STRESS FIELD IN METALS AT THE IAL STAGE OF PLASTIC
DEFORMATION
J MECH PHYS SOLIDS 8 200 209 1961
BY LIN T H DDC NR.
UCHIYAMA S CONTRACT NR. AF 49(638)-20
MARTIN D PROJ/TASK NR. 9783-37831

AFOSR 3630
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
HYDROMAGNET A SELF REGENERATING LIQUID CONDUCTOR
ELECTROMAGNET
J APPL PHYS 32 1296 1304 JUL 1961
BY BOLM H H DDC NR.
MAGARDI D E CONTRACT NR. AF 19(604)-7366
LAX B PROJ/TASK NR. 9704-37601
BITTER F

AFOSR 3631
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
WATER COOLED MAGNETS
REV SCI INSTR 33 362 369 MAR 1962
BY BITTER F DDC NR.
LAX B CONTRACT NR. AF 19(604)-7366
PROJ/TASK NR. 9704-37601

AFOSR 3632
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ADVANCES IN THE GENERATION AND USE OF VERY HIGH
CONTINUOUS MAGNETIC FIELDS
NATURE 192 299 302 OCT 1961
BY BOLM H H DDC NR.
LAX B CONTRACT NR. AF 19(604)-7366
BITTER F PROJ/TASK NR. 9704-37601

AFOSR 3633
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
PULSED CRITICAL FIELD MEASUREMENTS IN MAGNETIC SYSTEMS
J APPL PHYS SUPPL 33 1289 1290 MAR 1962
BY FONER S DDC NR.
MOLS CONTRACT NR. AF 19(604)-7366
LAX B PROJ/TASK NR. 9704-37601
BITTER F

AFOSR 3634
STANFORD RSCH INST MENLO PARK CALIF
SHOCK WAVE COMPRESSION OF ALUMINUM
PHYS REV LTRS 3 3 2 DEC 1959
BY DORAN D G DDC NR.
POWLES G B CONTRACT NR. AF 49(638)-829
PETERSON S W PROJ/TASK NR. 9760-37601
DUVALL G E

AFOSR 3635
OSLO UNIV OF NORWAY
CRYSTAL STRUCTURE OF THE 1 1 ADDITION COMPOUND IODOFORM
SULPHUR CH I 3 S 8
ACTA CHEM SCAND 16 769 776 1962
BY BJORVATTEN T DDC NR.
HASSEL O. CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3636
OSLO UNIV OF NORWAY
CRYSTAL STRUCTURE OF THE 1 1 ADDITION COMPOUND IODOFORM
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ACTA CHEM SCAND 16 769 775 1962
BY BJORVATTEN T DDC NR.
HASSEL O CONTRACT NR. AF 61(052)-71
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AFOSR 3637
OSLO UNIV OF NORWAY
DIRECT STRUCTURAL EVIDENCE FOR WEAK CHARGE TRANSFER BONDS
IN SOLIDS CONTAINING CHEMICALLY SATURATED MOLECULES
BY HASSEL O DDC NR.
RØMMING C CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3638
OSLO UNIV OF NORWAY
CHARGE TRANSFER BONDS IN SOLIDS CRYSTAL STRUCTURE OF
DIALYL DIBROMIDE
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BY GROTH P DDC NR.
HASSEL O CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3639
OSLO UNIV OF NORWAY
CHARGE TRANSFER COMPLEXES IN WHICH ORGANIC HALIDES ACT AS
ELECTRON ACCEPTORS
SAERTRYKK AV TIDSSKRIFT FOR KJEMI BERGVESEN OG METALL
1 60 62 1961
BY HASSEL O DDC NR.
CONTRACT NR. AF 61(052)-71
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AFOSR 3640
OSLO UNIV OF NORWAY
THE STRUCTURE OF SOME SALTS OF 2 6 DIMETHYL PYRONE
2 6 DIMETHYL 4 H PYRAN 4 ONE
ACTA CHEM SCAND 14 765 1960
BY HOPE H DDC NR.
HASSEL O CONTRACT NR. AF 61(052)-71
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AFOSR 3641
OSLO UNIV OF NORWAY
CRYSTAL STRUCTURE OF THE 1 1 MOLECULAR COMPOUND 1 4 DIOXAN
SULPHURIC ACID
ACTA CHEM SCAND 14 398 406 1960
BY HASSEL O DDC NR.
RØMMING C CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3642
OSLO UNIV OF NORWAY
CHARGE TRANSFER COMPOUND WITH A HALOGEN ATOM LINKED TO
CARBON AS THE ELECTRON ACCEPTOR
ACTA CHEM SCAND 13 1261 1262 1959
BY BJORVATTEN T DDC NR.
HASSEL O CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3643
OSLO UNIV OF NORWAY
CRYSTAL STRUCTURE OF THE ADDITION COMPOUND 0 4 DIOXAN
CHLORINE
ACTA CHEM SCAND 13 1775 1780 1959
BY HASSEL O DDC NR.
STRØMME K O CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3644
OSLO UNIV OF NORWAY
STRUCTURE OF THE CRYSTALLINE COMPOUND BENZENE
PROMINE U U
ACTA CHEM SCAND 12 1146 1147 1958
BY HASSEL O DDC NR.
STRØMME K O CONTRACT NR. AF 61(052)-71
PROJ/TASK NR. 9760-37600

AFOSR 3645
JOHNS HOPKINS UNIV BALTIMORE, MD
INTERFEROMETRIC SPECTROSCOPY IN THE FAR INFRARED
J OPT SOC AMER 49,*800-806,* SEP 1959
BY STROME J. DDC NR.
VANASSE G. A. CONTRACT NR. AF 18(600)-1307
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AFOSR 3647
MICHIGAN UNIV OF ANN ARBOR
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WILLMARTH W. W. — CONTRACT NR. AF 49<638>-336
CROCKER G. H. — PROJ/TASK NR. 9781-37712

AFOSR 3648
MICHIGAN UNIV OF ANN ARBOR
SOME FEATURES OF STABILITY OF LAMINAR FLOWS AND OF TRANSITION TO TURBULENCE
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BY KUETHE A. M. — DDC NR.
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CALIFORNIA UNIV OF BERKELEY
SEMIEMPIRCAL MODEL OF THE INTERPLANETARY MEDIUM
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BY BRANDT J. C. — DDC NR.
MICHIE R. W. — CONTRACT NR. AF 49<638>-299
HENYEY<PI> — PROJ/TASK NR. 9774-37763

AFOSR 3651
RIAS INC BALTIMORE MD
PHOTOCAPACITANCE EFFECTS IN ADDITIVELY CODORED ALKALI HALIDE CRYSTALS
J PHYS CHEM SOLIDS 17 210 219 1961
BY KAHN D — DDC NR.
GLASS A J — CONTRACT NR. AF 49<638>-1017
PROJ/TASK NR. 9760-37601

AFOSR 3652
NATIONAL BUREAU OF STANDARDS WASH D C
PIEZOELECTRIC EFFECT IN INDIUM ANTIMONIDE
PHYS REV LTRS U OCT 1958
BY WASILIK J H — DDC NR.
FLIPPEN R B — CONTRACT NR. CSO 670-53-12
PROJ/TASK NR. 7772-19751

AFOSR 3653
NATIONAL BUREAU OF STANDARDS WASH D C
THE IONIC CHARACTER AND ELASTIC MODULI OF ZINC BLENDE LATTICES
J PHYS CHEM SOLIDS 3 223 228 1957
BY POTTER R F — DDC NR.
CONTRACT NR. CSO 670-53-12
PROJ/TASK NR. 7772-19751

AFOSR 3654
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
OSCILLATORY INTERBAND FARADAY ROTATION AND VOIGT EFFECT IN SEMICONDUCTORS
PHYS REV LTRS 9 55 57 JUL 1962
BY BITTER F — DDC NR.
NISHINA, Y — CONTRACT NR. AF 19<604>-7344
LAX, B — PROJ/TASK NR. 9764-37641
KOLODZIEJCZAK, J

AFOSR 3655
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
CYCLOTRON RESONANCE
SCI 134 1333 1340 OCT 1961
BY LAX B — DDC NR.
BITTER F — CONTRACT NR. AF 19<604>-7344
PROJ/TASK NR. 9764-37641

AFOSR 3656
HEBREW UNIV JERUSALEM ISRAEL
POSSIBLE SOLID STATE EFFECT ON THE DEGREE OF IONIZATION OBTAINED IN A VACUUM SPARK
J APPL PHYS 3 2141 JUN 1962
BY FRAENKEL B S — DDC NR.
ALEXANDER E — CONTRACT NR. AF EOAR 62-33
PROJ/TASK NR. 9763-02

AFOSR 3657
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
INTENSE MAGNETIC FIELDS FOR RESEARCH
DUQUESNE SCI COUNSELOR 24 101 103 DEC 1961
BY STEVENSON D — DDC NR.
KOLM H — CONTRACT NR. AF 19<604>-7344
BITTER F — PROJ/TASK NR. 9764-37641
LAX B — PROJ/TASK NR.

AFOSR 3658
CHICAGO MIDWAY LABORATORIES ILL
ANGULAR DISTRIBUTION OF SECONDARY ELECTRONS FROM 100 FACES OF COPPER AND NICKEL
PHYS REV 119 102 114 JUL 1960
BY BURNS J — DDC NR.
RIEKE F — CONTRACT NR. AF 18<603>-9
PROJ/TASK NR. 9762-37621

AFOSR 3659
STANFORD RSCH INST MENLO PARK CALIF
SHOCK WAVE STABILITY IN SOLIDS
COLL INTER DU CTRE NAT DE LA RECH SCE LES ONDES DE DETONATION GIF SUR YVETTE 28 AUG 2 SEP 1961 PP 2 337 352
BY DUVALL G E — DDC NR.
CONTRACT NR. AF 49<638>-625
PROJ/TASK NR. 9760-37601

AFOSR 3660
STANFORD RSCH INST MENLO PARK CALIF
FORMATION OF AN AMORPHOUS FORM OF QUARTZ UNDER SHOCK CONDITIONS
J CHEM PHYS 31 1675 1676 DEC 1959
BY DE CARLI P S — DDC NR.
JAMIESON J C — CONTRACT NR. AF 49<638>-625
DUVALL G E — PROJ/TASK NR. 9760-37601

AFOSR 3661
CALIFORNIA UNIV OF LA JOLLA
SUPERCONDUCTIVITY WITH COMBINED PARALLEL AND ANTIPARALLEL SPIN PAIRING
PROC 8TH INT CONF LOW TEMP PHYS ENGLAND SEP 1962 I PAGES
BY WERTHAMER N R — DDC NR.
SUHL H — CONTRACT NR. AF 49<638>-1038
PROJ/TASK NR. 9763-37631

AFOSR 3662
CALIFORNIA UNIV OF LA JOLLA
SUPERCONDUCTIVITY NEAR IMPURITIES
PHYS REV LTRS 9 63 65 JUL 1962
BY FREDKIN D R — DDC NR.
LANGER J S — CONTRACT NR. AF 49<638>-1038
MATTHIAS B T — PROJ/TASK NR. 9763-37631
SUHL H

AFOSR 3663
CALIFORNIA UNIV OF LA JOLLA
SUPERCONDUCTIVITY NEAR IMPURITIES
PHYS REV LTRS 9 63 65 JUL 1962
BY SUHL H — DDC NR.
FREDKIN D R — CONTRACT NR. AF 49<638>-1038
LANGER J S — PROJ/TASK NR. 9763-37631
MATTHIAS B T

AFOSR 3664
CALIFORNIA UNIV OF LA JOLLA
DECOUPLING OF BLOCH BANDS IN THE PRESENCE OF HOMOGENEOUS FIELDS
PHYS REV 125 1910 1915 MAR 1962
BY WANNIER G H — DDC NR.
FREDKIN D R — CONTRACT NR. AF 49<638>-1038
SUHL H — PROJ/TASK NR. 9763-3761

AFOSR 3665
MINNESOTA UNIV OF MINNEAPOLIS
MAGNETIC PROPERTIES OF THE LOW TEMPERATURE FORM OF MAGNETITE
J APPL PHYS SUPPL 32 272 273 MAR 1961
BY BONSTROM D B — DDC NR.
MORRISH A H — CONTRACT NR. AF 49<638>-803
WATT L A K — PROJ/TASK NR. 9760-37601

AFOSR 3666
STANFORD RESEARCH INST MENLO PARK CALIF
THE SOLAR FURNACE NEW TOOL FOR HIGH TEMPERATURE WORK
MECH ENGIN 915 920 OCT 1956
BY BENVENISTE G — DDC NR.
HIESTER N K — CONTRACT NR. AF 18<600>-1499
PROJ/TASK NR.

AFOSR 3667
CHICAGO UNIV OF ILL
NOTE ON THE CONCEPT OF ENTROPY
J MATH & MECH 9 623 630 JUL 1960
BY SEGAL I E — DDC NR.
CONTRACT NR. AF 49<638>-666
PROJ/TASK NR. 9783-37727

AFOSR 3668
CHICAGO UNIV OF ILL
FOUNDATIONS OF THE THEORY OF DYNAMICAL SYSTEMS OF INFINITELY MANY DEGREES OF FREEDOM II
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BY SEGAL I F — DDC NR.
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AFOSR 3669
GENERAL ELECTRIC CO PHILADELPHIA PA
THE SUNS PERTURBING EFFECT ON MOTION NEAR A TRIANGULAR LAGRANGE POINT 1962
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BY DEVRIES J P — DDC NR. 289333
SZEBEHELY V G — CONTRACT NR. AF 49<6238>-814
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CALIFORNIA UNIV OF BERKELEY
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BY ZIMMERMANN — DDC NR. 284401
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BY OSHIMA K. — DDC NR. 284924
CHUAN R L<PI> — CONTRACT NR. AF 49<638>-831
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TERRY D F — CONTRACT NR. AF 49<638>-681
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WAVE PROPAGATION IN NON-SIMPLE MEDIA
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BY FLEISHMAN B A — DDC NR.
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CORNELL UNIV, ITHACA, N Y
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BY CWILTZ G. DDC NR.
ATEN JR. C. F. CONTRACT NR. AF 49(638)-716
BAUER S. H. PROJ/TASK NR.
BEBLER E. L. <P.I.>

AFOSR 3676
VITRO LABORATORIES WEST ORANGE N J
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BY SHEER C DDC NR.
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MINNESOTA UNIV OF MINNEAPOLIS
EMISSIVITY MEASUREMENT OF POROUS MATERIALS
BY TEWFIK O. F. DDC NR.
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MARYLAND UNIV OF, COLLEGE PARK
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BY MAMA F. R. DDC NR.
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GENERAL ELECTRIC CO, PHILADELPHIA PA
ON THE EXTENSION OF QUANTITATIVE INTERFEROMETRY TO THE STUDY OF HIGH TEMPERATURE GAS PHENOMENA APR 1959
BY CARY B. DDC NR.
SCALA S. M. <P.I.> CONTRACT NR. AF 49(638)-931
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GENERAL ELECTRIC CO, PHILADELPHIA PA
THE DETERMINATION OF ELECTRON CONCENTRATIONS BY USE OF THE HELIUM PROBE TECHNIQUE MAY 1959
BY SADJIAN M. DDC NR.
SCALA S. M. <P.I.> CONTRACT NR. AF 49(638)-931
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AFOSR 3682
GENERAL ELECTRIC CO PHILADELPHIA PA
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BY GAROFALO A M DDC NR.
SZEBEHELY V G CONTRACT NR. AF 49(638)-814
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AFOSR 3683
GENERAL ELECTRIC CO PHILADELPHIA PA
THE PSEUDO INTEGRAL OF A SYSTEM OF DIFFERENTIAL EQUATIONS
BY GAROFALO A M DDC NR.
SZEBEHELY V G CONTRACT NR. AF 49(638)-814
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AFOSR 3684
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
ON THE CURRENT COLLECTED BY A CHARGED CIRCULAR CYLINDER IMMERSED IN TWO-DIMENSIONAL RAREFIED, PLASMA STREAM
BY SMETANO F. O. DDC NR.
CHUAN R L<PI> CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 3685
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
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BY KOGA T. DDC NR.
CHUAN R L<PI> CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 3686
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
INTERACTIONS OF CHARGED PARTICLES IN PLASMAS
BY KOGA T. DDC NR.
CHUAN R L<PI> CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 3687
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EXPERIMENTAL STUDY OF HYPERSONIC RAREFIED FLOW NEAR THE LEADING EDGE OF A THIN FLAT PLATE
BY CHUAN R. L. DDC NR.
WAITER S. A. CONTRACT NR. AF 49(638)-831
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AFOSR 3689
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE BOLTZMANN EQUATION FOR ELECTRONS IN A PLASMA
BY KOGA T. DDC NR.
EVERTON J. G. CONTRACT NR. AF 49(638)-831
WILBER P. C. PROJ/TASK NR. 9783-37725
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ALLIED RSCH ASSOCIATES INC, BOSTON, MASS
EFFECT OF ARBITRARY NONSTEADY WALL TEMPERATURE ON INCOMPRESSIBLE HEAT TRANSFER 1962
BY GOODMAN T. R. DDC NR.
CONTRACT NR. AF 49(638)-839
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AFOSR 3692
MARYLAND UNIV OF, COLLEGE PARK
SOME OBSERVATIONS OF TRANSITION FLOW PATTERN IN AXIALLY SYMMETRIC BOUNDARY LAYERS 1962
BY MAMA F. R. DDC NR.
CONTRACT NR. AF 49(638)-645
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AFOSR 3693
TORONTO UNIV OF CAN
REVIEW OF FATIGUE RESEARCH AT INSTITUTE OF AEROPHYSICS, MARCH 1959-MARCH 1962
BY POPPLETON F. D. DDC NR.
CONTRACT NR. AF 49(638)-948
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AFOSR 3694
TORONTO UNIV OF CAN
ELECTRON EXCITATION FOR THE PROBING OF LOW DENSITY GAS FLOWS
BY MUNIZ E. P. DDC NR.
GADAMER E. O. CONTRACT NR. AF 49(638)-548
MARSDEN D. J. PROJ/TASK NR. 9782-02
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AFOSR 3695
GENERAL ELECTRIC CO PHILADELPHIA PA
ANALYTICAL ASPECTS OF APPLIED CELESTIAL MECHANICS
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BY SZEBEHELY V G DDC NR.
CONTRACT NR. AF 49(638)-814
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PROBLEMS ON APPLIED CELESTIAL MECHANICS
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AFOSR 3697
GENERAL ELECTRIC CO PHILADELPHIA PA
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GENERAL ELECTRIC CO PHILADELPHIA PA
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BY SZEBEHELY V G DDC NR.
CONTRACT NR. AF 49(638)-814
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AFOSR 3699
CORNELL AERONAUTICAL LABORATORY INC, ITHACA, N Y
HYPERSONIC LOW-DENSITY STUDIES OF BLUNT AND SLENDER BODIES
BY VIDAL R. J. DDC NR.
WITTLIFF C. E. CONTRACT NR. AF 49(638)-952
HERTZBERG A. <P.I.> PROJ/TASK NR. 9781-02

AFOSR 3700
TORONTO UNIV OF CAN
STRENGTH DISTRIBUTION OF NOISE SOURCES ALONG A JET
BY RIBNER H. S. DDC NR.
PATTERSON G N<PI> CONTRACT NR. AF 49(638)-281
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AFOSR 3701
MIAMI UNIV CORA GABLES FLA
LINEAR VARIETIES OF PROJECTIONS
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CONTRACT NR. AF 49(638)-1055
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AFOSR 3702
TECHNION RSCH&DEVEL FOUND HAIFA ISRAEL
BUCKLING OF CIRCULAR CONICAL SHELLS UNDER AXISYMMETRICAL EXTERNAL PRESSURE
J MECH ENGIN SCI 0.0330-339.0 1961
BY SINGER J. DDC NR.
CONTRACT NR. AF 61(052)-329
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AFOSR 3703
OHIO STATE UNIV COLUMBUS
SOME FACTORS AFFECTING THE PERCEPTION OF EVENTS AS CHANCE DETERMINED
H PSYCH 54 197 202 1962
BY BLACKMAN S DDC NR.
ROTTER J B CONTRACT NR. AF 49(638)-741
PROJ/TASK NR. 9778-37708

AFOSR 3704
AMERICAN INST FOR RSCH PITTSBURGH PA
RESEARCH ON CUEING FACTORS RELATED TO PROGRAMMED INSTRUCTION
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BY ANGELL D DDC NR.
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INTERNATIONAL BUSINESS MACHINES INC YORKTOWN HEIGHTS N Y
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BY MOSER J K DDC NR.
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AN ANALYSIS OF THE EFFECT OF COMPONENT TOLERANCES ON THE AMPLIFICATION OF THE BALANCED PAIR TUNNEL DIODE CIRCUIT PART I APR 1962
BY BRAYTON R DDC NR.
WILLOUGHBY R CONTRACT NR. AF 49(638)-1139
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AFOSR 3707
INTERNATIONAL BUSINESS MACHINES IN YORKTOWN HEIGHTS N Y
A ANALYSIS OF THE EFFECT OF COMPONENT TOLERANCES ON THE AMPLIFICATION OF THE BALANCED PAIR TUNNEL DIODE CIRCUIT
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BY BRAYTON R — DDC NR.
COHEN H — CONTRACT NR. AF 49(638)-1139
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INTERNATIONAL BUSINESS MACHINES INC YORKTOWN HEIGHTS N Y
ESTIMATES ON SWITCHING TIME IN A CIRCUIT CONTAINING ONE ESAKI DIODE SEP 1960
BY BRAYTON R — DDC NR.
COHEN H — CONTRACT NR. AF 49(638)-1139
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AFOSR 3710
CORNELL UNIV. ITHACA, N Y
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS IN HIGH SPEED AERODYNAMICS FINAL REPORT SEP 1962
BY SEARS W. R. — DDC NR. 285920
CONTRACT NR. AF 49(638)-544
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POLYTECHNIC INST OF BROOKLYN, N Y
SOME PETURBATIIN SOLUTIONS IN LAMINAR BOUNDARY LAYER THEORY, PART I-THE MOMENTUM EQUATION AUG 1962
BY LIBBY P. A. — DDC NR. 284697
FOX H. — CONTRACT NR. AF 49(638)-217
FERRI A(PI) — PROJ/TASK NR. 9781-01

AFOSR 3717
CHICAGO UNIV OF ILL
NUCLEAR INTERACTIONS IN COSMIC RADIATION SEP 1961
FINAL REPORT
BY SIMPSON J. A. — DDC NR.
CONTRACT NR. AF 18(600)-666
PROJ/TASK NR. 9774-37665

AFOSR 3713
STANFORD UNIV CALIF
NUCLEAR ROTATIONAL SPECTRA, THE ELLIOTT MODEL AND THE D2 FORCE
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BY WILLEY R. S. — DDC NR.
SCHIFF L I(PI) — CONTRACT NR. AF 49(638)-388
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AFOSR 3714
NAPLES UNIV OF ITALY
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BY CAIANIELLO E R — DDC NR. 285430
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AN APPROXIMATE METHOD FOR CALCULATING THE COMPRESSIBLE LAMINAR BOUNDARY LAYER WITH CONTINUOUSLY DISTRIBUTED SUCTION JUL 1962
BY PECHAU W. — DDC NR. 285303
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MIAMI UNIV OF FLA
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CONTRACT NR. AF 49(638)-862
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BY STREATER R F — DDC NR.
LEGVOLD, S.(P.I.) — CONTRACT NR. AF EOAR-61-87
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AERONAUTICAL RSCH ASSOCIATES OF PRINCETON, INC NJ
AUG 1962 A NEW APPROACH TO NON-EQUILIBRIUM STATISTICAL MECHANICS OF GASES
BY MCCUNE J. E. — DDC NR.
SANDRI G. — CONTRACT NR. AF 49(638)-1140
FRIEMAN E. A. — PROJ/TASK NR. 9781-37713

AFOSR 3719
NAPLES UNIV OF ITALY
ON AN EXACT SOLUTION OF LAMINAR MIXING OF TWO DIFFERENT GASES
J AERO/SP SCI 27,0144-145,0 FEB 1960
BY NAPOLITANO L. G. — DDC NR.
CONTRACT NR. AF 61(052)-160
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AFOSR 3720
NAPLES UNIV OF ITALY
INTERAZIONE LAMINARE ISOTACHIA DI CORRENTI DI GAS DIVERSI
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BY NAPOLITANO L. G. — DDC NR.
CONTRACT NR. AF 61(052)-160
PROJ/TASK NR. 9781-37712

AFOSR 3721
NAPLES UNIV OF ITALY
HYPERSONIC NON EQUILIBRIUM FLOW
11TH INTER ASTRON CONG STOCKHOLM SWEDEN AUG 1960
BY NAPOLITANO L G — DDC NR.
POZZI A — CONTRACT NR. AF 61(052)-327
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AFOSR 3722
NAPLES UNIV OF ITALY
CONTRIBUTO ALLO STUDIO DELLA FLUIDODINAMICA DI SISTEMI NON IN EQUILIBRIO TERMODINAMICO
CONTRIBUTION TO THE STUDY OF FLUIDYNAMICS OF SYSTEMS NOT IN THERMODYNAMIC EQUILIBRIUM
AEROTECNICA 40 1 21 1960
BY NAPOLITANO L G — DDC NR.
CONTRACT NR. AF 61(052)-327
PROJ/TASK NR. 9781-37712

AFOSR 3723
TECHNION RSCH DEVEL FOUND HAIFA ISRAEL
UNSTEADY TRANSFER OF HEAT IN GASES JULY 1961
BY MANIN M. — DDC NR.
CONTRACT NR. AF 61(052)-389
PROJ/TASK NR. 9781-37712

AFOSR 3725
STANFORD RSCH INST, MENLO PARK, CALIF
SPECIAL CONSIDERATIONS OF THE INDIVIDUAL AS A USER, GENERATOR, AND RETRIEVER OF INFORMATION
AMER DOC 12 121-125 APR 1961
BY ENGELBART D. C. — DDC NR.
CONTRACT NR. AF 49(638)-1024
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AFOSR 3726
ROME UNIV OF ITALY
ON GUIDANCE AND LANDING ACCURACY REQUIREMENTS IN REPENTRY TRAJECTORIES
PRES AT ACAD OF ASTRONAUTICS, PARIS, JUNE 1961
BY BROGLIO L. — DDC NR.
CONTRACT NR. AF 61(052)-198
PROJ/TASK NR. 9782-37718

AFOSR 3727
MAX PLANCK INST FUR STROMUNGS TECHNIK GOTTINGEN, GERMANY
SOME EXPERIMENTAL AND THEORETICAL RESULTS RELATING TO THE PRODUCTION AND THE SCATTERING OF NOISE BY TURBULENCE
BY MULLER E. A. — DDC NR.
TOLLMEIN W(PI) — CONTRACT NR. AF 61(514)-1143
PROJ/TASK NR. 9781-37712

AFOSR 3728
TECHNISCHE HOCHSCHULE MUNICH GERM
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PROCBAYERISCHE AKAD DER WISSENSCHAFTEN, MATH-NATUR KLASSE 7(N61-86,0106 1956
BY STETTER H. J. — DDC NR.
SAUER R(PI) — CONTRACT NR. AF 61(514)-1080
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AFOSR 3729
HEBREW UNIV, JERUSALEM, ISRAEL
ELECTRON DENSITY AND IONIZATION RATE IN THERMALLY INOIZED PRODUCED BY MEDIUM STRENGTH SHOCK WAVES
J FLUID MECH 6 449-461 1959
BY TIMNAT Y. MANHEIMER — DDC NR.
CONTRACT NR. AF 61(052)-401
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AFOSR 3730
HEBREW UNIV, JERUSALEM, ISRAEL
MICROWAVE MEASUREMENTS OF ELECTRON DENSITIES IN IONIZED GAS
PROC 9TH INT ASTRON CONG AMSTERDAM 1958 PP, 20-24
BY LOW W. — DDC NR.
MANHEIMER Y. — CONTRACT NR. AF 61(052)-401
PROJ/TASK NR. 9781-37713

AFOSR 3731
GENERAL DYNAMICS/ELECTRONICS, ROCHESTER, N Y
DISSIPATIVE PROPAGATION OF FINITE-AMPLITUDE WAVES IN A TUBE AUG 1962
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BY BLACKSTOCK D. T. — DDC NR.
CONTRACT NR. AF 49(638)-1118
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AFOSR 3732
GIANNINI CONTROLS CORP, BERWYN, PA
NEW DYNAMIC SYSTEM CONCEPTS AND THEIR APPLICATION TO AEROELASTIC SYSTEM APPROXIMATIONS 1962
BY ZISFEIN M. B. — DDC NR.
FRUEH F. J. — CONTRACT NR. AF 49(638)-1015
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AFOSR 3733
MINNESOTA UNIV OF MINNEAPOLIS
WAVEGUIDE PERTURBATION TECHNIQUES IN MICROWAVE SEMI CONDUCTOR DIAGNOSTICS
PROC 1962 IRE PROF GROUP ON MICROWAVE THEORY AND TECHNIQUES SYMPOSIUM PP 99 106
BY CHAMPLIN K S — DDC NR.
ARMSTRONG D B — CONTRACT NR. AF 49(638)-747
PROJ/TASK NR. 9763-37631

AFOSR 3734
STANFORD UNIV CALIF
REPRESENTATION OF WAVEGUIDES CONTAINING SMALL FERRIMAGNETIC ELLIPSOIDS
PROC PROF GROUP ON MICROWAVE THEORY AND TECHNIQUES SYMP BOULDER, COLO MAY 1962 PP,36-40
BY ANDERSON L. K. — DDC NR.
SHAW H. J. — CONTRACT NR. AF 49(638)-415
CHODOROW M(PI) — PROJ/TASK NR. 9768-37650

AFOSR 3735
IOWA STATE UNIV OF IOWA CITY
ORDINARY LINEAR DIFFERENTIAL OPERATORS OF MINIMUM NORM 1962
BY REID W. T. — DDC NR.
CONTRACT NR. AF 49(638)-994
PROJ/TASK NR. 9783-37727

AFOSR 3736
FREE UNIV OF BRUSSELS, BELGIUM
EQUIVALENCE BETWEEN THE TWO GENERALIZED MASTER EQUATION
BY FUJITA S. DDC NR.
PRIGOGINE I<PI> CONTRACT NR. AF EOAR 62-16
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AFOSR 3737
MICHIGAN STATE UNIV EAST LANSING
TRANSPORT PROPERTIES IN DILUTE ALLOYS
BY BLATT F J DDC NR. 288520
CONTRACT NR. AF 49<638>-70
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AFOSR 3738
VIRGINIA UNIV OF CHARLOTTESVILLE
ON MONOTONEITY OF LIMIT MAPPINGS
DUKE MATH J 29.#465-470.# SEP 1962
BY WHYBURN G. T. DDC NR.
CONTRACT NR. AF 49<638>-72
PROJ/TASK NR. 9783-03

AFOSR 3740
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
THE THERMODYNAMIC PROPERTIES OF THE PRODUCTS OF H2-02
COMBUSTION AT ELEVATED TEMPERATURES 1962
BY MOFFATT W. C. DDC NR.
SKINNER F. D. CONTRACT NR. AF 49<638>-375
ZAWORSKI R. J. PROJ/TASK NR. 9781-37712

AFOSR 3741
BELL AIRCRAFT CORP BUFFALO N Y
LOW TEMPERATURE PLASMA PHENOMENA 1962
BY WHALEN R. J. DDC NR.
PEARCE K. CONTRACT NR. AF 49<638>-380
PROJ/TASK NR. 9781-37713

AFOSR 3742
POLYTECHNIC INST OF BROOKLYN N Y
A NEW APPROACH TO THE NUMERICAL INTEGRATION OF
DIFFERENTIAL EQUATIONS
ANN MTG GESELLFUR ANGEWANDTE MATH UND MECH, HANNOVER,
WEST GERMANY, MAR 1959
BY RADOK J. R. M. DDC NR.
KEMPNER J<PI> CONTRACT NR. AF 49<638>-302
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AFOSR 3743
POLYTECHNIC INST OF BROOKLYN, N Y
INVESTIGATION OF PLATES AND SHELLS UNDER EXTERNAL
LOADING AND ELEVATED TEMPERATURE, TECHNICAL SUMMARY,
1 FEB 1958-31 AUG 1958
BY KEMPNER J. DDC NR.
CONTRACT NR. AF 49<638>-302
PROJ/TASK NR. 9782-37717

AFOSR 3744
CALIFORNIA UNIV BERKELEY
CYLINDER DRAG IN THE TRANSITION FROM CONTINUUM TO FREE
MOLECULE FLOW MAR 1962
BY MASLACH G J DDC NR.
SCHAAF S A CONTRACT NR. NONR 222 45
PROJ/TASK NR.

AFOSR 3745
STEVENS INST OF TECHNOLOGY, HOBOKEN N J
THE ITALIAN CONTRIBUTION TO THE THEORY OF NONLINEAR ORDINARY
DIFFERENTIAL EQUATIONS AND TO NONLINEAR MECHANICS DURING
THE YEARS 1951-1961
BY CONTI R. DDC NR.
GRAFFI D. CONTRACT NR. AF 49<638>-878
SANSONE G. PROJ/TASK NR. 9752-37522
DIAMOND A. H.

AFOSR 3746
WAYNE STATE UNIV DETROIT MICH
IMMERSIONS OF COMPACT METRIC SPACES INTO EUCLIDEAN SPACES
BY SZE-TSEN HU DDC NR.
CONTRACT NR. AF 49<638>-179
PROJ/TASK NR. 9769-37658

AFOSR 3747
COLUMBIA UNIV, N Y
JUL 1962 TWO-DIMENSIONAL FILTERING <U> TECHNICAL PROGRESS
FROM 2 JAN TO 30 JUN 1962 CONFIDENTIAL REPORT
BY O-NEILL L. H. <P.I.> DDC NR.
CONTRACT NR. AF 49<638>-1113
PROJ/TASK NR. 2837

AFOSR 3748
MICHIGAN STATE UNIV EAST LANSING
ON THE ANALYSIS OF SPECTRA IN TRANSMISSION THROUGH THIN
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J CHEM PHYS 37 1056 106 SEP 1962
BY MONTGOMERY D J DDC NR.
YEUNG K F CONTRACT NR. AF 49<638>-622
HAMMERLE W G PROJ/TASK NR. 9760-37601

AFOSR 3749
TUFTS UNIV MEDFORD MASS
INITIAL REACTION INTERMEDIATES IN THE OZONATION OF
ALKENES SEP 1962 FINAL REPORT
BY GREENWOOD F L DDC NR.
CONTRACT NR. AF 49<638>-292
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AFOSR 3751
PURDUE UNIV LAFAYETTE IND
THE HEATS OF COMBUSTION OF RES2 AND RE2S7 AND THE
THERMODYNAMIC FUNCTIONS FOR TRANSITION METAL SULFIDES
J PHYSI CHEM 66 791 796 MAY 1962
BY COBBLE J W DDC NR.
MCDONALD J E CONTRACT NR. AF 18<600>-1525
PROJ/TASK NR. 9760-37600

AFOSR 3752
BOSTON UNIV MASS
REACTIONS OF ACTIVE NITROGEN WITH ORGANIC SUBSTRATES I
THE MONOMERIC PRODUCTS OF THE REACTION WITH 1 3 BUTADIENE
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BY TSUKAMOTO A DDC NR.
LICHTIN N N CONTRACT NR. AF 49<638>-2
PROJ/TASK NR. 9763-37600

AFOSR 3753
INST DE QUIMICA FISICA MADRID SPAIN
SEMICONDUCTIVITY AND CATALYTIC ACTIVITY THE DEHYDROGENATION
OF ISOPROPYL ALCOHOL ON ZNO CR2 O 3 CATALYSTS
JOF CATALYSIS 2 136 150 1962
BY GARCIA DE A BANDA JF DDC NR.
CONTRACT NR. AF 61<514>-1330
PROJ/TASK NR. 9761-37610

AFOSR 3757
KANSAS UNIV OF LAWRENCE
NONEQUILIBRIUM THERMODYNAMICS OF THE SIMPLE MOVING
BOUNDARY EXPERIMENT
J CHEM PHYS 36 2432 2436 MAY 1962
BY BEARMAN R J DDC NR.
CONTRACT NR. AF AFOSR 61 7
PROJ/TASK NR. 9763-37630

AFOSR 3758
KANSAS UNIV LAWRENCE
ANALYSIS OF THE EPR SPECTRUM OF N N TETRAMETHYLBENZIDINE
POSITIVE ION
J CHEM PHYS 36 2814 MAY 1962
BY GALUS Z DDC NR.
ADAMS R N CONTRACT NR. AF 49<638>-822
PROJ/TASK NR. 9763-37600

AFOSR 3759
KANSAS UNIV OF LAWRENCE
ELECTRON PARAMAGNETIC RESONANCE AND ELECTROCHEMISTRY
ANAL CHEM 34 916 921 JUL 1962
BY PIETTE L H DDC NR.
LUDING P CONTRACT NR. AF 49<638>-822
ADAMS N PROJ/TASK NR. 9763-37600

AFOSR 3760
BURDEN NEUROLOGICAL INST BRISTOL ENGLAND
A STATISTICAL APPROACH TO THE THEORY OF CONDITIONING
MOSCOW COLLOQUIUM ON ELECTROENCEPHALOGRAPHY OF HIGHER
NERVOUS ACTIVITY ED BY H H JASPER AND G D SMIRNOV SUPPL NR
NR 13 OF EEG J 1960 PP 377 391
BY WALTER W G DDC NR.
CONTRACT NR. AF 61<514>-1178
PROJ/TASK NR. 9778-37708

AFOSR 3761
VIENNA UNIV AUSTRIA
SYMMETRIES OF FUNDAMENTAL PARTICLE INTERACTIONS AUG 1962
FINAL REPORT
BY THIRRING W E DDC NR. 289250
CONTRACT NR. AF 61<052>-265
PROJ/TASK NR. 9751-37512

AFOSR 3762
LABORATOIRE MEDITERANEEN DE MECH THERMODYN, NICE, FR
SEP 1962 THE USE OF THE REVOLVING DISC IN THE STUDY OF
INTERACTION PHENOMENA BETWEEN MOLECULES AND A SURFACE, FINAL
REPORT
BY DEVIENNE F. M. DDC NR. 289289
FORESTIER G. M. CONTRACT NR. AF 61<052>-124
PROJ/TASK NR. 9781-37712

AFOSR 3763
HEBREW UNIV JERUSALEM ISRAEL
FACET DESIGN AND ANALYSIS OF DATA ON PERSONALITY AND
ATTITUDES RELATED TO HUMAN ORGANIZATION FINAL REPORT 1962
BY FOA U G DDC NR. 288054
GUTTMAN L CONTRACT NR. AF 61<052>-121
PROJ/TASK NR. 9778-37707

AFOSR 3764
TRAINING CENTER EXPERIMENTAL AERODYNAMICS, BRUSSELS BELGIUM
FEB 1962 EFFECT OF GAS INJECTION IN SEPARATED SUPERSONIC
FLOWS
BY GINOUX J. J. DDC NR.
CONTRACT NR. AF 61<052>-350
PROJ/TASK NR. 9781-37712

AFOSR 3766
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
HYDROLYSIS EQUILIBRIA OF CATIONS AND ANIONS FINAL REPORT
OCT 1962
BY SILLEN L G DDC NR. 289332
CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3767
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS TORINO ITALY
ELECTROLUMINESCENCE OF ZNS EXCITED WITH LINEAR
VOLTAGE TRANSIENTS
LUMINESCENCE OF ORGANIC AND INORGANIC MATERIALS BY
KALLMAN AND SPRUCH #ILEY 1962 PP 605 611
BY BONFIGLIOLI G DDC NR.
BROVETTO P CONTRACT NR. AF 61<052>-328
CORTESE C PROJ/TASK NR. 9760-37601

AFOSR 3769
NAPLES UNIV OF ITALY
NOVEL METHODS OF CALCULATION APPLIED TO SEMICONDUCTOR
PHYSICS SEP 1962 FINAL REPORT
BY CAIANIELLO E R DDC NR. 289331
CONTRACT NR. AF 61<052>-434
PROJ/TASK NR. 9769-37631

AFOSR 3770
PISA UNIV OF ITALY
ALGEBRAIC DEPENDENCE THEOREMS ON COMPLEX
PSEUDOCONCAVE SPACES SEP 1962
BY ANDREOTTI A. DDC NR. 287775
CONTRACT NR. AF EOAR 62-35
PROJ/TASK NR. 9783-03

AFOSR 3771
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
THE CRYSTAL STRUCTURE OF INOHSO 4 H2O2
ACTA CHEM SCAND 15 1457 1459 1961
BY JOHANSSON G — DDC NR.
SILLEN L G — CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3772
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
THE CRYSTAL STRUCTURES OF A12OH2H2O8 SO422H2OAND A12OH2H2O8 SEO422H2O
ACTA CHEM SCAND 16 403 420 1962
BY JOHANSSON G — DDC NR.
SILLEN L G — CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3773
ROYAL INST OF TECHNOLOGY STOCKHOL SWEDEN
ON THE CRYSTAL STRUCTURE OF NA4 GE9O 20
ARKIV FOR KEMI 18 479 487 1961
BY INGRI N — DDC NR.
LUNDGREN G — CONTRACT NR. AF 61<052>-162
SILLEN L G — PROJ/TASK NR. 9760-37600

AFOSR 3774
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
STUDIES ON THE HYDROLYSIS OF METAL IONS 38
THE HYDROLYSIS OF MERCURY II IN PERCHLORATE MEDIUM
ACTA CHEM SCAND 16 887 902 1962
BY AHLBERG I — DDC NR.
SILLEN L G — CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3775
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
THE MONONUCLEAR HYDROLYSIS OF VANADIUM V
ACTA CHEM SCAND 15 1399 1400 1961
BY DYRSSEN D — DDC NR.
SEKINE T — CONTRACT NR. AF 61<052>-162
SILLEN L G — PROJ/TASK NR. 9760-37600

AFOSR 3776
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
EQUILIBRIUM STUDIES ON POLYANIONS 9 THE FIRST STEPS OF ACIDIFICATION OF CHROMATE ION IN 3 M NA CIO 4 MEDIUM AT 25OC
ACTA CHEM SCAND 16 719 734 1962
BY SASAKI Y — DDC NR.
SILLEN L G — CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3777
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
ON THE CRYSTAL STRUCTURES OF FEOHSO4 AND INOHSO4
ACTA CHEM SCAND 16 1234 1244 1962
BY JOHANSSON G — DDC NR.
SILLEN L G — CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3778
ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN
ON THE STRUCTURE OF CROCI
ACTA CHEM SCAND 16 777 1962
BY FORSBERG H — DDC NR.
SILLEN L G — CONTRACT NR. AF 61<052>-162
PROJ/TASK NR. 9760-37600

AFOSR 3779
MAX PLANCK INST FIER STROMINGSTECHNICK
EXPERIMENTELLE UNTERSUCHUNGEN UBER DIE STREUUNG VON SCHALL IN TURBULENTER STROMUNG
MITTEILUNGEN NR 28 1962
BY SCHMIDT D — DDC NR.
TOLLMEIN W — CONTRACT NR. AF EOAR 61-5
PROJ/TASK NR. 9761-37712

AFOSR 3780
TORINO POLITECNICO DI ITALY
THE SUPERFICIAL RE EMISSION LAW IN A FREE MOLECULE FLOW
SEP 1962
BY NOCILLA S — DDC NR.
FERRARI C — CONTRACT NR. AF 61<052>-511
PROJ/TASK NR. 9781-01

AFOSR 3781
ROYAL COLLEGE OF SCI AND TECHNOLOGY, GLASGOW SCOTLAND
MAGNETO-GAS-DYNAMIC SHOCK WAVES IN A GAS WITH VARIABLE CONDUCTIVITY
PHYS OF FLUIDS 5,0738-739,0 JUN 1962
BY HELLIWELL J. B. — DDC NR.
PACK D. C. — CONTRACT NR. AF EOAR 61-49
PROJ/TASK NR. 9783-01

AFOSR 3782
TECHNION RSCH&DEVEL FOUND, HAIFA, ISRAEL
BUCKLIN OF ORTHOTROPIC CONICAL SHELLS UNDER EXTERNAL PRESSURE SEP 1962
BY SINGER J. — DDC NR. 287638
FERSHT-SCHER R. — CONTRACT NR. AF EOAR 62-61
PROJ/TASK NR. 9782-01

AFOSR 3783
LABORATOIRE MEDITERANEEN DE RECH THERMODYN, NICE, FR
AUG 1962 EXPERIMENTAL RESEARCHES ON CHARGE OR MOMENTUM EXCHANGE BETWEEN IONS AND MOLECULES IN ORDER TO OBTAIN HIGH SPEED MOLECULAR BEAM FINAL REPORT
BY DEVIENNE F. M. — DDC NR. 287761
CRAVE B. C. — CONTRACT NR. AF 61<052>-561
SOUGUET J. — PROJ/TASK NR. 9781-01
CLAPIER R.

AFOSR 3784
POLYTECHNIC INST OF BROOKLYN N Y
ADSORPTION OF HIGH POLYMERS AUG FINAL REPORT
BY EIRICH F R — DDC NR.
CONTRACT NR. AF 49<638>-331
PROJ/TASK NR. 9761-376101

AFOSR 3785
BOSTON UNIV MASS
STRUCTURES OF BORON COMPOUNDS SEP 1962 FINAL REPORT
BY ERIKS K — DDC NR.
CONTRACT NR. AF 49<638>-69
PROJ/TASK NR. 9760-37600

AFOSR 3786
MINNESOTA UNIV OF MINNEAPOLIS
THEORETICAL STUDIES OF ABSORPTION LINE SHAPES 1962 FINAL REPORT
BY MEAD C A — DDC NR.
CONTRACT NR. AF 49<638>-940
PROJ/TASK NR. 9760-37600

AFOSR 3787
YALE UNIV NEW HAVEN CONN
THE REACTION OF 1 3 DIOLS INCLUDES THE CLEAVAGE REACTION OF 1 3 DIOLSIV JACS 83 968 974 FEB 1961
THE EPOXIDATION OF SOME ALLYLIC ALCOHOLS JACS 82 4891 4895 SEP 1960 1962 FINAL REPORT
BY ENGLISH J — DDC NR.
MAGGIO T E — CONTRACT NR. AF 49<638>-37
SASSIVER M — PROJ/TASK NR. 9760-37600

AFOSR 3788
SYDNEY UNIV AUSTRALIA
A COMPARISON OF PION AND NUCLEON INTERACTIONS IN NUCLEAR EMULSIONS BETWEEN 10 11 AND 10 13 EV
NUC PHYS 26 217 221 1961
BY BRISBOUT F A — DDC NR.
GAULD C — CONTRACT NR. AF 49<638>-842
MCCUSKER C B A — PROJ/TASK NR. 9774-37665
MALOS J
NISHIKAWA K
PEAK L S

AFOSR 3789
PURDUE UNIV LAFAYETTE IND
ADAPTIVE LEARNING SYSTEMS
PROC NEC 18 795 799 1962
BY GIBSON — DDC NR. 292796
CONTRACT NR. AF AFOSR 62 351
PROJ/TASK NR. 9783-02

AFOSR 3790
MARYLAND UNIV OF COLLEGE PARK
THE CURVATURE OF SHOCK FRONTS IN SHOCK TUBES JUL 1962
BY DE BOER P. C. T. — DDC NR. 286675
CONTRACT NR. AF 49<638>-401
PROJ/TASK NR. 9781-37713

AFOSR 3791
CORNELL UNIV ITHACA N Y
CRITICAL OPALESCENCE OF BINARY LIQUID MIXTURES METHANOL CYCLOHEXANE ANILINE CYCLOHEXANE
J CHEM PHYS 36 3373 3378 JUN 1962
BY DEBYE P — DDC NR.
CHU B — CONTRACT NR. AF AFOSR 62-12
KAUFMANN H — PROJ/TASK NR. 9760-3760-01

AFOSR 3792
ALABAMA UNIV OF UNIVERSITY
SPECTROPHOTOMETRIC DETERMINATION OF RHENIUM WITH 4-METHYLNIOXIME
TALANTA 7 269 275 1961
BY KASSNER J L — DDC NR.
TING S — CONTRACT NR. AF 18<600>-1567
GROVE E L — PROJ/TASK NR. 9763-37630

AFOSR 3793
STANFORD UNIV CALIF
NUMERICAL EVALUATION OF X-RAY ABSORPTION FACTORS FOR CYLINDRICAL SAMPLES AND ANNULAR SAMPLE CELLS
J APPL PHYS 33 2635 2639 AUG 1962
BY PAALMAN H H — DDC NR.
PINGS C J — CONTRACT NR. AF 49<638>-469
PROJ/TASK NR. 9760-37600

AFOSR 3794
ARKANSAS UNIV FAYETTEVILLE
OXIDATION OF METALS IN MOLTEN SALTS SILVER IN SODIUM CHLORIDE
J PHYS CHEM 66 1311 1317 JUL 1962
BY STERN K H — DDC NR.
CONTRACT NR. AF 49<638>-653
PROJ/TASK NR. 9760-37600

AFOSR 3795
RENSSELAER POLYTECHNIC INST TROY N Y
EVALUATION OF THE INDICATOR BUBBLE AND ELECTRODE DISPALCEMENT METHODS FOR TRANSPORT NUMBER MEASUREMENTS IN MOLTEN SALTS
J PHYS CHEM 61 1683 1684 1957
BY JANZ G J — DDC NR.
LORENZ M R — CONTRACT NR. AF 49<638>-50
PROJ/TASK NR. 9760-37600

AFOSR 3796
RENSSELAER POLYTECHNIC INST TROY N Y
STRUCTURE OF MOLTEN MERCURIC HALIDES IV MERCURIC BROMIDE ALKALI METAL BROMIDE MIXTURES
J PHY CHEM 64 808 811 JUN 1960
BY JANZ G J — DDC NR.
GOODKIN J — CONTRACT NR. AF 49<638>-50
PROJ/TASK NR. 9760-37600

AFOSR 3797
INDIANA UNIV BLOOMINGTON
THE CONCEPT OF PARTIAL IONIC CHARACTER
JA PPL PHYS 33 290 292 JAN 1362
BY SHULL H — DDC NR.
CONTRACT NR. AF 49<638>-318
PROJ/TASK NR. 9760-37600

AFOSR 3798
INDIANA UNIV BLOOMINGTON
ELECTRONIC CORRELATION ENERGY IN 3 AND 4 ELECTRON ATOMS
J MOL SPECT 5 1 16 JUL 1960
BY SHULL H DDC NR.
LINDERBERG J CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 3799
INDIANA UNIV BLOOMINGTON
THE NATURE OF THE TWO ELECTRON CHEMICAL BOND I THE HOMOPOLAR CASE
JACS 82 1287 1295 MAR 1960
BY SHULL H DDC NR.
CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 3800
INDIANA UNIV OF BLOOMINGTON
POTENTIAL CURVES FOR H2
J CHEM PHYS 36 1080 1081 FEB 1962
BY DAVIDSON E R DDC NR.
CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 3801
RENSSELAER POLYTECHNIC INST TROY N Y
AN ELECTRONIC RECORDING DIFFERENTIAL POTENTIOMETER
ANAL CHEM 31 623 APR 1959
BY JANZ G J DDC NR.
SOLOMONS C CONTRACT NR. AF 49(638)-90
PROJ/TASK NR. 9760-37600

AFOSR 3802
ALABAMA UNIV OF UNIVERSITY
AN INEXPENSIVE APPARATUS FOR SOLUBILITY MEASUREMENTS
J CHEM EDUC 37 150 MAR 1960
BY SCHMITT R H DDC NR.
GROVE E L CONTRACT NR. AF 18(600)-1567
KASSNER J L PROJ/TASK NR. 9763-37630

AFOSR 3803
UNIVERSITY COLLEGE LONDON ENGLAND
THE CALCULATION OF BASIS ATOMIC ORBITALS FOR MOLECULAR WAVE FUNCTIONS
GAZZETTA CHIM ITAL 90 1700 1711 1960
BY CRAIG D P DDC NR.
ZAULI C CONTRACT NR. AF 61(052)-61
PROJ/TASK NR. 9760-37600

AFOSR 3804
RENSSELAER POLYTECHNIC INST TROY N Y
MERCURIC HALIDES AS MOLTEN ELECTROLYTES PHYSICAL PROPERTIES VIBRATIONAL SPECTRA CONSTITUTION AND ELECTRICAL CONDUCTANCE
J ELECTROCHEM SOC 109 842 849 SEP 1962
BY JANZ G J DDC NR.
CONTRACT NR. AF 49(638)-978
PROJ/TASK NR. 9760-37600

AFOSR 3805
ALABAMA UNIV OF UNIVERSITY
COLORIMETRIC PROPERTIES OF SOME TRANSITION METAL GALLATES
J ALA ACAD SCI 32 25 29 JAN 1961
BY GROVE E L DDC NR.
MADDOX L CONTRACT NR. AF 18(600)-1567
JEFFERY W S PROJ/TASK NR. 9763-37630
KASSNER J L

AFOSR 3806
RENSSELAER POLYTECHNIC INST TROY N Y
MOLTEN NITRATES AS ELECTROLYTES STRUCTURE AND PHYSICAL PROPERTIES
ELECTROCHIM ACTA 7 427 434 1962
BY JANZ G J DDC NR.
JAMES D W CONTRACT NR. AF 49(638)-978
PROJ/TASK NR. 9760-37600

AFOSR 3807
COPENHAGEN UNIV OF DENMARK
PREPARATION OF BENZONITRILE ISOTOPICALLY LABELLED IN THE CYANIDE GROUP
ACTA CHEM SCAND 15 949 1961
BY BAK B DDC NR.
NIELSEN J T CONTRACT NR. AF 61(052)-73
LIPSCHITZ L PROJ/TASK NR. 9760-37600

AFOSR 3808
COPENHAGEN UNIV OF DENMARK
PREPARATION OF O LABELLED FURAN
ACTA CHEM SCAND 16 771 1962
BY BAK B DDC NR.
NIELSEN J T CONTRACT NR. AF 61(052)-73
SCHOTTLANDER M PROJ/TASK NR. 9760-37600

AFOSR 3809
COPENHAGEN UNIV OF DENMARK
SYNTHESIS OF ALPHA AND BETA CARBON ISOTOPICALLY LABELLED FURAN
ACTA CHEM SCAND 16 123 126 1962
BY BAK B DDC NR.
NIELSEN J T CONTRACT NR. AF 61(052)-73
SCHOTTLANDER M PROJ/TASK NR. 9760-37600

AFOSR 3810
WASHINGTON UNIV SEATTLE
NUCLEAR QUADRUPOLE RESONANCE OF AS 75 IN NA2 HASO4 7H2O
J CHEM PHYS 36 1690 1691 MAR 1962
BY JONES E D DDC NR.
UEHLING E A CONTRACT NR. AF 49(638)-92
PROJ/TASK NR. 9760-37601

AFOSR 3811
WASHINGTON UNIV SEATTLE
NUCLEAR MAGNETIC RESONANCE OF ARSENIC AND ANTIMONY IN LIQUID ASF5 AND SBCI5
J CHEM PHYS 36 1691 MAR 1962
BY JONES, E D DDC NR.
UEHLING, E A CONTRACT NR. AF 49(638)-92
PROJ/TASK NR. 9760-37601

AFOSR 3812
WASHINGTON UNIV SEATTLE
ZEEMAN MODULATOR FOR NUCLEAR QUADRUPOLE RESONANCE SPECTROSCOPY
REV SCI INSTR 33 775-776 JUL 1962
BY JONES E D DDC NR.
UEHLING E A<P.I.> CONTRACT NR. AF 49(638)-92
PROJ/TASK NR. 9760-37601

AFOSR 3813
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
SEEING DISLOCATIONS WITH X-RAY MICROGRAPHY
DIRECT OBSERVATION OF IMPERFECTIONS IN CRYSTALS, ED J B NEWKIRK AND J H WERNICK, INTERSCIENCE PUBL PP, 569-572
BY SCHULTZ J M DDC NR.
ARMSTRONG R W CONTRACT NR. AF 49(638)-1029
TILLER, W A PROJ/TASK NR. 9762-37621

AFOSR 3814
SYRACUSE UNIV NY
ANALYTICAL PROPERTIES OF S MATRIX AND UNIQUENESS OF THE SCATTERING POTENTIAL
J MATH PHYS 2 181-187 MAR-APR 1961
BY BARUT A O DDC NR.
RUEI K H CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9751-37512

AFOSR 3815
CAMBRIDGE UNIV OF ENGLAND
THE MAGNETIC SUSCEPTIBILITIES OF ALUMINIUM RICH TRANSITION METAL INTERMETALLIC COMPOUNDS
PROC PHYS SOC 78 1246-1254 1961
BY TAYLOR M A DDC NR.
BLACK P J<P.I.> CONTRACT NR. AF 61(052)-50
TAYLOR W H<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 3816
CAMBRIDGE UNIV ENGLAND
MAGNETIC EFFECTS OF TRANSITION IMPURITIES IN ALUMINIUM
J DE PHYS ET LE RAD 20 829-830 OCT 1959
BY TAYLOR M A DDC NR.
BLACK P J<P.I.> CONTRACT NR. AF 61(052)-50
TAYLOR W H<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 3817
CAMBRIDGE UNIV OF ENGLAND
THE ALUMINIUM-RHENIUM AND ALUMINIUM-TECHNETIUM SYSTEMS THE NEW PHASES RFA16 AND TCA16
PHIL MAG 7 1247 1248 JUL 1962
BY D-ALTE DA VEIGA L M DDC NR.
TAYLER D H<P.I.> CONTRACT NR. AF 61(052)-50
BLACK P J<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 3818
CAMBRIDGE UNIV OF ENGLAND
INTERMETALLIC PHASES IN THE ALUMINIUM-MANGANESE BINARY SYSTEM
ACAT METALL 8 256-262 APR 1960
BY TAYLOR M A DDC NR.
BLACK P J<P.I.> CONTRACT NR. AF 61(052)-50
TAYLOR W H <P.I.> PROJ/TASK NR. 9760-37601

AFOSR 3819
CAMBRIDGE UNIV OF ENGLAND
THE SPACE GROUP OF MNA13
ACTA CRYST 14 84 JAN 1961
BY TAYLOR M A DDC NR.
BLACK P J<P.I.> CONTRACT NR. AF 61(052)-50
TAYLOR W H<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 3820
CAMBRIDGE UNIV OF ENGLAND
X-RAY FLUORESCENCE METHOD FOR DETERMINATION OF THE TRANSITI METAL CONTENT IN VERY SMALL SPECIMENS OF ALLOYS
J SCI INSTR 37 394-397 OCT 1960
BY BROWN P J DDC NR.
TAYLOR W H<P.I.> CONTRACT NR. AF 61(052)-50
BLACK P J<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 3821
CAMBRIDGE UNIV OF ENGLAND
THE STRUCTURE OF ALPHA <AL-CU-FE>
ACTA CRYST 14 993-998 SEP 1961
BY BLACK P J DDC NR.
EDWARDS O S CONTRACT NR. AF 61(052)-50
FORSYTH J B PROJ/TASK NR. 9760-37601
TAYLOR W H<P.I.>

AFOSR 3822
CAMBRIDGE UNIV OF ENGALND
THE STRUCTURE OF THE - PHASE NB2A
ACTA CRYSTALL 14 362-364 APR 1961
BY BROWN P J DDC NR.
FORSYTH J B CONTRACT NR. AF 61(052)-50
TAYLOR W H<P.I.> PROJ/TASK NR. 9760-37601
BLACK P J<P.I.>

AFOSR 3823
CAMBRIDGE UNIV OF ENGLAND
THE STRUCTURE OF THE INTERMETALLIC PHASE <MO-AL> MO3A18
ACTA CRYSTALL 15 100-104 FEB 1962
BY FORSYTH J B DDC NR.
GRAN G CONTRACT NR. AF 61(052)-50
TAYLOR W H<P.I.> PROJ/TASK NR. 9760-37601
BLACK P J<P.I.>

AFOSR 3824
CORNELL UNIV ITHACA, N Y
COSMIC RAYS AND THE INTERPLANETARY MEDIUM
ASTRON 43-45 AUG 1962
BY GOLD T DDC NR.
CONTRACT NR. AF AFOSR 62-191
PROJ/TASK NR. 9768-01

AFOSR 3025
SYRACUSE UNIV NY
ON THE INTERACTION OF THE PION AND CASCADE PARTICLE
PROG OF THEOR PHYS 26 1008-1010 DEC 1961
BY IWAO S DDC NR.
BARUT A O<P.I.> CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9751-37512

AFOSR 3026
SYRACUSE UNIV NY
A COMMENT ON THE SIGMA-LAMBDA PARITY AND RESOLUTION
BETWEEN THE BOUND STATE MODEL AND THE ISOBAR MODEL OF Y
NUOVO CIM SER X 23 784-786 FEB 1962
BY IWAO S DDC NR.
BARUT A O<P.I.> CONTRACT NR. AF 49(638)-80
PROJ/TASK NR. 9751-37512

AFOSR 3027
SYRACUSE UNIV NY
PRELIMINARY DETERMINATION OF THE SIGMA-LAMBDA PARITY USING
POLOLOGY
NUOVO CIM SER X 23 516-525 FEB 1962
BY IWAO S DDC NR.
BARUT A O<P.I.> CONTRACT NR. AF 49(638)-801
PROJ/TASK NR. 9751-37512

AFOSR 3029
PENNSYLVANIA, UNIV OF PHILADELPHIA
A SEMIGROUP ASSOCIATED WITH A TRANSORMATION GROUP 1960
TRANS AMER MATH SOC 94.•272-281.• FEB 1960
BY ELLIS R. DDC NR.
CONTRACT NR. AF 49(638)-569
PROJ/TASK NR. 9783-37727

AFOSR 3030
PENNSYLVANIA UNIV OF PHILADELPHIA
REMOTE POINTS IN R 1962
PROC AMER MATH SOC 13.•29-36.• FEB 1962
BY FINE N. J. DDC NR.
GILLMAN L. CONTRACT NR. AF 49(638)-1007
PROJ/TASK NR. 9769-37658

AFOSR 3031
MARYLAND UNIV OF COLLEGE PARK
ON A RESULT OF HADAMARD CONCERNING THE SIGN OF THE
PRECESSION OF A HEAVY SYMMETRICAL TOP
PROC AMER MATH SOC 13 669-670 AUG 1962
BY DIAZ J B DDC NR. 286084
METCALF F T CONTRACT NR. AF 49(638)-228
PROJ/TASK NR. 9783-37727

AFOSR 3032
STANFORD UNIV CALIF
ON THE MARTIN BOUNDARY FOR MARKOV CHAINS
PROC 40.•963-968.• JUN 1962
BY CHUNG K. L. DDC NR.
CONTRACT NR. AF AFOSR 62-243
PROJ/TASK NR. 9783-37727

AFOSR 3033
ERLANGEN UNIV WEST GERMANY
ON A COMPACE HOMOGENEOUS KHLERIAN MANIFOLD
MATH ANNALEN 145 429-439 62
BY BOREL A DDC NR.
REMMERT R W CONTRACT NR. AF EOAR 61-50
PROJ/TASK NR. 9752-37522

AFOSR 3035
JOHN HOPKINS UNIV BALTIMORE, MD
THE EXISTENCE OF LARGE OR SMALL SOLUTIONS OF LINEAR
DIFFERENTIAL EQUATIONS
DUKE MATH J 28.•421-430.• SEP 1961
BY HARTMAN P. DDC NR.
CONTRACT NR. AF 49(638)-970
PROJ/TASK NR. 9783-37727

AFOSR 3036
JOHN HOPKINS BALTIMORE, MD
ON DICHOTOMIES FOR SOLUTIONS OF N-TH ORDER LINEAR
DIFFERENTIAL EQUATIONS
MATH ANNALEN 147.•378-421.• 1962
BY HARTMAN P. DDC NR.
CONTRACT NR. AF 49(638)-970
PROJ/TASK NR. 9783-37727

AFOSR 3037
ERLANGEN UNIV, WEST GERMANY
ON THE MODIFICATION OF AN EXCEPTIONAL ANALYTIC SET
MATH ANNALEN 146 331-368 62
BY GRAUERT H DDC NR.
REMMERT R W<P.I.> CONTRACT NR. AF EOAR 61-50
PROJ/TASK NR. 9752-37522

AFOSR 3038
PENNSYLVANIA UNIV OF PHILADELPHIA
EXTENSION OF CONTINUOUS FUNCTIONS IN BN
BUL AMER MATH SOC 66.•376-381.• SEP 1960
BY FINE N. J. DDC NR.
GILLMAN L. CONTRACT NR. AF 18(603)-65
PROJ/TASK NR. 9769-37658

AFOSR 3039
PENNSYLVANIA UNIV OF PHILADELPHIA
THE PROBABILITY THAT A MATRIX BE NILPOTENT
ILL J MATH 2/4A.•499-504.• DEC 1958
BY FINE N. J. DDC NR.
HERSTEIN I. N. CONTRACT NR. AF 18(603)-65
PROJ/TASK NR. 9752-37522

AFOSR 3040
PENNSYLVANIA UNIV OF PHILADELPHIA
PAIRS OF COMMUTING MATRICES OVER A FINITE FIELD 1960
DUKE MATH J 27.•91-94.• 1960
BY FEIT W. DDC NR.
FINE N. J. CONTRACT NR. AF 18(603)-65
PROJ/TASK NR. 9769-37658

AFOSR 3041
INST FOR ADVANCED STUDY, PRINCETON N J
A PRIORI ESTIMATES FOR THE SOLUTIONS OF DIFFERENCE
APPROXIMATIONS TO PARABOLIC PARTIAL DIFFERNTIAL
EQUATIONS 1957
DUKE MATH J 27.•297-312.• SEP 1960
BY LEES M. DDC NR.
DEURLING A. CONTRACT NR. AF 49(638)-259
MORSE M<P1> PROJ/TASK NR. 9783-37727

AFOSR 3042
MINNESOTA UNIV OF MINNEAPOLIS
DIRICHLET-S PRINCIPLE IN THE CALCULUS OF BARIATIONS
PROC SYMP IN PURE MATH 4 17 22 1961
BY SERRIN J B DDC NR.
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-37658

AFOSR 3043
MINNESOTA UNIV OF MINNEAPOLIS
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J AEROSP SCI 28 DEC 1961 990-991
BY SERRIN J B DDC NR.
WANG Y C CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-37658

AFOSR 3044
MINNESOTA UNIV OF MINNEAPOLIS
A NEW DEFINITION OF THE INTEGRAL FOR NON-PARAMETRIC PROBLEM
IN THE CALCULUS OF VARIATIONS
ACTA MATH 102 23-32 1959
BY SERRIN J B DDC NR.
CONTRACT NR. AF 49(638)-262
PROJ/TASK NR. 9769-37658

AFOSR 3045
RIAS INC BALTIMORE MD
THE EXISTENCE OF OPTIMAL CONTROLS
MICHIGAN MATH J 9 109-119 1962
BY ROXIN E DDC NR.
LEFSCHETZ S<P.I.> CONTRACT NR. AF 49(638)-382
PROJ/TASK NR. 9783-02

AFOSR 3047
ILLINOIS UNIV OF URBANA
DESIGN OF COMBINATIONAL SWITCHING CIRCUITS USING AN
INTERATIVE CONFIGURATION
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MILWAUKEE WIS M-1 - M-23/DEC 59
BY EPLEY D L DDC NR.
VAN VALKENBURG M E<P CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3048
ILLINOIS UNIV OF URBANA
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BY CRUZ JR J B CONTRACT NR. 289308
VAN VALKENBURG<P.I.> CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3049
ILLINOIS UNIV OF URBANA
MEASURES OF SENSITIVITY FOR LINEAR SYSTEMS WITH LARGE
MULTIPLE PARAMETER VARIATIONS
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BY MAKIMI S L DDC NR.
CRUZ JR J B CONTRACT NR. AF 49(638)-63
VAN VALKENBURG<P .I. PROJ/TASK NR. 9768-37650

AFOSR 3050
ILLINOIS UNIV OF URBANA
RECENT ADVANCES IN ACTIVE NETWORK SYNTHESIS
PROC 4TH MIDWEST SYMP ON CIRCUIT THEORY MARQUETTE UNIV MIL
WIS 6 N.1-N. 13 DEC 59
BY VAN VALKENBURG M E DDC NR. 289311
CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3051
ILLINOIS UNIV OF URBANA
THE SYNTHESIS OF MODELS FOR TIME-VARYING LINEAR SYSTEMS
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BY CRUZ JR J B DDC NR. 289312
VAN VALKENBURG M E CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3052
ILLINOIS UNIV OF URBANA
A GENERALIZATION OF THE IMPULSE TRAIN APPROMIMATION FOR TIM
VARYING LINEAR SYSTEM SYNTHESIS IN THE TIME DOMAIN
IRE TRANS PROF GROUP ON CIRCUIT THEORY CT-6 DEC 59
BY CRUZ JR J B DDC NR.
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AFOSR 3053
ILLINOIS UNIV OF URBANA
TRANSISTOR-RC NETWORK SYNTHESIS
IRE WESCON REC PART II L5-74 AUG 1959
BY MYERS B R DDC NR.
VAN VALKENBURG<P.I.> CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3054
ILLINOIS UNIV OF URBANA
WHAT IS NEGATIVE IMPEDANCE
J BRIT INST OF ELEC. ENG. AUG 1959 PP 471-472
BY MYERS B R DDC NR.
VAN VALKENBURG <P.I. CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3859
ILLINOIS UNIV OF URBANA
A USEFUL EXTENSION OF THE NYQUIST CRITERION TO STABILITY ANALYSIS OF MULTILOOP FEED BACK AMPLIFIERS
PROC 4TH MIDWEST SYMPOSIUM ON CIRCUIT THEORY MARQUETTE UNIV MILWAUKEE, WIS J-1 - J-12/DEC 59
BY MYERS B R — DDC NR. 289310
VAN VALKENBURG<P.I.> — CONTRACT NR. AF 49(638)-63
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AFOSR 3896
ILLINOIS UNIV OF URBANA
THE TCHEBYSHEFF APPROXIMATION OF A PRESCRIBED IMPULSE RESPONSE WITH RC NETWORK REALIZATION
IRE CONVENTION RECORD PART II 214-220 1961
BY TANG D T — DDC NR.
VAN VALKENBURG<P .I. — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3897
ILLINOIS UNIV OF URBANA
THE USE OF THE ACTIVE LATTICE TO OPTIMIZE TRANSFER FUNCTION SENSITIVIES
PROC SYMP ACTIVE NETWORKS & FEEDBACK SYSTEMS <POLYTECH INST OF BKLYN> 179-188 APR 1960
BY THOMAS R F — DDC NR.
VAN VALKENBURG<P.I.> — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3898
ILLINOIS UNIV OF URBANA
THE ACTIVE CONSTANT-RESISTANCE LATTICE
PROC REC 13 727-737 1959
BY THOMAS R F — DDC NR.
VAN VALKENBURG<P.I.> — CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3899
ILLINOIS UNIV OF URBANA
ACTIVE SYNTHESIS BY R-RL PARTITIONING
WEREM 1960 RECORD P 82-83
BY VAN VALKENBURG<P.I.> — DDC NR.
CONTRACT NR. AF 49(638)-63
PROJ/TASK NR. 9768-37650

AFOSR 3860
ILLINOIS UNIV OF URBANA
A GENERAL SYNTHESIS OF TUNNEL DIODE NETWORKS AND SENSITIVITY MINIMIZATION
DELIVERED AT NATL ELECTRONICS CONFERENCE PAPER SUBMITTED IN LATE SPRING
BY SHENOI B A — DDC NR.
VAN VALKENBURG<P .I. — CONTRACT NR. AF AFOSR 62-126
PROJ/TASK NR. 9768

AFOSR 3861
HARVARD UNIV CAMBRIDGE MASS
TEICHMULLER SPACES
BY AHLFORS L V — DDC NR.
WALSH J<P.I.> — CONTRACT NR. AF 49(638)-574
PROJ/TASK NR. 9769-37650

AFOSR 3862
MICHIGAN UNIV OF ANN ARBOR
LACONICITY AND REDUNDANCY OF TOEPLITZ MATRICES
BY ERDOS P. — DDC NR.
PIRANIAN G. — CONTRACT NR. AF 49(638)-633
PROJ/TASK NR. 9752-37522

AFOSR 3863
MICHIGAN UNIV OF ANN ARBOR
THE MAPPING THEOREMS OF CARATHEODORY AND LINDELOF
BY COLLINGWOOD E. F. — DDC NR.
PIRANIAN G. — CONTRACT NR. AF 49(638)-633
PROJ/TASK NR. 9752-37522

AFOSR 3864
MINNESOTA UNIV OF MINNEAPOLIS
A SOJOURN DENSITY PROCESS OF BROWNIAN MOTION 1962
BY KNIGHT F. B. — DDC NR.
CAMERON R. H. — CONTRACT NR.
CAMERON R. H. — CONTRACT NR. AF 18(603)-30
PROJ/TASK NR. 9752-37522

AFOSR 3865
WASHINGTON UNIV, SEATTLE
MAN-COMPUTER INTERFACE STUDY, JUN 1961
BY JOHNSON D. L. — DDC NR. 287791
KOBLER A. L. — CONTRACT NR. AF 49(638)-1070
JOHNSON D. L. <P.I.> — PROJ/TASK NR. 9769-02

AFOSR 3866
RENSSELAER POLYTECHNIC INST, TROY N Y
A THEORY OF THE TWO-DIMENSIONAL LAMINAR BOUNDARY LAYER OVER A CURVED SURFACE
J AEROSP SCI 28,#877-884,# NOV 1961
BY YEN K. T. — DDC NR.
TOBA K. — CONTRACT NR. AF 49(638)-23
PROJ/TASK NR. 9781-37712

AFOSR 3867
COLUMBIA UNIV NY
MICROWAVE SPECTRUM AND STRUCTURE OF FORMIC ACID
J CHEM PHYS 26 600-603 MAR 1957
BY LERNER R G — DDC NR.
DAILEY B P — CONTRACT NR. AF 18(600)-1152
FRIEND J P — PROJ/TASK NR. 9760-37600

AFOSR 3868
SYRACUSE UNIV N Y
AN APPROACH TO GRAVITATIONAL RADIATION BY A METHOD OF SPIN COEFFICIENTS
J MATH PHYS 3,#566-578,# MAY-JUN 1962
BY NEWMAN E. — DDC NR.
BERGMAN P G<PI> — CONTRACT NR. AF 49(638)-461
PROJ/TASK NR. 9751-37512

AFOSR 3869
SYRACUSE UNIV N Y
OBSERVABLES IN GENERAL RELATIVITY
REV MOD PHYS 33,#510-514,# OCT 1961
BY BERGMANN P. G. — DDC NR.
CONTRACT NR. AF 49(638)-461
PROJ/TASK NR. 9751-37512

AFOSR 3870
SYRACUSE UNIV N Y
[illegible] PROPERTIES OF A SYSTEM WITH NEGATIVE TOTAL MASS
PHYS REV 126,#1227-1231,# MAY 1962
BY BERGMANN P. G. — DDC NR.
ROBINSON I. — CONTRACT NR. AF 49(638)-461
SCHUCKING E. — PROJ/TASK NR. 9751-37512

AFOSR 3871
SYRACUSE UNIV N Y
DIRECT TEST FOR THE STRONG EQUIVALENCE PRINCIPLE
PHYS REV LTRS 9,#79-80,# JUL 1962
BY MORGAN T. A. — DDC NR.
PERES A. — CONTRACT NR. AF 49(638)-461
BERGMANN P G<PI> — PROJ/TASK NR. 9751-37512

AFOSR 3872
WESTINGHOUSE RESEARCH LABS, PITTSBURGH, PENNA
SOLIDIFICATION JUN 1962
BY TILLER W A — DDC NR. 286428
CONTRACT NR. AF 49(638)-1029
PROJ/TASK NR. 9762-37621

AFOSR 3873
MARYLAND UNIV, COLLEGE PARK
JUN 1962 AN EXPERIMENTAL STUDY OF THE THREE DIMENSIONALITY OF THE FLOW AROUND A CIRCULAR CYLINDER
BY MATTINGLY G. E. — DDC NR. 285632
CONTRACT NR. AF 49(638)-665
PROJ/TASK NR. 9781-02

AFOSR 3874
WASHINGTON UNIV ST LOUIS MO
RESEARCH IN THEORETICAL PHYS FINAL REPORT
BY FREEBERG F — DDC NR.
CONDON E U — CONTRACT NR. AF 49(638)-834
PROJ/TASK NR. 9751-37512

AFOSR 3875
MARYLAND UNIV OF COLLEGE PARK
EFFECTS OF THE FINITE GYRORADII OF GEOMAGNETICALLY TRAPPED PROTONS
J GEOPHYS RSCH 67,#4073-4075,# SEP 1962
BY LENCHEK A. M. — DDC NR.
SINGER S. F. — CONTRACT NR. AF AFOSR 62-284
PROJ/TASK NR. 9774-02

AFOSR 3876
WEIZMANN INST OF SCI REHOVOTH, ISRAEL
FINE STRUCTURE OF THE 23PAND33P STATES OF HELIUM
PHYS REV 126,#1057-1058,# MAY 1962
BY PEKERIS C. L. — DDC NR.
SCHIFF B. — CONTRACT NR. AF 61(052)-510
LIFSON H<PI> — PROJ/TASK NR. 9751-37511

AFOSR 3877
CORNELL U, ITHACA, N Y
ARECIBO IONOSPHERIC OBSERVATORY, RESEARCH IN IONOSPHERIC PHYSICS, SUMMARY TECHNICAL REPORT NR1 JUN 1962
BY GORDON W. E. — DDC NR. 291652
LALONDE L. M. — CONTRACT NR. AF 49(638)-1156
TALPEY T. E< — PROJ/TASK NR. 2836

AFOSR 3878
MISSOURI UNIV OF COLUMBIA
COMPLETELY WELL-POSED PROBLEMS FOR NONLINEAR DIFFERENTIAL EQUATIONS
BY GEORGE M. D. — DDC NR.
CONTRACT NR. AF AFOSR 62-97
PROJ/TASK NR. 9752-37522

AFOSR 3879
WASHINGTON U, ST LOUIS MO
THE EFFECT OF DISSOLVED PARAMAGNETIC ION ON THE ESR SPECTRA OF DIPHENYL NITRIC OXIDE
BULL CHEM SOC JAPAN 35,#598-602,# APR 1962
BY DEGUCHI Y. — DDC NR.
WEISSMAN S. I. — CONTRACT NR. AF 49(638)-464
MORBERG R<PI> — PROJ/TASK NR. 9751-37511

AFOSR 3880
GENERAL DYNAMICS POMONA, CALIF
SEP 1962 A TWO DIMENSIONAL ANALYSIS OF ELASTIC THERMAL STRES WITH APPLICATION TO ROCKET MOTOR GRAINS
BY SMOOK R. G. — DDC NR.
RUTHERLAND R R<P.I.> — CONTRACT NR. AF 49(638)-592
PROJ/TASK NR.

AFOSR 3881
STANFORD UNIV CALIF
A REVIEW AND EXTENSION OF SECOND-ORDER HYPERSONIC BOUNDARY-LAYER THEORY JUN 1962
BY VAN DYKE M. — DDC NR.
CONTRACT NR. AF 49(638)-965
PROJ/TASK NR. 9781-37712

AFOSR 3882
MICHIGAN UNIV OF, ANN ARBOR
OCT 1962 REPROT ON ATTENDANCE AT EUROPEAN CONFERENCES ON ACOUSTICS AND SPEECH, 16 AUG-14 SEP 1962
BY PETERSON G. E. — DDC NR. 289314
SHOUP J. E. — CONTRACT NR. AF 49(638)-492
PROJ/TASK NR. 9769-37659

AFOSR 3884
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
STUDIES IN CRYSTAL PREPARATION AND STRUCTURAL MECHANISMS FOR NEW PHYSICAL PROPERTIES OF SOLIDS FINAL REPORT MAR 1962
BY PEPINSKY R — DDC NR. 285912
CONTRACT NR. AF 49(638)-1044
PROJ/TASK NR. 9769-37631

AFOSR 3885
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
RESEARCH IN MODERN CRYSTALLOGRAPHY FINAL REPORT MAR 1962
BY PEPINSKY R — DDC NR. 285510 — CONTRACT NR. AF 49(638)-416 — PROJ/TASK NR. 9760-37601

AFOSR 3886
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
A MATHEMATICAL ANALYSIS OF SOLUTE REDISTRIBUTION DURING EVAPORATION WITH A CARRIER GAS JUL 1962
BY TILLER W A — DDC NR. 288093 — CONTRACT NR. AF 49(638)-1029 — PROJ/TASK NR. 9762-37621

AFOSR 3887
AVCO EVERETT RSCH LABORATORY EVERETT MASS
ELECTROSTATIC ACCELERATION OF NEUTRAL PLASMAS-MOMENTUM TRANSFER THROUGH MAGNETIC FIELDS
BY JANES G. S. — DDC NR. 408492 — CONTRACT NR. AF 49(638)-659 — PROJ/TASK NR. 9752-37521
DOTSON J. — WILSON T. — KANTROWITZ. A R .P. I.@

AFOSR 3888
COLUMBIA UNIV. N Y
ON THE BUCKLING OF CIRCULAR CYLINDRICAL SHELLS UNDER EXTERNA PRESSURE AUG 1962
BY ARMENAKAS A. E. — HERRMANN G. — DDC NR. — CONTRACT NR. AF 49(638)-630 — PROJ/TASK NR. 9782-37717

AFOSR 3889
POMONA COLLEGE CLAREMONT CALIF
DODIUM AND MAGNESIUM FLUORESCENCE ANALYSIS. PART I. METHOD
BY HENKE B. L. — AF AFSSR 62-419 — DDC NR. — CONTRACT NR. — PROJ/TASK NR. 9791-02

AFOSR 3890
YALE UNIV NEW HAVEN CONN
THE KINETICS OF THE THERMAL CIS-TRANS ISOMERIZATION OF 2-METHYL<2.1.0> BICYCLOPENTANE
JACS 84 3290-3293 SEP 1962
BY CHESICK J P — DDC NR. — CONTRACT NR. AF 49(638)-722 — PROJ/TASK NR. 9760-37600

AFOSR 3891
ZATOR CO. CAMBRIDGE. MASS
TRAINING SEQUENCES FOR MECHANIZED INDUCTION
PROC CONF ON SELF-ORGANIZING SYSTEMS. MAY 1962 PP 429-434
BY SOLOMONOFF R. J. — DDC NR. — CONTRACT NR. AF 49(638)-376 — PROJ/TASK NR. 9760-37659

AFOSR 3892
UNIVERSITY COLLEGE LONDON ENGLAND
EVALUATION OF MOLECULAR INTEGRALS BY A NUMERICAL METHOD
PROC PHYS SOC 53-64 1961
BY CRAIG D P — MAGNUSSON E A — ZAULI C — DDC NR. — CONTRACT NR. AF 61(052)-61 — PROJ/TASK NR. 9760-37600

AFOSR 3893
POLYTECHNIC INST OF BROOKLYN N Y
CREEP ANALYSIS OF COMPRESSIBLE CIRCULAR PLATES AUG 1962
BY PATEL S. A. — COZZARELLI — VENKATRAMAN B<PI> — KEMPNER J<PI> PI> — DDC NR. 287042 — CONTRACT NR. AF AFOSR 62-200 — PROJ/TASK NR. 9782-01

AFOSR 3894
ST JOHN-S UNIV JAMAICA N Y
APPROXIMATE CROSS-SECTIONS FOR INELASTIC COLLISIONS OF ELECTRONS WITH ATOMS. II. FORBIDDEN TRANSITIONS
ASTROPHYS J 134.•724-732.• NOV 1961
BY SCANLON J. M. — MILFORD S. N. — DDC NR. — CONTRACT NR. AF AFOSR 61-10 — CONTRACT NR. 9768-01

AFOSR 3895
ST JOHN-S UNIV JAMAICA N Y
SPALLATION OF INTERSTELLAR MATTER.• COSMIC-RAY INTENSITY IN THE PAST
PHYS REV 122.•1921-1922.• JUN 1961
BY MILFORD S. N. — DDC NR. — CONTRACT NR. AF AFOSR 61-10 — PROJ/TASK NR. 9768-01

AFOSR 3897
GENERAL ELECTRIC CO PHILADELPHIA PA
END LOSSES IN MAGNETOHYDRODYNAMIC CHANNELS WITH TENSOR ELECTRICAL CONDUCTIVITY AND SEGMENTED ELECTRODES
BY SUTTON G. W. — DDC NR. — CONTRACT NR. AF 49(638)-914 — PROJ/TASK NR. 9750-37501

AFOSR 3898
GENERAL ELECTRIC CO CINCINNATI O
THIRD SYMPOSIUM ON ADVANCED PROPULSION CONCEPTS TO BE PUBL AND DISTRIBUTED THRU GE GORDON & BEACH N Y
BY MICHAELS G. M. — DDC NR. — CONTRACT NR. AF 49(638)-1193 — PROJ/TASK NR.

AFOSR 3899
NORTHEASTERN UNIV BOSTON. MASS
THEORY OF PLASMA INSTABILITY FINAL REPORT SEP 1962
BY LLANZA G. — DDC NR. — CONTRACT NR. AF 49(638)-955 — PROJ/TASK NR. 9768

AFOSR 3900
POLYTECHNIC INST OF BROOKLYN N Y
ON TAKE-OFF FROM CIRCULAR ORBIT BY SMALL THRUST AUG 1962
BY TING L. — BROPHAM S. — PERRI A<PI> — DDC NR. 284799 — CONTRACT NR. AF 49(638)-449 — PROJ/TASK NR. 9781-37712

AFOSR 3901
AVCO EVERETT RSCH LABORATORY EVERETT MASS
SEP 1962 PLASMA FLOW IN A MAGNETIC ANNULAR ARC NOZZLE
BY PATRICK R M — POWERS W E — JANES. G. S. .P.I.> — KANTROWITZ. A R <P. I.> — DDC NR. 290882 — CONTRACT NR. AF 49(638)-659 — PROJ/TASK NR. 9752-37521

AFOSR 3902
AVCO EVERETT RSCH LABORATORY EVERETT MASS
PLASMA BOUNDARY LAYERS DEC 1961
BY PAY J. A. — KANTROWITZ A. R. — KANTROWITZ A R — DDC NR. — CONTRACT NR. AF 49(638)-659 — PROJ/TASK NR. 9752-37521

AFOSR 3904
TECHNICAL RSCH GROUP
RESEARCH ON PROPERTIES OF LASER DEVICES FIRST QUARTERLY TECHNICAL SUMMARY REPORT JUNE THROUGH AUGUST 1962
BY — DDC NR. 286916 — CONTRACT NR. AF 49(638)-673 — PROJ/TASK NR.

AFOSR 3905
SOUTHERN CALIFORNIA UNIV OF LOS ANGELES
THE INTRAMOLECULAR THERMAL REARRANGEMENT OF THE BICYCLO <3.2.0>-HEPTENYL TO THE BICYCLO<2.2.1> HEPTENYL SYSTEM
JACS 84 3606-3607 SEP 1962
BY BERSON J A — PATTON J W — DDC NR. — CONTRACT NR. AF 49(638)-828 — PROJ/TASK NR. 9760-37600

AFOSR 3906
MICHIGAN STATE UNIV EAST LANSING
THEORY OF ELECTRON CONDUCTION IN STRONG MAGNETIC FIELDS AT LOW TEMPERATURES OCT 1962
BY NAKAMURA K — BLATT F @<P.I.> — DDC NR. 287664 — CONTRACT NR. AF 49(638)-70 — PROJ/TASK NR. 9769-37631

AFOSR 3907
STANFORD UNIV CALIFORNIA
COMMUNICATION THROUGH RANDOM MULTIPATH MEDIA
BY HARRIS D. P. — TERMAN F E<PI> — DDC NR. 291447 — CONTRACT NR. NONR 225<24> — PROJ/TASK NR. 4751

AFOSR 3908
STANFORD UNIV CALIFORNIA
NATURAL FREQUENCIES OF TUNNEL DIODES WITH PARASITICS MAY 1962
BY GOLOSMAN A. S. — NEWCOMB R. W. — TERMAN F E<PI> — DDC NR. — CONTRACT NR. NONR 225<24> — PROJ/TASK NR. 4751

AFOSR 3909
WESTERN ONTARIO UNIV OF LONDON CAN
THE PHOTO-OXIDATION OF PYRROLE A SIMPLE SYNTHESIS OF MALEIM
CHEM AND INDUS 1576-1577 SEP 1962
BY DE MAYO P — REID S T — DDC NR. — CONTRACT NR. AF-AFOSR-61-6 — PROJ/TASK NR. 9760-37600

AFOSR 3910
PENNSYLVANIA STATE UNIV UNIVERSITY PARK PA
REVERSIBLILITY OF RADICAL-OLEFIN REACTIONS FINAL REPORT 62
BY SKELL P S — DDC NR. — CONTRACT NR. AF 49(638)-457 — PROJ/TASK NR. 9760-37600

AFOSR 3911
CORNELL UNIV ITHACA NY
RESEARCH ON NEW SOLID STATE DEFECT STRUCTURES BASED ON WO3 AND ON V2O5 FINAL REPORT SEP 1962
BY SIENKO M J — DDC NR. — CONTRACT NR. AF 49(638)-191 — PROJ/TASK NR. 9762-37621

AFOSR 3912
INST OF ANIMAL PHYSIOLOGY BABRAHAM CAMBRIDGE ENGLAND
EFFECT OF DRUGS ON THE CATECHOLAMINE CONTENT OF NERVOUS TISSUE OCT 1962
BY VOGT M — DDC NR. — CONTRACT NR. AF 61(052)-367 — PROJ/TASK NR. 9777-37701

AFOSR 3913
CHICAGO UNIV OF ILL
CONSIDERATIONS IN THE STUDY OF THE RELATIONSHIP OF DIET TO THE EFFECTS OF RADIATION
BY — DDC NR. — CONTRACT NR. NONR 2121<23> — PROJ/TASK NR.

AFOSR 3914
COLUMBIA UNIV NY
THE EFFECT OF POLE AND ZERO LOCATIONS ON THE TRANSIENT RESPONSE OF SAMPLED-DATA SYSTEMS
APPL AND INDUS 1-8 TAR 1955 AIEE WINTER GEN MTG NY JAN 31 FEB 4 1955
BY JURY E — KRANC G<P.I.> — DDC NR. — CONTRACT NR. AF 18(600)-677 — PROJ/TASK NR. 9760-37650

AFOSR 3915
COLUMBIA UNIV NY
CORRELATION BETWEEN ROOT-LOCUS AND TRANSIENT RESPONSE OF SAMPLED-DATA CONTROL SYSTEMS
APPL AND INDUS 1-8 JAN 1956
BY JURY F — KRANC G<P.I.> — DDC NR. — CONTRACT NR. AF 18(600)-677 — PROJ/TASK NR. 9760-37650

AFOSR 3916
CALIFORNIA UNIV OF BERKELEY
ANALYSIS OF MULTIPLE SAMPLER SYSTEMS WITH FINITE PULSE WIDT
OPEN LOOP
AIEE FALL GEN MTG CHICAGO OCT 1957
BY FARRANFARMA G DDC NR.
JURY E I<P.I.> CONTRACT NR. AF 18(600)-1921
PROJ/TASK NR. 9768-37650

AFOSR 3917
CALIFORNIA UNIV OF BERKELEY
GENERAL ANALYSIS AND STABILITY STUDY OF FINITE PULSED
FEEDBACK SYSTEMS
AIEE WINTER GEN MTG NY. FEB 1958
BY FARRANFARMA G DDC NR.
JURY E L<P.I.> CONTRACT NR. AF 18(600)-1921
PROJ/TASK NR. 9768-37650

AFOSR 3918
CALIFORNIA UNIV OF BERKELEY
TIME DOMAIN SYNTHESIS OF SAMPLED-DATA CONTROL SYSTEMS
INSTR AND REGULATORS CONF. NEWARK DEL APR 1958
BY JURY E I DDC NR.
BENEKLA P W CONTRACT NR. AF 18(600)-1921
PROJ/TASK NR. 9768-37650

AFOSR 3919
CALIFORNIA UNIV OF BERKELEY
ANALYSIS OF FINITE PULSE SYSTEMS WITH A PERIODICALLY
VARYING SAMPLING RATE AND PULSE WIDTH
AIEE SUMMER GEN MTG ATLANTIC CITY, JUN 1960
BY JURY E I DDC NR.
NISHIMURA T CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 3920
CALIFORNIA UNIV OF BERKELEY
ADDITIONS TO NOTES ON THE STABILITY CRITERION FOR LINEAR
DISCRETE SYSTEMS
IRE TRANS ON AUTOMATIC CONTROL AC-6 SEP 1961
BY JURY E I DDC NR.
CONTRACT NR. AF 18(600)-1521
PROJ/TASK NR. 9768-37650

AFOSR 3921
TECHNICAL UNIV OF NORWAY TRONDHEIM
THE NATURE OF BONDS BETWEEN CARBON ATOMS HOW THEY VARY WITH
ENVIRONMENT
TETRAHEDRON 17 147-154 1962
BY BASTIANSEN O DDC NR.
TRAETTEBERG M CONTRACT NR. AF 61(052)-72
PROJ/TASK NR. 9760-37600

AFOSR 3922
TECHNICAL UNIV OF NORWAY TRONDHEIM
PRELIMINARY RESULTS OF AN ELECTRON DIFFRACTION
REINVESTIGATION OF CYCLOBUTANE AND CYCLOPENTANE
ACTA CHEM SCAND 15 711-712 1761
BY ALMENNINGEN A DDC NR.
BASTIANSEN O CONTRACT NR. AF 61(052)-72
SKANCKE P N PROJ/TASK NR. 9760-37600

AFOSR 3923
TECHNICAL UNIV OF NORWAY TRONDHEIM
MEAN AMPLITUDES OF VIBRATION OF CYCLOPROPANE FROM ELECTRON
DIFFRACTION AND SPECTROSCOPIC CALCULATIONS
ACTA CHEM SCAND 14 959-960 1960
BY ALMENNINGEN A DDC NR.
BASTIANSEN O CONTRACT NR. AF 61(052)-72
CYVIN S J PROJ/TASK NR. 9760-37600
SKANCKE P N

AFOSR 3924
TECHNICAL UNIV OF NORWAY TRONDHEIM
ELECTRON SCATTERING FROM IODINE VAPOR
J CHEM PHYS 32 616-617 FEB 1960
BY ALMENNINGEN A DDC NR.
BASTIANSEN O CONTRACT NR. AF 61(052)-72
FERNHOLT L PROJ/TASK NR. 9760-37600
TRAETTEBERG M

AFOSR 3925
SYRACUSE U. NY
THE PION SPECTRUM IN RADIATIVE HYPERON DECAY
NUOVO CIM SER X 22 904-913 DEC 1961
BY IWAO S DDC NR.
LEITNER J CONTRACT NR. AF 49(638)-801
BARUT A O<P.I.> PROJ/TASK NR. 9751-37512

AFOSR 3926
FREE UNIV OF WEST BERLIN GERM
SPHERICALLY SYMMETRIC MODELS IN RELATIVISTIC AND
NEWTONIAN COSMOLOGY
ZEIT FUR ASTROPHYS 55,0127-136,0 1962
BY JUST K. DDC NR.
KRAUS K. CONTRACT NR. AF 61(052)-335
PROJ/TASK NR. 9776-37663

AFOSR 3927
SOUTH CAROLINA UNIV OF COLUMBIA
MILLIMETER WAVES AND THEIR APPLICATIONS
ELEC ENGIN ,0U4,0 OCT 1956
BY FELLERS R. G. DDC NR.
CONTRACT NR. AF 18(603)-43
PROJ/TASK NR. 9768-37650

AFOSR 3928
SOUTH CAROLINA UNIV OF COLUMBIA
MILLIMETER WAVE TRANSMISSION BY NON-WAVEGUIDE MEANS
MICROWAVE J ,080-86,0 MAY 1962
BY FELLERS R. G. DDC NR.
CONTRACT NR. AF 18(603)-43
PROJ/TASK NR. 9768-37650

AFOSR 3929
OXFORD UNIV ENGLAND
DEPENDANCE OF POWER RADIATED ON BEAM CURRENT IN A
MAGNETIC UNDULATOR
J APPL PHYS 33,0970-981,0 MAR 1962
BY MOTZ H. DDC NR.
WALSH D. CONTRACT NR. AF EOAR 62-62
PROJ/TASK NR. 9768-01

AFOSR 3930
DUKE UNIV DURHAM N C
SUGGESTED ORIGIN OF THE ANOMALOUS LINE-REVERSAL
TEMPERATURES IN THE REACTION ZONE OF HYDROCARBON FLAMES
COMBUSTION AND FLAME 5,0331-340,0 DEC 1961
BY BULEWICZ E. M. DDC NR.
PADLEY P. J. CONTRACT NR. AF 49(638)-768
GORDY W<PI> PROJ/TASK NR. 9768-01

AFOSR 3931
DUKE UNIV DURHAM N C
MILLIMETER WAVE MOLECULAR BEAM SPECTROSCOPY,0ALKALI
BROMIDES AND IODIDES
PHYS REV 127,0817- 830,0 AUG 1962
BY RUSK J. R. DDC NR.
GORDY W. CONTRACT NR. AF 49(638)-769
PROJ/TASK NR. 9768-01

AFOSR 3932
DUKE UNIV DURHAM N C
ENERGY MIGRATION AND TRANSFER IN SOLID ARGON AND
KRYPTON AT LOW TEMPERATURES
PHYS REV LTRS 9,0998-100,0 AUG 1962
BY BOULDIN W. V. DDC NR.
PATTEN R. A. CONTRACT NR. AF 49(638)-769
GORDY W<PI> PROJ/TASK NR. 9768-01

AFOSR 3933
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE OF AN IRRADIATED SINGLE
CRYSTAL OF N-CARBAMYL GLYCINE
J CHEM PHYS 37,0982-984,0 JUL 1962
BY NARASIMHA RAO D. V. GDDC NR.
KATAYAMA M. GCONTRACT NR. AF 49(638)-769
GORDY W<PI> GPROJ/TASK NR. 9768-01

AFOSR 3934
DUKE UNIV DURHAM N C
ELECTRON SPIN RESONANCE OF A-IRRADIATED SINGLE CRYSTAL OF
N-ACETYL METHIONINE
J CHEM PHYS 37,0919-17,0 JUL 1962
BY CIPOLLINI F DDC NR.
GORDY W. CONTRACT NR. AF 49(638)-769
PROJ/TASK NR. 9768-01

AFOSR 3935
CALIFORNIA UNIV OF BERKELEY
THE THERMODYNAMICS OF SOLID IRON AT ELEVATED TEMPERATURES
TRANS METAL SOC AIME 224 842-849 AUG 1962
BY ANDERSON P D DDC NR.
MULTGREN R CONTRACT NR. AF 49(638)-83
PROJ/TASK NR. 9760-37601

AFOSR 3936
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ON THE STABILITY OF ALAMINAR INCOMPRESSIBLE BOUNDARY
LAYER OVER A FLEXIBLE SURFACE
J FLUID MECH 13,0609-632,0 1962
BY LANDAHL M. T. DDC NR.
ASHLEY H<PI> CONTRACT NR. AF 49(638)-933
PROJ/TASK NR. 9781-37712

AFOSR 3937
OHIO STATE UNIV COLUMBUS
SUPPLEMENTARY REPORT A NONVERBAL MEASURE OF EXTINCTION IN
SKILL AND CHANCE SITUATIONS
BY HOLDEN K B DDC NR.
ROTTER J B CONTRACT NR. AF 49(638)-741
PROJ/TASK NR. 9778-37708

AFOSR 3938
MASSACHUSETTS MENTAL HEALTH CENTER BOSTON
ADAPTATION AND TRAINING EFFECTS IN ERG I LONG-TERM
ADAPTATION
ATTI D-FOND GIORGIO RONCHI 17 381-386 JUL-AUG 1962
BY FREEDMAN S J DDC NR.
RONCHI L CONTRACT NR. AF AFOSR-62-61
PROJ/TASK NR. 9778-04

AFOSR 3939
MARYLAND UNIV OF COLLEGE PARK
ON THE EQUIVALENCE OF THE BRYSK APPROXIMATION AND THE
DETERMINANTAL METHOD OCT 1962
BY FALK D S DDC NR.
FERRELL R A<P .I.> CONTRACT NR. AF AFOSR 62-46
MYERS R <P.I.> PROJ/TASK NR. 9769-02

AFOSR 3940
POLYTECHNIC INST OF BROOKLYN N Y
THEORETICAL AND EXPERIMENTAL INVESTIGATION OF SUPERSONIC
COMBUSTION AUG 1962
BY FERRI A. DDC NR.
LOBY P. A. CONTRACT NR. AF 49(638)-445
ZAKKAY V. PROJ/TASK NR. 9781-37712

AFOSR 3941
POLYTECHNIC INST OF BROOKLYN N Y
SOME RESULTS ON BUCKLING AND POSTBUCKLING OF
CYLINDRICAL SHELLS JUL 1962
BY KEMPNER J. DDC NR.
CONTRACT NR. AF AFOSR 62-200
PROJ/TASK NR. 9782-01

AFOSR 3942
DR M A BIOT, NEW YORK, N Y
SEP 1962 GENERALIZED THEORY OF INTERNAL GRAVITY WAVES
BY BIOT M. A. DDC NR.
CONTRACT NR. AF 49(638)-837
PROJ/TASK NR. 9782-37717

AFOSR 3943
ST JOHN-S UNIV JAMAICA N Y
CALCULATION OF CROSS-SECTION IN ELECTRON
COLLISION FINAL REPORT
BY MILFORD S. N. DDC NR.
CONTRACT NR. AF 49(638)-582
CONTRACT NR. AF AFOSR 61-10
CONTRACT NR. AF AFOSR 61-20
PROJ/TASK NR. 9760-37650

AFOSR 3944
FREE UNIV OF BRUSSELS BELGIUM
CORRELATIONS IN A NON-ISOTHERMAL PLASMA
BY PRIGOGINE I. DDC NR. 290053
PH DE GOTTAL CONTRACT NR. AF EOAR-62-16
PROJ/TASK NR. 9751-02

AFOSR 3945
FREE UNIV OF BRUSSELS BELGIUM
APPROACH TO EQUILIBRIUM OF A MANY-PARTICLE SYSTEM
BY FUJITA S. DDC NR.
PRIGOGINE I(PI) CONTRACT NR. AF EOAR 62-16
PROJ/TASK NR. 9751-02

AFOSR 3946
MINNESOTA UNIV OF MINNEAPOLIS
THE STABILITY CONSTANT OF THE H2SO4 HSO4--ION AND ITS
MOBILITY IN ACETONITRILE
J PHYS CHEM 66 1675-1678 SEP 1962
BY KOLTHOFF I M DDC NR.
CONTRACT NR. AF 49(638)-919
PROJ/TASK NR. 9763-37630

AFOSR 3948
INDIANA UNIV BLOOMINGTON
SINGLE-CENTER WAVE FUNCTION FOR THE DYDROGEN MOLECULE
J CHEM PHYS 30 1314-1322 MAY 1959
BY MAGSTROM S DDC NR.
SHULL H CONTRACT NR. AF 49(638)-318
PROJ/TASK NR. 9760-37600

AFOSR 3955
STANFORD UNIV CALIF
ELECTROMAGNETIC RADIATIVE CORRECTIONS AND THE
ELEMENTARY NATURE OF THE PHOTON
PHYS REV. LTRS. 9.0295-298.0 SEP 1962
BY LEVY M. DDC NR.
SCHIFF L I(PI) CONTRACT NR. AF 49(638)388
PROJ/TASK NR. 9750-01

AFOSR 3956
STANFORD UNIV CALIF
TRIDENT PRODUCTION CROSS SECTION AND QUANTUM
ELECTRODYNAMICS AT SMALL DISTANCES
PHYS REV 127.01844-1846.0 SEP 1962
BY MAO-CHAO CHEN DDC NR.
SCHIFF L I(PI) CONTRACT NR. AF 49(638)388
PROJ/TASK NR. 9750-01

AFOSR 3957
FLORIDA STATE UNIV TALLAHASSEE
ON THE POSSIBILITY OF RESONANT TRANSFER
PROCESSES IN NUCLEAR REACTIONS
PHYS LTRS 1.01012.0 APR 1962
BY TEMMER G. M. DDC NR.
CONTRACT NR. AF 49(638)-427
PROJ/TASK NR. 9750-37500

AFOSR 3960
BRANDEIS UNIV WALTHAM MASS
DYANICAL STRUCTUR AND DEFINITION OF ENERGY IN GENERAL
RELATIVITY
FULLER VERSION IN PHYS. REV. 116.01322-1330.0 DEC 1959
LES THEORIES RELATIVISTES DE LA GRAVITATION(INTERNAT-L
COLLOQ. OF NAT-L CENTER OF SCIENTIFIC RESEARCH ROYAUMONT,
JUNE 21-27, 1959).0 389-407.0 1962
BY DESER S. DDC NR.
CONTRACT NR. AF 49(638)-636
PROJ/TASK NR. 9750-37500

AFOSR 3961
MCMASTER UNIV., ONTARIO CAN
SOME ATOMIC MASSES AND NEUTRON SEPARATION ENERGIES FOR
ISOTOPES OF TIN AND ANTIMONY
CAN J PHYS 40.01496-1497.0 1962
BY BARBER R. C. DDC NR.
BISHOP R. L. CONTRACT NR. AF AFOSR 62-39
CAMREY L. A. PROJ/TASK NR. 9750-01
MCLATCHIE W.
DUCKWORTH H. E.

AFOSR 3962
RENSSELAER POLYTECHNIC INST TROY NY
HEAT AND ENTROPY OF FUSION OF MERCURIC BROMIDE
J PHYS CHEM 65 1975-1976 1949
BY JANZ G DDC NR.
GOODKIN J CONTRACT NR. AF 49(638)-50
PROJ/TASK NR. 976-37600

AFOSR 3963
RENSSELAER POLYTECHNIC INST TROY NY
HEAT AND ENTROPY OF FUSION AND CRYOSCOPIC CONSTANT OF
SILVER NITRATE
BY JANZ G J DDC NR.
JAMES D CONTRACT NR. AF 49(638)-50
GOODKIN J PROJ/TASK NR. 9760-37600

AFOSR 3964
SYRACUSE UNIV N Y
THEORETICAL STUDIES OF IRREVERSIBLE AND
RELATIVISTIC SYSTEMS AUG 1962 FINAL REPORT
BY BERGMANN P. G. DDC NR. 290626
CONTRACT NR. AF 49(638)-461
PROJ/TASK NR. 9751-37512

AFOSR 3965
MASS. INST OF TECHNOLOGY CAMBRIDGE
TRIGONOMETRIC POLYNOMIALS AND DIFFERENCE METHODS OF
MAXIMUM ACCURACY
J MATH & PHYS 41.0147-154.0 JUN 1962
BY STRANG G. DDC NR.
MARTIN W T(PI) CONTRACT NR. AF 49(638)-42

AFOSR 3966
MASS. IST. OF TECHNOLOGY CAMBRIDGE
MAXIMUM MODULUS ALGEBRAS AND LOCAL APPROXIMATION IN CN
BY HURD A. E. DDC NR.
MARTIN W T(PI) CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37658

AFOSR 3967
NEW YORK UNIV N Y
A STABILITY CRITERION FOR HILL-S EQUATION
PROC AMER MATH SOC 13.0601-603.0 AUG 1962
BY HOCHSTADT H. DDC NR.
KLINE M. CONTRACT NR. AF 49(638)-229
PROJ/TASK NR. 9769-37658

AFOSR 3968
HARVARD UNIV CAMBRIDGE MASS
A NOTE ON THE KO-THEORY OF SPHERE-BUNDLES 1962
BULL AMER MATH SOC 68.0395-400.0 JUL 1962
BY BOTT R. DDC NR.
CONTRACT NR. AF 49(638)-1035
PROJ/TASK NR. 9783-03

AFOSR 3969
HARVARD UNIV CAMBRIDGE MASS
LECTURES ON K(X) 1962
BY BOTT R. DDC NR.
CONTRACT NR. AF 49(638)-1035
PROJ/TASK NR. 9783-03

AFOSR 3970
INST FOR ADVANCED STUDIES PRINCETON NJ
THE DIMENSION OF SPACES OF AUTOMORPHIC FORMS 1962
BY LANGLANDS R P DDC NR.
BEWRLING A(P.I.) CONTRACT NR. AF AFOSR 62-124
PROJ/TASK NR. 9769-37659

AFOSR 3971
CHICAGO UNIV OF, ILL
SOME IMMERSIONS OF PROJECTIVE SPACE IN EUCLIDEAN SPACE 1962
BY GINSBURG M. DDC NR.
MACLANE S. <P.I.> CONTRACT NR. AF AFOSR-62-170
PROJ/TASK NR. 9769-37658

AFOSR 3972
TEXAS UNIV OF AUSTIN
AN ELECTRON MICROSCOPE STUDY OF CARBON FORMATION IN THE
PYROLYSIS OF HYDROCARBONS
PROC. 5TH CONF. ON CARBON PERGAMON PRESS 1962 PP.395-405
BY JOHNSON G. L. DDC NR.
ANDERSON R. C< CONTRACT NR. AF 49(638)-560
MATSEN F A(PI) PROJ/TASK NR. 4759-02

AFOSR 3973
REPUBLIC AVIATION CORP. FARMINGDALE, NY
SPECTROSCOPIC STUDIES OF IMPLODING PLASMA RINGS IN DETONABL
GAS MIXTURES JUL 1962
BY FOREMAN, K. M. DDC NR. 288098
LEVY, M. E. CONTRACT NR. AF 49(638)-552
KUNEN, A. E. <P.I.> PROJ/TASK NR. 9752-37521

AFOSR 3974
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
ADAPTIVE DECISION PROCESSES SEP 1962
BY ROSENFELD J L DDC NR. 287460
WIESNER J B<P .I.> CONTRACT NR. DA 36-039-SC-78108
PROJ/TASK NR. 4751

AFOSR 3975
MASSACHUSETTS INST. OF TECH. CAMBRIDGE
CONSTRUCTIVE VERSIONS OF ORDINAL NUMBER CLASSES
BY KREIDER, D. L. DDC NR. 290682
ROGERS, JR. HARTLEY CONTRACT NR. AF 49(638)-76
ANKENY, N. C. <P.I.> PROJ/TASK NR. 9783-37727

AFOSR 3976
PRINCETON UNIV NJ
SOME RESULTS FOR PLANE POISEUILLE FLOW OF RAREFIED GASES,
AUG 1962
BY PAO, Y. P. DDC NR. 290695
BOGDONOFF, S<P.I.> CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-01

AFOSR 3977
PRINCETON UNIV, NJ
TURBULENT DECAY IN AIR, ARGON AND HELIUM, AUG 1961
BY WEBB, W. H. DDC NR.
BOGDONOFF, S<P.I.> CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-01

AFOSR 3978
PRINCETON UNIV, NJ
HEAT TRANSFER IN A RAREFIED GAS BETWEEN PARALLEL PLATES AT
LARGE TEMPERATURE RATIO
BY WILLIS, D. R. DDC NR.
BOGDONOFF, S<P.I.> CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-01

AFOSR 3979
POLYTECHNIC INST. OF BROOKLYN NY
LINEARIZED DIFFUSION IN A RELAXING CONVECTING GAS WITH
PRANDTL AND LEWIS NUMBER EFFECTS SEP 1962
BY SPORTA, P. M. DDC NR. 287460
FERRI, A.<P.I.> CONTRACT NR. AF 49(638)-465
PROJ/TASK NR. 9781-37712

AFOSR 3981
CALIFORNIA UNIV OF, LOS ANGELES
ASTROMECHANICS, SEP 1959
BY HERRICK S. DDC NR.
CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-02

AFOSR 3982
CALIFORNIA UNIV OF, LOS ANGELES
DIFFERENTIAL REPRESENTATIONS, CORRECTIONS, AND ERROR ANALYSE
ASTRODYNAMICS 1959 CHAP 14
BY HERRICK S. DDC NR.
CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-02

AFOSR 3983
CALIFORNIA UNIV OF, LOS ANGELES
THE CONIC SECTIONS
ASTRODYNAMICS 1960 CHAPT 9
BY HERRICK S. DDC NR.
CONTRACT NR. AF 49(638)-498
PROJ/TASK NR. 9783-02

AFOSR 3984
CALIFORNIA UNIV OF BERKELEY
TRANSITION FLOW, AUG 1962
BY SHERMAN F. S. DDC NR. 284480
TALBOT L. <P.I.> CONTRACT NR. AF 49(638)-502
PROJ/TASK NR. 9781-37712

AFOSR 3985
MINNESOTA UNIV OF, MINNEAPOLIS
TRANSPIRATION COOLING IN A MAGNETOHYDRODYNAMIC STAGNATION POINT FLOW
APPL SCI RES 11 125-147 1961
BY SPARROW, E. M. DDC NR.
ECKERT, E. R. G. CONTRACT NR. AF 49(638)-558
MIKROWYCZ, W. J. PROJ/TASK NR. 9781-37712

AFOSR 3986
MARYLAND UNIV OF COLLEGE PARK
ON A MIXED BOUNDARY PROBLEM FOR AN ELLIPTIC SYSTEM OF EQUATIONS, 1961
BY KIM, J. S. DDC NR.
DOUGLIS, A.<P .I.> CONTRACT NR. AF 49(638)-590
PROJ/TASK NR. 9783-37727

AFOSR 3987
SOUTHERN CALIFORNIA, UNIV OF LOS ANGELES
A RADIO WAVE IN A PLASMA IN A UNIFORM MAGNETIC FIELD
SUB. 5TH INTNAT-L CONF. ON IONIZATION PHENOMENA IN GASES, AUG 28-SEP 1, 1961
BY KOGA, T. DDC NR.
CHUAN, P L<P.I.> CONTRACT NR. AF 49(638)-831
PROJ/TASK NR. 9783-37725

AFOSR 3988
SOUTHERN CALIFORNIA, UNIV OF LOS ANGELES
INTERACTION BETWEEN A RADIO WAVE AND A PLASMA
SUB. PHYS. FLUIDS
BY KOGA, T. DDC NR.
CHUAN, R L<P.I.> CONTRACT NR. AF 49(638)831
PROJ/TASK NR. 9781-37725

AFOSR 3989
GENERAL ELECTRIC CO, SCHENECTADY N Y
ON THE ATOMIZATION AND ENTRAINMENT OF LIQUID FILMS IN SHEAR FLOW, SEP 1962
BY ZUBER N. DDC NR.
CONTRACT NR. AF 49(638)-1159
PROJ/TASK NR. 9781-01

AFOSR 3990
GENERAL ELECTRIC CO, SCHENECTADY N Y
STEADY STATE AND TRANSIENT VOID FRACTION OF BUBBLING SYSTEMS AND THEIR OPERATING LIMITS, PT 1 STEADY STATE OPERATIONS
JUL 1962
SUB. NUC. SCI. & ENG.
BY ZUBER N. DDC NR.
HENCH J. CONTRACT NR. AF 49(638)1159
PROJ/TASK NR. 9781-01

AFOSR 3991
SYDNEY UNIV OF AUSTRALIA
THE FLOW ABOUT A MOVING BODY IN THE UPPER IONOSPHERE
J AEROSP SCI 29 808-814 JUL 1962
BY BIRD, G. A. DDC NR.
CONTRACT NR. AF AFOSR 61-93
PROJ/TASK NR. 9781-37712

AFOSR 3992
NORTHWESTERN UNIV EVANSTON ILL
THE EFFECT OF ELECTROPOLISHING ON THE RETENTION OF VACANCIES DURING QUENCHING IN A1 AND A1 ALLOYS
PHIL MAG 5 101-103 JAN 1960
BY FREISE F J DDC NR.
FINE M E CONTRACT NR. AF 49(638)-524
KELLY A PROJ/TASK NR. 9760-37601

AFOSR 3993
NORTHWESTERN UNIV EVANSTON ILL
PRECIPITATE HARDENING IN AN ALUMINIUM COPPER ALLOY
PHIL MAG 6 1119-1145 SEP 1961
BY BYRNE J G DDC NR.
FINE M E CONTRACT NR. AF 49(638)-524
KELLY A PROJ/TASK NR. 9760--7601

AFOSR 3994
CARNEGIE INST OF TECHNOLOGY PITTSBURG PA
MECHANISM OF EVAPORATION OF METAL CRYSTALS FINAL REPORT SEPT 1962 I DISLOCATION CONFIGURATIONS IN DEFORMED SILVER CRYSTALS BY H J LEVINSTEIN, W H ROBINSON II TECHNIQUES FOR THE DIRECT OBSERVATION OF DISLOCATIONS IN SILVER CRYSTALS BY III THERMAL ETCH PITS AT DISLOCATIONS IN LITHIUM FLUORIDE BY T EJIMA, J P HIRTH, W H ROBINSON PRS SYMP ON THE RELATION BETWEEN STRUCTURE AND STRENGTH IN METALS & ALLOYS, NAT PHYS LAB, TEDDINGTON, MIDDLESEX, ENG, JAN 1963 1-26
BY ROBINSON W H DDC NR. 290305
HIRTH J P<P.I.> CONTRACT NR. AF 49(638)-551
PROJ/TASK NR. 9761-37611

AFOSR 3995
ILLINOIS UNIV OF URBANA
ELECTRON MOBILITY AND SCATTERING IN POLAR CRYSTALS
PROC. INT CONF ON SEMICONDUCTOR PHYS PRAGUE 1960 675-677
BY BROWN F C DDC NR.
CONTRACT NR. AF 49(638)-579
PROJ/TASK NR. 9760-37601

AFOSR 3996
ILLINOIS UNIV OF URBANA
ELECTRONIC PROCESSES IN THE SILVER HALIDES AT LOW TEMPERATURE
J PHYS CHEM SOLIDS 8 300-302 1959
BY BROWN F C DDC NR.
KOBAYASHI K CONTRACT NR. AF 49(638)-579
PROJ/TASK NR. 9760-37601

AFOSR 3997
ILLINOIS UNIV OF URBANA
PHOTOELECTRIC HALL EFFECT IN KCl AT TEMPERATURES
PHYS REV 121 1303-1305 MAR 1961
BY BROWN F C DDC NR.
INCHAUSPE N CONTRACT NR. AF 49(638)-579
PROJ/TASK NR. 9760-37601

AFOSR 3998
ILLINOIS UNIV OF URBANA
RESEARCH ON THE THO
RESEARCH ON THE THEORY OF SUPERCONDUCTIVITY AND RELATED THEORETICAL PROBLEMS OF THE SOLID STATE FINAL REPORT OCT 62
BY SCHRIEFFER J R DDC NR. 290673
CONTRACT NR. AF 49(638)-882
PROJ/TASK NR. 9763-37631

AFOSR 3999
BATTELLE MEMORIAL INST COLUMBUS O
TEMPERATURE FLUCTUATIONS DURING GROWTH AND IMPURITY SEGREGATION IN INSB CRYSTALS
J APPL PHYS 33 2912-2913 SEP 1962
BY ALBON N DDC NR.
KAMN D <P.I.> CONTRACT NR. AF 49(638)-959
PROJ/TASK NR. 9762-37621

AFOSR 4000
WESTINGHOUSE RSCH LABORATORIES PITTSBURGH PA
A DEVICE FOR ACCURATE REPOSITIONING OF AN X-RAY DIFFRACTION GONIOMETER
BY BOLLING G F DDC NR. 290685
TILLER W A<P.I.> CONTRACT NR. AF 49(638)-1029
PROJ/TASK NR. 9762-37621

AFOSR 4001
CALIFORNIA INST OF TECHNOLOGY PASADENA
THE INFLUENCE OF TEMPERATURE AND PREFERRED ORIENTATION ON HALL COEFFICIENT AND RESISTIVITY OF PURE TITANIUM NOV 1962
BY ROFSCH L C DDC NR. 289535
DUWEZ P<P.I.> CONTRACT NR. AF 49(638)-1034
PROJ/TASK NR. 9760-37601

AFOSR 4002
ILLINOIS UNIV OF URBANA
MARTENSITE IN ZONE-REFINED IRON
ACTA METAL 10 992-993 1962
BY WAYMAN C M DDC NR.
ALTSTETTER C J CONTRACT NR. AF 49(638)-420
READ T A<P .I.> PROJ/TASK NR. 9760-02

AFOSR 4003
PENNSYLVANIA UNIV OF PHILADELPHIA
AN APPARATUS FOR OBTAINING X-RAY EXTINCTION MICROGRAPHS OF SINGLE CRYSTALS MAY 1962
BY MACCRONE R K DDC NR. 290694
KULLMANN-WILSDORF, D CONTRACT NR. AF 49(638)-435
MADDIN, R PROJ/TASK NR. 9760-02

AFOSR 4004
PENNSYLVANIA UNIV OF PHILADELPHIA
A NEW THEORY OF LINEAR WORKHARDENING
ZEIT METALLKUNDE 53 324-329 1962
BY KUHLMANN-WILSDORF D DDC NR.
MADDIN, R CONTRACT NR. AF 49(638)-435
PROJ/TASK NR. 9760-02

AFOSR 4005
PENNSYLVANIA UNIV OF PHILADELPHIA
A NEW THEORY OF WORK HARDENING IN CRYSTALS
BY KUHLMANN-WILSDORF D DDC NR. 290692
MADDIN, R CONTRACT NR. AF 49(638)-435
PROJ/TASK NR. 9760-37601

AFOSR 4006
PENNSYLVANIA UNIV OF PHILADELPHIA
SOME THEORETICAL CONSIDERATIONS ON THE GEOMETRY OF LOW-ANGLE DISLOCATION BOUNDARIES
J APPL PHYS 33 648-654 FEB 1962
BY KUHLMANN-WILSDORF D DDC NR.
MADDIN R<P.I.> CONTRACT NR. AF 49(638)-435
PROJ/TASK NR. 9760-37601

AFOSR 4007
CORNELL UNIV ITHACA NY
EFFECT OF CRYSTALLINE IMPERFECTIONS UPON THE ELECTRICAL PROPERTIES OF SEMICONDUCTING INTERMETALLIC COMPOUNDS FINAL REPORT OCT 1962
BY SPENCER C W DDC NR. 289058
CONTRACT NR. AF 49(638)-480
PROJ/TASK NR. 9760-37601

AFOSR 4009
CALIFORNIA UNIV OF BERKELEY
THE THERMODYNAMICS OF SOLID IRON AT ELEVATED TEMPERATURES
TRANS METAL SOC A I M E 224 842-845 AUG 1962
BY ANDERSON P D DDC NR.
MULTGREN R CONTRACT NR. AF 49(638)-83
PROJ/TASK NR. 9760-37601

AFOSR 4010
CORNELL UNIV ITHACA NY
THALLIUM-TUNGSTEN BRONZE A SOLID STATE DEFECT STRUCTURE
JACS 81 5556-5559 NOV 1959
BY SIENKO M J — DDC NR. — CONTRACT NR. AF 49(638)-191 — PROJ/TASK NR. 9762-37621

AFOSR 4011
OHIO STATE UNIV COLUMBUS
COBALT METAL AS A LOW-TEMPERATURE HEAT RESERVOIR
REV SCI INSTR 29 440 MAY 1958
BY HEER C V; ERICKSON R A — DDC NR. — CONTRACT NR. AF 49(638)-294 — PROJ/TASK NR. 9760-37601

AFOSR 4012
ILLINOIS INST OF TECHNOLOGY CHICAGO
DIRECTIONAL PROPERTIES OF A MODIFIED 5% CR TOOL STEEL AUSFORMED BY TORSION
TRANS QUART 55 420-428 SEP 1962
BY TOTH R G; POLAKOWSKI N H — DDC NR. — CONTRACT NR. AF 49(638)-308 — PROJ/TASK NR. 9760-37601

AFOSR 4013
STANFORD RSCH INST MENLO PARK
LUMINESCENCE OF SOLIDS EXCITED BY SURFACE RECOMBINATION OF ATOMS. I. LUMINESCENCE SPECTRA
J CHEM PHYS 37 854-860 AUG 1962
BY SANCIER K M; FREDERICKS W J; WISE H — DDC NR. — CONTRACT NR. AF 49(638)-333 — PROJ/TASK NR. 9760-37601

AFOSR 4014
STANFORD RSCH INST CALIF
LUMINESCENCE OF SOLIDS EXCITED BY SURFACE RECOMBINATION OF ATOMS. II. RECOMBINATION COEFFICIENTS
J CHEM PHYS 37 860-864 AUG 1962
BY SANCIER K M; FREDERICKS W J; HATCHETT J L; WISE H — DDC NR. — CONTRACT NR. AF 49(638)-353 — PROJ/TASK NR. 9760-37601

AFOSR 4015
STANFORD RSCH INST CALIF
LUMINESCENCE OF SOLIDS EXCITED BY SURFACE RECOMBINATION OF ATOMS. III . MEASUREMENT OF ABSOLUTE ENERGIES RELEASED AS LUMINESCENCE AND HEAT
J CHEM PHYS 37 865-867 AUG 1962
BY SANCIER K M; FREDERICKS W J; WISE H — DDC NR. — CONTRACT NR. AF 49(638)-353 — PROJ/TASK NR. 9760-37601

AFOSR 4016
OHIO STATE UNIV COLUMBUS
THE CONDUCTANCE AND DIELECTRIC CONSTANTS OF SILVER IODIDE, SILVER IODOMERCURATE AND CUPROUS IODOMERCURATE AUG 1962
BY SPLITSTONE P; HARRIS P M — DDC NR. 289557 — CONTRACT NR. AF 49(638)-397 — PROJ/TASK NR. 9760-37601

AFOSR 4017
OHIO STATE UNIV COLUMBUS
DESIGN OF AUTOMATED SINGLE CRYSTAL DIFFRACTOMETER FOR NEUTRON DIFFRACTION AUG 1962
BY HARRIS P M — DDC NR. 286782 — CONTRACT NR. AF 49(638)-397 — PROJ/TASK NR. 9760-37601

AFOSR 4018
CORNELL UNIV ITHACA NY
ANOMALOUS DISPERSION AND SCATTERING OF X-RAYS
PHYS REV 94 1593-1600 JUN 1954
BY PARRATT L G; HEMPSTEAD, C. F. — DDC NR. — CONTRACT NR. AF 18(600)-300 — PROJ/TASK NR. 7772-1975

AFOSR 4019
CORNELL UNIV ITHACA NY
THE NONUNIFORM DENSITY OF THIN FILMS OF COPPER FORMED BY EVAPORATION BY MEANS OF TOTAL X-RAY REFLECTION
BY PARRATT L G — DDC NR. — CONTRACT NR. AF 18(600)-300 — PROJ/TASK NR. 7772-19751

AFOSR 4020
CORNELL UNIV ITHACA NY
THICKNESS EFFECT IN ABSORPTION SPECTRA NEAR ABSORPTION EDGE
PHYS REV 105 1228-1232 FEB 1957
BY PARRATT L G; HEMPSTEAD C F; JOSSEM E L — DDC NR. — CONTRACT NR. AF 18(600)-300 — PROJ/TASK NR. 7772-19751

AFOSR 4021
CORNELL UNIV ITHACA NY
USE OF SYNCHROTRON ORBIT-RADIATION IN X-RAY PHYSICS
REV SCI INSTR 30 297-299 APR 1959
BY PARRATT L G — DDC NR. — CONTRACT NR. AF 18(600)-300 — PROJ/TASK NR. 7772-19751

AFOSR 4022
CORNELL UNIV ITHACA N Y
X-RAY SPECTROSCOPY OF THE SOLID STATE POTASSIUM CHLORIDE
PHYS REV 97 916-926 FEB 1955
BY PARRATT L G; JOSSEM E L — DDC NR. — CONTRACT NR. AF 18(600)-300 — PROJ/TASK NR. 7772-19751

AFOSR 4023
CORNELL UNIV ITHACA N Y
X-RAY SPECTROSCOPY OF VALENCE AND CONDUCTION BANS OF POTASSIUM CHLORIDE
PHYSICA 20 1-4 1954
BY PARRATT L G; JOSSEM E L — DDC NR. — CONTRACT NR. AF 18(600)-300 — PROJ/TASK NR. 7772-19751

AFOSR 4024
NORTHWESTERN UNIV EVANSTON ILLINOIS
AN ACOUSTICAL STUDY OF LOW TEMPERATURE AGING IN Al-4.2 PCT CU
TRANS METAL SOC A I M E 553-557 AUG 1958
BY FINE M E; CHIOU C — DDC NR. — CONTRACT NR. AF 18(600)-1468 — PROJ/TASK NR. 9760-37601

AFOSR 4025
NORTHWESTERN UNIV EVANSTON ILL
ELECTRICAL RESISTIVITY CHANGE FROM FORMATION OF ZONES IN ALUMINUM ALLOYS
ACTA METAL 7 228-229 1959
BY FINE M E — DDC NR. — CONTRACT NR. AF 18(600)-1468 — PROJ/TASK NR. 9760-37601

AFOSR 4026
NORTHWESTERN UNIV EVANSTON ILL
TEMPERATURE DEPENDANCE OF THE STRENGTH OF ZONE HARDENED ALUMINIUM-SILVER ALLOYS
PHIL MAG 4 1375-1377 DEC 1959
BY FINE M E — DDC NR. — CONTRACT NR. AF 18(600)-1468 — PROJ/TASK NR. 9760-37601

AFOSR 4027
NORTHWESTERN UNIV EVANSTON ILL
X-RAY SMALL ANGLE SCATTERING FROM GUINIER-PRESTON ZONES IN DEFORMED ALUMINIUM-SILVER SINGLE CRYSTAL
ACTA METAL 9 59-61 1961
BY SATO S; KELLY A; FINE M E <P.I.> — DDC NR. — CONTRACT NR. AF 18(600)-1468 — PROJ/TASK NR. 9760-37601

AFOSR 4028
JOHNS HOPKINS UNIV BALTIMORE MD
CINEMICROGRAPHIC RECORDING OF MULTIPLE BEAM INTEROFEROMETRI FRINGES DURING PLASTIC DEFORMATION OF SNGLE CRYSTALS
BY POND R B; HARRISON E — DDC NR. — CONTRACT NR. AF 18(600)-1587 — PROJ/TASK NR. 9761-37611

AFOSR 4029
CHICAGO UNIV OF, ILL
QUANTUM MECHANICAL CALCULATIONS ON ATOMS AND MOLECULES
FINAL REPROT
BY ROOTHAAN, C. J. — DDC NR. 290666 — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4030
CHICAGO UNIV OF ILL
ONE-CENTER EXPANSION SELF-CONSISTENT FIELD MOLECULAR ORBIT ELECTRONI EAVE FUNCTIONS FOR XHN MOLECULES
J CHEM PHYS 37 910-911 AUG 1962
BY MOCCIA, R. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4031
CHICAGO UNIV OF ILLINOIS
REPULSIVE INTERACTION BETWEEN TWO GROUND-STATE HELIUM ATOMS
PHYS REV 125 1981-1992 MAR 1962
BY PHILLIPSON, P. E. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4032
CHICAGO UNIV OF, ILL
STUDIES IN MOLECULAR STRUCTURE. VII. LIMITED CONFIGURATION INTERACTION FOR SELECTED FIRST-ROW DIATOMICS
J CHEM PHYS 36 1127-1142 MAR 1962
BY FRAGA S. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4033
CHICAGO UNIV OF, ILL
STUDIES IN MOLECULAR STRUCTURE. VIII. HE2&6 IN THE SINLE-AN MANY-CONFIGURATION LCAO MO SCF APPROXIMATION
J CHEM PHYS 37 1112-1119 SEP 1962
BY FRAGA, S. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4034
CHICAGO UNIV OF, ILLINOIS
SCF-LCAO-MO WAVE FUNCTION FOR THE 1 G6 GROUND STATE OF C3
J CHEM PHYS 36 45-47 JAN 1962
BY CLEMENTI, E. — DDC NR. — CONTRACT NR. AF 49 (638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4035
CHICAGO UNIV OF ILL
SCF-LCAO-MO WAVE FUNCTIONS FOR THE BIFLUORIDE ION
J CHEM PHYS 36 745-749 FEB 1962
BY CLEMENTI, E. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4036
CHICAGO, UNIV OF, ILL
GROUND STATE SCF-LCAO-MO WAVE FUNCTION FOR THE CARBOMYL SULFIDE MOLECULE
J CHEM PHYS 36 750-752 FEB 1962
BY CLEMENTI, E. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4037
CHICAGO, UNIV OF, ILL
A COMPUTATION ON THE GROUND STATE WAVE FUNCTION FOR THE C2 N2 MOLECULE
J CHEM PHYS 36 563-564 JAN 1962
BY CLEMENTI, E. — DDC NR. — CONTRACT NR. AF 49(638)-1068 — PROJ/TASK NR. 9751-02

AFOSR 4038
CHICAGO, UNIV OF ILL
SCF-MO WAVE FUNCTIONS FOR THE HYDROGEN FLUORIDE MOLECULE
J CHEM PHYS 36 33-44 JAN 1962
BY CLEMENTI, E. DDC NR.
ROOTHAAN, C J<P.I.> CONTRACT NR. AF 49<638>-1068
PROJ/TASK NR. 9751-02

AFOSR 4039
CHICAGO U., ILLINOIS
ACCURATE ANALYTICAL SELF-CONSISTENT FIELD FUNCTION OR ATOMS
LOWEST CONGIGRUATIONS OF THE NEUTRAL FIRST ROW ATOMS
PHYS REV 127 1618-1620 SEP 1962
BY CLEMENTI, F. DDC NR.
ROOTHAAN, C, J. CONTRACT NR. AF 49<638>-1068
YOSHIMINE, J. PROJ/TASK NR. 9751-02

AFOSR 4040
CHICAGO, UNIV OF, ILL
ATOMIC SELF-CONSISTENT FIELD CALCULATIONS BY THE EXPANSION
METHOD
BY ROOTHAAN, C, J. DDC NR. 290668
BAGUS, P, S. CONTRACT NR. AF 49 <638>-1068
PROJ/TASK NR. 9751-02

AFOSR 4041
NEW YORK UNIV, NY
RESEARCH IN GAS DISCHARGE PHENOMENA FINAL REPORT NOV 1962
BY REDERSON, R. DDC NR. 289275
BORRSTEIN, L<P.I.> CONTRACT NR. AF 49<638>-943
PROJ/TASK NR. 9767

AFOSR 4042
MICHIGAN STATE UNIV., EAST LANSING
THEORETICAL RESEARCH ON INFRARED AND MICROWAVE ROTATION OF
ASSYMETRIC TOP MOLECULES FINAL REPORT
BY PARKER, P. M. DDC NR.
CONTRACT NR. AF 49 <638>-894
PROJ/TASK NR. 9751-37511

AFOSR 4043
OKLAHOMA, UNIV OF NORMAN
MAY 1962 MEASUREMENT OF THE RELAXATION TIMES FOR THE
OPTICALEXICITED STATES OF ATOMS FINAL REPORT
BY FOWLER, R. G. DDC NR.
CONTRACT NR. AF 49<638>-639
PROJ/TASK NR. 9751-37511

AFOSR 4044
ARKANSAS, UNIV OF, FAYETTEVILLE
A SPECTROSCOPIC INVESTIGATION OF NUCLEAR PROPERTIES FINAL
REPORT JUN 1962
BY HUGHES, R. H. DDC NR.
CONTRACT NR. AF 49<638>-547
PROJ/TASK NR. 9767

AFOSR 4045
WASHINGTON UNIV, ST LOUIS
PARAMAGNETIC RESONANCE OF FREE RADICALS FINAL REPORT SEP 62
BY NORBERG, R. DDC NR. 290686
WEISSMEN, S. I.<OI> CONTRACT NR. AF 49<638>466
PROJ/TASK NR. 9751-37511

AFOSR 4046
HEBREW UNIV JERUSALEM ISRAEL
STUDIES OF THE INTERNAL FIELDS ACTING ON NUCLEI IN
FERRIMAGNETIC AND PARAMAGNETIC SOLIDS, USING RECOIL-FREE
RESONANCE ABSORPTION <MOSSBAUER EFFECT>
J PHYS SOC JAPAN 17 123-124 1962 PROC. INTERNAT-L CONF.
ON MAGNETISM AND CRYSTALLOGRAPHY, 1961 1
BY BAUMINGER, R. DDC NR.
COHEN, S. G. CONTRACT NR. AF 61<052>-347
MARINOV, A. PROJ/TASK NR. 9763-37631
OFER, S.

AFOSR 4047
CALIFORNIA UNIV OF, BERKELEY
ON THE DISTRIBUTION OF HIGH ENERGY STARS IN SPHERICAL
STELLAR SYSTEMS
BY MICHIE, R. W. DDC NR. 290671
HENRYEY, L<P.I.> CONTRACT NR. AF 49<638>-299
PROJ/TASK NR. 9774-37663

AFOSR 4048
CALIFORNIA UNIV OF BERKELEY
INTERPLANETARY GAS, VII. A SEMI-EMPIRICAL MODEL APR 1962
BY BRANDT, J. C. DDC NR. 290672
MICHIE, R. W. CONTRACT NR. AF 49<638>-299
HENRYEY, L<P.I.> PROJ/TASK NR. 9 74-37663

AFOSR 4049
CALIFORNIA UNIV OF BERKELEY
PHYSICAL ATMOSPHERIC PARAMETERS FOR LATE-TYPE STARS
ASTROPHYS J 133 107-129 JAN 1961
BY VARDYA, M. S. DDC NR.
HENRYEY, L<P.I.> CONTRACT NR. AF 49<638>-299
PROJ/TASK NR. 9774-37663

AFOSR 4050
CALIFORNIA UNIV OF, BERKELEY
RESEARCH IN ATOMIC PHYSICS SCATTERING PROCESSES FINAL
OCT 31 1962
BY WATSON, K. M. DDC NR.
CONTRACT NR. AF AFOSR 62-121
PROJ/TASK NR. 9751-02

AFOSR 4051
COLUMBIA UNIV., NEW YORK NY
VALENCE THEORY AND NUCLEAR RESONANCE FINAL REPORT NOV 62
BY VERDIECK, J. F. DDC NR.
BERSOHN, R .<P.I.> CONTRACT NR. AF AFOSR 60-26
PROJ/TASK NR. 9751-37511

AFOSR 4052
UTAH UNIV OF SALT LAKE CITY
ELECTRICAL AND PLASM PHENOMENA ACCOMPANYING DETONATION
FINAL REPORT
BY KEYES, R. T. DDC NR. 289568
COOK, M A<P.I.> CONTRACT NR. AF 49<638>-1061
PROJ/TASK NR. 9751-02

AFOSR 4053
UTAH, UNIV OF SALT LAKE CITY
IONIZATION IN THE SHOCK INITIATION OF DETONATION SEP 1962
BY BAUER, A. DDC NR. 289569
COOK, M. A. CONTRACT NR. AF 18<603>-100
KEYES, R. T. PROJ/TASK NR. 9751-37511

AFOSR 4054
UTAH UNIV OF SALT LAKE CITY
CHEMICAL REACTION RATES AND THE SHOCK INITIATION OF
DETONATION IN LIQUID EXPLOSIVES, SEP 1962
BY BAUER, AL. DDC NR. 287915
COOK, M. A. CONTRACT NR. AF 18<603>-100
KEYES, R. T. PROJ/TASK NR. 9751-37511

AFOSR 4055
TORINO UNIV ITALY
ON THE GREEN-S FUNCTION OF POTENTIAL SCATTERING FINAL
REPROT SEPT 1962
BY VERDE M DDC NR. 290687
CONTRACT NR. AF 61<052>-230
PROJ/TASK NR. 9750-37500

AFOSR 4056
OXFORD UNIV ENGLAND
RESEARCH ON INELASTIC PROCESSES
BY ROOK, J. R. DDC NR. 290701
MITRA, D. CONTRACT NR. AF 61<052>-455
WILKINSON, D. H.<P.I PROJ/TASK NR. 7112-70716

AFOSR 4057
HEBREW UNIV JERUSALEM ISRAEL
THE IMPACT OF PERSONAL ATTRIBUTES, HUMAN QUALITIES AND
PRIMORDIAL TIES ON ROLE BEHAVIOR SEP 1962
BY SHLONSKY H R DDC NR. 290680
EISENSTADT S N<-<I.> CONTRACT NR. AF 61<052>-480
PROJ/TASK NR. 9778-37707

AFOSR 4058
TECHNISCHE HOCHSCHULE MUNICH GERM
NUMERICAL TREATMENT OF THE INITIAL VALUE PROBLEM FOR SYSTEM
OF QUASILINEAR PARTIAL DIFFERENTIAL EQUATIONS OF FIRST ORDER
NUM MATH 253-261 1962
BY ALBRECHT R DDC NR.
URICH W CONTRACT NR. AF EOAR-62-94
SAUER R<P.I.> PROJ/TASK NR. 9781

AFOSR 4059
VERN UNIV OF SWITZERLAND
RADIATION EFFECTS IN SPACE AND THERMAL EFFECTS OF
ATMOSPHERIC ENTRY BY THERMOLUMINESCENCE MEASUREMENTS ON
ON METEORITES FINAL REPORT OCT 1962
BY HOUTERMANS, F. G. DDC NR. 290613
CONTRACT NR. AF EOAR 61-51
PROJ/TASK NR. 9774-37665

AFOSR 4060
OXFORD UNIV OF, ENGLAND
THE REACTION OF ATOMS AND RADICALS WITH VARIOUS MOLECULES
AND WITH ONE ANOTHER FINAL REPORT OCT 1962
BY LINNETT, J. W. DDC NR. 290631
CONTRACT NR. AF EOAR 62-6
PROJ/TASK NR. 9751-01

AFOSR 4061
HEBREW UNIV, JERUSALEM ISRAEL
ELECTRON DENSITY, IONIZATION RATE AND APPROACH TO THERMAL
EQUILIBRIUM BEHIND SHOCK WAVES BY MEANS OF MICROWAVE TECHNIQ
BY LOW W. DDC NR. 290667
CONTRACT NR. AF 61<052>-401
PROJ/TASK NR. 9781-37713

AFOSR 4062
UNIVERSITY COLLEGE LONDON ENGLAND
ANGULAR CORRELATIONS IN LAMBDA HYPERON BETA DECAY SEP 1962
BY EGARDT L DDC NR. 290702
HAMILTON J<P.I.> CONTRACT NR. AF EOAR 62-3
PROJ/TASK NR. 9750-01

AFOSR 4063
UNIVERSITY COLLEGE LONDON ENGLAND
PION-PION INTERACTION IN THE STATES T O AND T-1, AUG 1962
BY SPEARMAN T D DDC NR. 290624
HAMILTON J<P.I.> CONTRACT NR. AF EOAR 62-3
PROJ/TASK NR. 9750-01

AFOSR 4064
UNIVERSITY COLLEGE LONDON ENGLAND
ON THE DECAY OF THE LAMBDA HYPERO N TO AN ELECTRON PLUS TWO
NEUTRALS AUG 1962
BY EGARDT L DDC NR. 290625
HAMILTON J<P.I.> CONTRACT NR. AF EOAR 62-3
PROJ/TASK NR. 9750-01

AFOSR 4065
IST ELETTROTECNICO NAZIONALE GALILEO FERRARIS ITALY
MICROSCOPICAL STUDY OF THE SURFACES OF SEMICONDUCTORS FOR
USE IN ELECTRONICS
RENDICONTI D A F I VENICE 206 1-6 SEP OCT 1959
BY MOJONI A DDC NR.
BONFIGLIOLI G CONTRACT NR. AF 61<052>-1393
PROJ/TASK NR. 9760-37601

AFOSR 4066
ABERDEEN UNIV OLD ABERDEEN SCOTLAND
CRYSTALLOGRAPHIC STUDY OF CAZBAS1309
ZEIT KRISTAL 116 265-285 1961
BY GLASSER F P DDC NR.
GLASSER L S D CONTRACT NR. AF 61<052>-276
TAYLOR H F W<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 4067
ABERDEEN UNIV OF OLD ABERDEEN SCOTLAND
SILICATE TRANSFORMATIONS RHODONITE-WOLLASTONITE
ACTA CRYSTAL 14 818-822 AUG 1961
BY GLASSER, L S D DDC NR.
GLASSER F P CONTRACT NR. AF 61<052>-276
TAYLOR, H F W<P.I.> PROJ/TASK NR. 9760-37601

AFOSR 4068
ABERDEEN UNIV OF OLD ABERDEEN SCOTLAND
STRUCTURE OF CALCIUM ALUMINATE 12 CA0.7A1203
NATURE 194 764-765 MAY 1962
BY JEEVARATNAM J — DDC NR.
GLASSER L S D — CONTRACT NR. AF 61<052>-276
GLASSER F P — PROJ/TASK NR. 9760-37601
TAYLOR H F W<P.I.>

AFOSR 4069
CALIFORNIA UNIV OF RIVERSIDE CALIF
EXCHANGE NARROWING OF D BANDS IN FERROMAGNETS
PHYS REV 127 1605-1611 SEP 1962
BY WOLFRAM T — DDC NR.
CALLAWAY J — CONTRACT NR. AF AFOSR 61-70
WILD R<P.I.> — PROJ/TASK NR. 9760-37601

AFOSR 4070
MIAMI UNIV FLA
THE CALCIUM FLUORIDE-RARE EARTH OXIDE SYSTEMS IN A LABORATORY ATMOSPHERE
RARE EARTH RESEARCH VOL. II, ED. C. LUNDIN & J. MACHMAN, PUB. GORDON AND BREACH 1962
BY VORRES K S — DDC NR.
CONTRACT NR. AF AFOSR 61-104
PROJ/TASK NR. 9762-02

AFOSR 4071
MIAMI UNIV FLA
MIXED REFRACTORY OXIDES FINAL REPORT NOV 1962
BY VORRES K S — DDC NR. 290693
CONTRACT NR. AF AFOSR 61-104
PROJ/TASK NR. 9762-02

AFOSR 4072
INST. OF THE AEROSPACE SCI NEW YORK NY
PROCEEDINGS OF AN AEROSPACE SCIENTIFIC SYMPOSIUM OF DISTINGUISHED LECTURERS IN HONOR OF DR. THEODORE VON KARMAN ON HIS 80TH ANNIVERSARY, MAY 11, 1961, WASHINGTON, D.C. INST. OF AEROSPACE SCIENCES 1962
BY ROBICHON, F. W.<P.I.>DDC NR.
>CONTRACT NR. AF AFOSR 61-47
>PROJ/TASK NR. 9750-37501

AFOSR 4073
CALIFORNIA UNIV OF RIVERSIDE CALIF
SPIN WAVE-ELECTRON INTERACTIONS IN MAGNETIC SOLIDS THESIS AUG 1962
BY WOLFRAM T — DDC NR. 291499
WILD R<P .I.> — CONTRACT NR. AF AFOSR 61-70
WILD R<P .I.> — CONTRACT NR. AF AFOSR 62-318
PROJ/TASK NR. 9760-37601

AFOSR 4074
MARYLAND UNIV OF COLLEGE PARK
DIELECTRIC CONSTANT OF A SUPERCONDUCTOR OCT 1962
BY PRANGE R E — DDC NR.
FERRELL R A<P.I.> — CONTRACT NR. AF AFOSR 62-46
MYERS R<P.I.> — PROJ/TASK NR. 9763-02

AFOSR 4075
ROCHESTER UNIV OF NEW YORK
SCREENING CORRECTION TO THE SLATER EXCHANGE POTENTIAL
PHYS REV LTRS 9 215-217 SEP 1962
BY ROBINSON J E — DDC NR.
BASSANI F — CONTRACT NR. AF AFOSR 62-145
KNOX R S — PROJ/TASK NR. 9760-02
SCHRIEFFER J R
DEXTER D L<P.I.>

AFOSR 4076
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
PREPARATION OF IDEALIZED TWO PHASE COMPOSITES BY ELECTROPLATING, AUG 1962
BY KROCK, R. H. — DDC NR.
LEVY, G. — CONTRACT NR. AF 49<638>-775
SHEPARD, L. A. — PROJ/TASK NR. 9782-02
BISPHINGHOFF, R L<P

AFOSR 4077
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
MECHANICAL BEHAVIOR OF THE TWO-PHASE COMPOSITE, TUNGSTEN-NICKEL-IRON, AUG 1962
BY KROCK, R. H. — DDC NR. 288915
SHEPARD, L. A. — CONTRACT NR. AF 49<638>-775
BISPHINGHOFF, R L<P. — PROJ/TASK NR. 9782-02

AFOSR 4078
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
THE ENVELOPE OF RANDOM VIBRATION OF A LIGHTLY-DAMPED NONLINEAR OSCILLATOR, OCT 1962
BY CRANDALL S. H. — DDC NR. 288025
CONTRACT NR. AF 49<638>564
PROJ/TASK NR. 9782-37718

AFOSR 4079
POLYTECHNIC INST. OF BROOKLYN, NY
FEEDBACK DESIGN AND OPTIMAL CONTROL THEORY, OCT 1962
WPAFB CONF. ON OPTIMUN SYSTEM SYNTHESIS DAYTON, OHIO SEP 11-14 1962
BY TRUXAL, J. G. — DDC NR.
DORATO, P. — CONTRACT NR. AF AFOSR 62-280
PROJ/TASK NR. 9768-01

AFOSR 4080
STANFORD UNIV CALIFORNIA
INTERACTION BETWEEN A COLD PLASMA <OR DIELECTRIC> AND A CAVITY, AUG. 1962
BY THOMASSEN, K. I. — DDC NR. 288014
SIEGMAN, A E<P .I.> — CONTRACT NR. AF 49<638>-660
BUNEMAN, O<P.I.> — PROJ/TASK NR. 9768-37650

AFOSR 4081
OREGON UNIV OF EUGENE
COPLANARITY EFFECTS ON THE SPECTRAL, GAS CHROMATOGRAPHIC, POLAROGRAPHIC, AND DIELS-ALDER CHARACTERISTICS OF 1-ALKYL 1-<2-NAPHTHYL> ETHENES
BY KLEMM L H — DDC NR. 296207
SOLOMON W C — CONTRACT NR. AF 49<638>-473
KOHLIR A J — PROJ/TASK NR. 9761-37610

AFOSR 4082
UNIV MAYOR DE SAN ANDRES, LA PAZ, BOLIVIA
GAMMA RAY ASTRONOMY
BY ESCOBAR, I. — DDC NR.
SCHULCZEWSKI, R. — CONTRACT NR. AF 49<638>-290
CLARK, G<. — PROJ/TASK NR. 9774-37665
SUGA, K.
MURAKAMI, K.

AFOSR 4083
STANFORD UNIV, CALIF
RESEARCH IN PARAMAGNETIC RESONANCE FINAL REPORT
BY PAKE, G. E. — DDC NR.
CONTRACT NR. AF 18<603>-131
PROJ/TASK NR. 9751-37511

AFOSR 4084
CALIFORNIA UNIV OF BERKELEY
EFFECTS OF THE PLASMA IN CYCLOTRON RESONANCE IN METALS AND SEMICONDUCTORS
CONF. ON RADIOFREQUENCY SPECTROSCOPY DURHAM, NO. CAR NOV 57
BY KITTEL C — DDC NR.
CONTRACT NR. AF 18<603>-46
PROJ/TASK NR. 9760-37601

AFOSR 4085
HARVARD UNIV, CAMBRIDGE MASS
NON-ABELIAN GAUGE FIELD, RELATIVISTIC INVARIANCE
PHYS REV. 127 324-330 JUL 1962
BY SCHWINGER, J. — DDC NR.
GLANBER, R. J<P.I.> — CONTRACT NR. AF 49<638>-589
PROJ/TASK NR. 9774-37665

AFOSR 4086
MASSACHUSETTS INST OF TECHNOLOGY, CAMBRIDGE
PERFORMANCE DATA ON COOLING TURBINE SYSTEM FOR MASS TRANSFER CONFS, JUN 1959
BY ROCKOWER B. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4087
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
CALIBRATION OF COOLING TURBINE NOZZLE WITH RECTANGULAR SECTION <DWG. D-7-290> USED IN MASS TRANSFER EXPERIMENT, JUN 1959
BY ROCKOWER A. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4088
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
TRANSPORT PROPERTIES FOR MIXTURE BOUNDARY LAYER WEDGE SOLUTIONS, JUN 1959
BY SCOTT P. B. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4089
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
EFFECT OF VARIABLE WALL THICKNESS ON INJECTION RATE-FLAT PLATE AND HEMISPHERE, JUL 1959
BY MORAN J. P. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4090
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
BINARY BOUNDARY LAYER SOLUTIONS BY MEANS OF A FINITE DIFFERENCE METHOD JUL 1959
BY SCOTT P. B. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4091
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
FINITE DIFFERENCE FORMULATION OF THE BINARY BOUNDARY LAYER WITH ,,VELOCITY OVER-SHOOT,, AUG 1959
BY SCOTT P. B. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4092
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
RECALULATION OF THE DISTRIBUTION OF THE LOCAL RATE ON AN ISOTHERMAL, POROUS HEMISPHERE SEPT. 1959
BY GOLLNICK, JR. A. F. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4093
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
I. B. M. 704 PROGRAM FOR BINARY MIXTURE, PRESSURE GRADIENT BOUNDARY LAYER EQUATIONS AUG. 1959
BY MCCARTHY C. V. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4094
MASSACHUSETTS INST OF. TECHNOLOGY, CAMBRIDGE
MASS FLOW AND COOLING REQUIREMENTS FOR A POROUS HEMISPHERE SEP 1959
BY GOLLNICK, JR. A. F. — DDC NR.
CONTRACT NR. AF 49<638>245
PROJ/TASK NR. 9781-37712

AFOSR 4095
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
INCORPORATION OF THE EXISTING GAS COOLING AND SUPPLY STYSTEM IN THE TEST OF A POROUS HEMISPHERE NOV 1959
BY GOLLNICK, JR. A. F. — DDC NR.
CONTRACT NR. AF 49<638>-245
PROJ/TASK NR. 9781-37712

AFOSR 4096
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
THE CALIBRATION OF POROUS WEDGES, DEC. 1959
BY GOLLNICK, JR. A. F. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4097
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
AN EXPLICIT FINITE DIFFERENCE FORMULATION ON SPACE COORDINATES APPLIED TO THE BINARY BOUNDARY LAYER EQUATION, FEB. 1960
BY MORAN J. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4098
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
COOLANT INJECTION PARAMETERS FOR COOLING OF HYPERSONIC NOZZLE, DEC 1959
BY BERNICKER R P DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4099
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
NOZZLE DESIGN FOR CONSTANT PRESSURE GRADIENT PARAMETER B, DEC. 1959
BY BERNICKER R. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4100
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
FLOW CALIBRATION OF POROUS HEMISPHERES WITH NON-UNIFORM WALL THICKNESS, APR 1960
BY GOLLNICK, JR. A. F. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 978-37712

AFOSR 4101
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
PREDICTED POROUS CONE AND COOLANT TEMPERATURES UNDER TUNNEL TEST CONDITIONS, JUN 1959
BY BERNICKER R. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4102
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
THICKNESS EFFECTS IN FLUID FLOW THROUGH POROUS DISCS, MAY 1959
BY GOLLNICK, JR. A. F. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4103
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
REQUIRED VARIATION OF THE LOCAL BLOWING RATE OVER AN ISOTHERMAL, POROUS HEMISPHERE, MAR. 1959
BY GOLLNICK, JR. A. F. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4104
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
THE LAMINAR ISOTHERMAL BOUNDARY LAYER ON A FLAT PLATE WITH UNIFORM INJECTION, MAR. 1958
BY GOLLNICK, JR. A. F. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4105
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
SOME APPROXIMATIONS TO THE SOLUTION TO THE BINARY BOUNDARY LAYER PROBLEM, JAN. 1959
BY COVERT E. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4106
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
DECAY OF WALL CONCENTRATION DOWNSTREAM OF AN INJECTION REGION, APR. 1961
BY CULICK F. E. C. DDC NR.
CONTRACT NR. AF 49(638)-245
PROJ/TASK NR. 9781-37712

AFOSR 4107
WASHINGTON UNIV ST LOUIS MO
ON THE EXISTENCE OF INVARIANT MEASURES
BY SCHAEFF H H DDC NR.
HIRSCHMAN JR II<P.I. CONTRACT NR. AF 18(600)-568
PROJ/TASK NR. 9781-37727

AFOSR 4108
MASSACHUSETTS INST. OF TECHNOLOGY CAMBRIDGE
ON THE THIRD ENGEL CONDITION
BY ALPERIN, J. L. DDC NR.
MARTIN, W. T.<P.I.> CONTRACT NR. AF 49(638)-42
PROJ/TASK NR. 9769-37658

AFOSR 4109
HARVARD UNIV CAMBRIDGE MASS
GRACE-S THEOREM ON THE ZEROS OF POLYNOMIALS
BY WALSH J L DDC NR.
AHLFORS L V<P.I.> CONTRACT NR. AF AFOSR 62-198
PROJ/TASK NR. 9769-37658

AFOSR 4110
GENERAL ATOMIC, SAN DIEGO, CALIF
INTERACTION OF ATOMS WITH SURFACES,
FINAL REPORT NOV 1962
BY SMITH, JR. J. N. DDC NR. 292963
FITE W. L. CONTRACT NR. AF 49(638)-356
PROJ/TASK NR. 9783-37726

AFOSR 4111
FREE UNIV OF WEST BERLIN GERM
SPHERICALLY SYMMETRIC MODELS IN RELATIVISTIC AND NEWTONIAN COSMOLOGY
ZEIT. ASTROPHYS 55 127-136 1962
BY JUST, K. DDC NR.
KRAUS, E. CONTRACT NR. AF 61(052)-335
PROJ/TASK NR. 9776-37663

AFOSR 4112
YESHIVA UNIV, NEW YORK NY
STATISTICAL THERMODYNAMICS OF NONUNIFORM FLUIDS
BY LEBOWITZ, J. L. DDC NR. 292937
PERCUS, J. K. CONTRACT NR. AF 49(638)-759
PROJ/TASK NR. 9751-37511

AFOSR 4113
YESHIVA UNIV, NEW YORK NY
NOTE ON THE THERMODYNAMIC PROPERTIES OF SMALL SYSTEMS
PHYS. REV. 124 1673-1681 DEC 1961
BY LEBOWITZ, J. L. DDC NR.
PERCUS, J. K. CONTRACT NR. AF 49(638)-759
PROJ/TASK NR. 9751-37511

AFOSR 4114
YESHIVA UNIV, NEW YORK NY
LONG RANGE CORRELATIONS IN A CLOSED SYSTEM WITH APPLICATIONS TO NONUNIFORM FLUIDS
PHYS REV. 122 1675-1691, JUN 1961
BY LEBOWITZ, J. L. DDC NR.
PERCUS, J. K. CONTRACT NR. AF 49(638)-759
PROJ/TASK NR. 9751-37511

AFOSR 4115
YESHIVA UNIV, NEW YORK NY
STATISTICAL MECHANICS OF OPEN SYSTEMS
BY LEBOWITZ, J. L. DDC NR.
SHIMONY, A. CONTRACT NR. AF 49(638)-759
PROJ/TASK NR. 9751-37511

AFOSR 4116
ROCHESTER UNIV OF NY
STRANGE PARTICLE INTERACTIONS-EXPERIMENTAL
PROC. ROCHESTER CONF. SESSION 6 171-183 1960(>/
BY KAPLON, M. F. DDC NR.
CONTRACT NR. AF 49(638)-303
PROJ/TASK NR. 9774-37665

AFOSR 4117
ROCHESTER UNIV OF NY
K$ SCATTERING IN THE ENERGY RANGE 100-250 MEV
PHYS REV. 117 846-849 FEB 1960
BY DAVIS, D. F. DDC NR.
KWAK, N. CONTRACT NR. AF 49(638)-303
KAPLON, M. F. PROJ/TASK NR. 9774-37665

AFOSR 4118
ROCHESTER UNIV OF NY
K--MESON ELASTIC SCATTERING BY EMULSION NUCLEI
PHYS. REV. 117 850-853 FEB 1960
BY DAVIS, D. F. DDC NR.
KWAK, N. CONTRACT NR. AF 49(638)-303
KAPLON, M. F. PROJ/TASK NR. 9774-37665

AFOSR 4119
ROCHESTER, UNIV OF NY
POSSIBLE EVIDENCE FOR A NEGATIVE HEAVY MESON
PHYS. REV. LTRS. 3 283-284 SEP 1959
BY YAMANOUCHI, T. DDC NR.
KAPLON, M. F. CONTRACT NR. AF 49(638)-303
PROJ/TASK NR. 9774-37665

AFOSR 4120
ROCHESTER UNIV OF NY
STRANENESS 2 MESON
PHYS REV. LTRS 3 480-482 NOV 1959
BY YAMANOUCHI, T. DDC NR.
KAPLON, M . F.<P.I.> CONTRACT NR. AF 49(638)-303
PROJ/TASK NR. 9774-37665

AFOSR 4121
ROCHESTER UNIV OF, NY
ISOTOPIC COMPOSITION OF THE LOW-ENERGY HELIUM NUCLEI IN THE PRIMARY COSMIC RADIATION
PHYS REV. 123 295-300 JUL 1961
BY APPA RAO M. V. K. DDC NR.
KAPLON, M F<P .I.> CONTRACT NR. AF 49(638)303
PROJ/TASK NR. 9774-37665

AFOSR 4122
ROCHESTER UNIV OF NY
DIRECTIONAL HIGH ENERGY GAMMA-RAY COUNTER
REV. SCI. INSTR. 32 697-702 JUN 1961
BY FAZIO, G. G. DDC NR.
HAFNER, E. M. CONTRACT NR. AF 49(638)303
KAPLON, M F<P.I .> PROJ/TASK NR. 9774-37665

AFOSR 4123
ROCHESTER UNIV NY
HE3-NUCLEI IN TH E PRIMARY COSMIC RADIATION
J PHYS SOC JAPAN 17 SUPPL. A-III 48-52 1962
BY APPA RAO M V K DDC NR.
KAPLON M F CONTRACT NR. AF AFOSR 62-32
PROJ/TASK NR. 9750-01

AFOSR 4124
ROCHESTER U., NEW YORK
THE HE3/<HE3&HE4> RATIO IN PRIMARY COSMIC RADIATION
J. GEOPHYS RSCH 67 1289-1293 APR. 1962
BY APPA RAO, M. V. K. DDC NR.
KAPLON, M F<P.I.> CONTRACT NR. AF 49(638)-303
PROJ/TASK NR. 9774-37665

AFOSR 4125
ROCHESTER UNIV OF, NY
THE ABUNDANCE OF TRITONS AND DETERONS IN PRIMARY COSMIC RADIATION MAY 15 1962
BY APPA RAO, M. V. K. DDC NR.
LAVAKARE, P. J. CONTRACT NR. AF 49(638)-303
KAPLON, M F<P.I.> PROJ/TASK NR. 9774-37665

AFOSR 4126
ROCHESTER UNIV OF NY
STUDY OF NUCLEAR INTERACTIONS PRODUCED BY 275 MEV DEUTERONS IN NUCLEAR EMULSIONS, AUG 1961
BY APPA RAO, M. V. K. DDC NR, 284608
LAVAKRE, P. J. CONTRACT NR, AF 49(638)-303
KAPLON, M F(P.I.) PROJ/TASK NR, 9774-37665

AFOSR 4127
ROCHESTER UNIV NEW YORK
THE INFLUENCE OF IONIZATION LOSS ON THE SHAPE OF THE DIFFERENTIAL PRIMARY COSMIC RAY ENERGY SPECTRUM JUL 1962
BY APPA RAO M V K DDC NR,
KAPLON M F CONTRACT NR, AF AFOSR 62-32
PROJ/TASK NR, 9774-02

AFOSR 4128
ROCHESTER UNIV NY
ISOTOPIC ANALYSIS OF PRIMARY COSMIC RADIATION AUG 1962
BY APPA RAO M V K DDC NR,
KAPLON M F(P.I.) CONTRACT NR, AF AFOSR 62-32
PROJ/TASK NR, 9774-02

AFOSR 4129
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
LIH3(SEO3)2 NEW ROOM-TEMPERATURE FERROELECTRIC
PHYS REV 114 1217-1218 JUN 1959
BY PEPINSKY R DDC NR,
VEDAM K CONTRACT NR, AF 18(603)-35
PROJ/TASK NR, 9763-37631

AFOSR 4130
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
THEORY OF THE FERROELECTRIC EFFECT IN ROCHELLE SALT
PHYS REV 111 1259-1267 SEP 1958
BY MITSUI T DDC NR,
PEPINSKY, R (P.I.) CONTRACT NR, AF 18(603)-35
PROJ/TASK NR, 9763-37631

AFOSR 4131
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
DIELECTRIC AND THERMAL STUDY OF (NH4) 2SO4 AND (NJ4)2BEF4 TRANSITIONS
PHYS REV 112 405-412 OCT 1958
BY HOSHINO S DDC NR,
VEDAM K CONTRACT NR, AF 18(603)-35
OKAYA Y PROJ/TASK NR, 9763-37631
PEPINSKY R

AFOSR 4132
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
AMMONIUM HYDROGEN SULFATE A NEW FERROELECTRIC WITH LOW COERCIVE FIELD
PHYS REV 111 1508-1510 SEP 1958
BY PEPINSKY R DDC NR,
VEDAM K CONTRACT NR, AF 18(603)-35
HOSHINO S PROJ/TASK NR, 9763-37631
OKAYA Y

AFOSR 4134
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
NON-ISOMORPHISM OF FERROELECTRIC PHASES OF AMMONIUM SULFATE AND AMMONIUM FLUOBERYLLATE
ACTA CRYST 11 307 1958
BY OKAYA Y DDC NR,
VEDAM K CONTRACT NR, AF 18(603)-35
PEPINSKY R PROJ/TASK NR, 9763-37631

AFOSR 4135
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FERROELECTRICITY IN AMMONIUM MONOCHLOROACETATE
ACTA CRYST 10 600 1957
BY OKAYA Y DDC NR,
VEDAM K CONTRACT NR, AF 18(603)-35
PEPINSKY R PROJ/TASK NR, 9763-37631

AFOSR 4136
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FERROELECTRICITY IN GLYCINE SILVER NITRATE
PHYS REV 107 1538-1539 SEP 1957
BY PEPINSKY R DDC NR,
OKAYA Y CONTRACT NR, AF 18(603)-35
EASTMAN D P PROJ/TASK NR, 9763-37631
MITSUI T

AFOSR 4137
PENNYSLVANIA STATE UNIV UNIVERSITY PARK
ROOM-TEMPERATURE FERROELECTRICITY IN LITHIUM HYDRAZINIUM SULFATE, LI(N2H5) SO4
PHYS REV 111 1467-1468 SEP 1958
BY PEPINSKY R DDC NR,
VEDAM K CONTRACT NR, AF 18(603)-35
OKAYA K PROJ/TASK NR, 9763-37631
HOSHINO S

AFOSR 4138
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
DIELECTRIC AND THERMAL STUDY OF TRI-GLYCINE SULFATE AND TRI-GLYCINE FLUOBERYLLATE
PHYS REV 107 1255-1258 SEP 1957
BY HOSHINO S DDC NR,
MITSUI T CONTRACT NR, AF 18(603)-35
JONA F PROJ/TASK NR, 9763-37631
PEPINSKY R

AFOSR 4139
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
X-RAY CRYSTALLOGRAPHIC STUDY OF ROOM TEMPERATURE MODIFICATION OF MONOMETHYLAMMONIUM ALUMINUM SULFATE ALUM, (CH3NH3) (AL (H2O)(SO4)2.6H2O
ZEIT KRISTAL 109 4-6 1957
BY OKAYA K DDC NR,
AHMED M S CONTRACT NR, AF 18(603)-35
PEPINSKY R PROJ/TASK NR, 9763-37631
VAND V

AFOSR 4140
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
SYMMETRY OF THE LOW-TEMPERATURE PHASE OF BATIO3
PHYS REV 105 861-864 FEB 1957
BY JONA F DDC NR,
PEPINSKY R CONTRACT NR, AF 18(603)-35
PROJ/TASK NR, 9763-37631

AFOSR 4141
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
NEUTRON DIFFRACTION STUDY OF ORTHORHOMBIC BATIO3
PHYS REV 105 856-860 FEB 1957
BY SHIRANE G DDC NR,
DANNER H CONTRACT NR, AF 18(603)-35
PEPINSKY R PROJ/TASK NR, 9763-37631

AFOSR 4142
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
X-RAY AND NEUTRON DIFFRACTION STUDY OF ANTIFERROELECTRIC LEAD ZIRCONATE, PBZRO3
PHYS REV 105 849-856 FEB 1957
BY JONA F DDC NR,
SHIRANE G CONTRACT NR, AF 18(603)-35
MAZZI F PROJ/TASK NR, 9763-37631
PEPINSKY R

AFOSR 4143
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
BRIDGE FOR ACCURATE MEASUREMENT OF FERROELECTRIC HYSTERESIS
REV SCI INSTR 28 30-33 JAN 1957
BY DIAMANT H DDC NR,
DRENCK K CONTRACT NR, AF 18(603)-35
PEPINSKY R PROJ/TASK NR, 9763-37631

AFOSR 4144
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FERROELECTRICITY IN THE LANGBEINITE SYSTEM
PHYS REV 103 1126 AUG 1956
BY JONA F DDC NR,
PEPINSKY R CONTRACT NR, AF 18(603)-35
PROJ/TASK NR, 9763-37631

AFOSR 4145
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
FERROLECTRICITY IN THE ALUMS
PHYS REV 102 1181-1182 MAY 1956
BY PEPINSKY R DDC NR,
JONA F CONTRACT NR, AF 18(603)-35
SHIRANE G PROJ/TASK NR, 9763-37631

AFOSR 4146
PENNSYLVANIA STATE UNIV UNIVERSITY PARK
X-RAY ANALYSIS OF SOME COMPLEX-ION STRUCTURES
ACTA CRYST 10 798 1957
BY SHIMADA A DDC NR,
GALLITELLI P CONTRACT NR, AF 18(603)-35
STEMPLE N PROJ/TASK NR, 9763-37631
BEEVERS A
OKAYA Y
PEPINSKY R
TAKEUCHI Y
KUROYA H

AFOSR 4147
SOUTHERN METHODIST UNIV, DALLAS TEX
USE OF FOCAL DEPTH DETERMINATIONS IN DISTINGUISHING UNDERGROUND BLASTS FROM EARTHQUAKES, NOV 1962
BY HERRIN E. DDC NR, 288260
CONTRACT NR, AF AFOSR 61-137
PROJ/TASK NR, 8652

AFOSR 4148
CALIFORNIA INST. OF TECH., PASADENA
STUDY OF SEISMIC PHENOMENA CONNECTED WITH EARTHQUAKES AND EXPLOSIONS
FINAL REPORT, AUG 1962
BY PRESS F. DDC NR,
CONTRACT NR, AF 49(638)-910
PROJ/TASK NR, 8652

AFOSR 4149
DUKE UNIV DURHAM
ISOTHERMAL FLOW OF SUPERFLUID HELIUM IN A L. IMMAPILLARY
BY KIDDER, J, N. DDC NR,
FAIRBANK, W. M. CONTRACT NR, AF 49(638)-765
GORDY, W.(P.I.) PROJ/TASK NR, 9768-01

AFOSR 4150
CORNELL UNIV ITHACA NY
VAPORIZATION O IMPURITIES IN COPPER, INCLUDING THOSE INTRODUCED BY ION BOMBARDMENT
J PHYS CHEM SOLIDS 23 885-890 1962
BY RUEDL E DDC NR,
BRADLEY R C CONTRACT NR, AF 49(638)-748
PROJ/TASK NR, 9761-37611

AFOSR 4151
STANFORD UNIV, CALIF
1962 WHISTLERS AND RELATED LOW FREQUENCY RADIO WAVE PHENOMENA
BY HELLIWELL R. A. DDC NR,
CONTRACT NR, AF 18(603)-126
PROJ/TASK NR, 9768-37650

AFOSR 4152
RADIO CORP. OF AMERICA, PRINCETON NJ
PLASMA ACCELERATION BY A 2.4 KMC GRADIENT ELECTRIC FIELD, SEP 1962
BY MENDEL, H. W. DDC NR, 285867
D-AGOSTINI, D. CONTRACT NR, AF 49(638)-658
FAITH, T. PROJ/TASK NR, 9752-37521
REBOUL, T. T.
HUTTER, E. C.(P.I.)

AFOSR 4153
FLORIDA STATE UNIV. TALLAHASSEE
CAPTURE OF PROTONS BY B11 IN THE GIANT RESONANCE REGION
SPP 1962
BY BECKER, J. A. DDC NR.
FOX, J. D. CONTRACT NR. AF AFOSR 62-423
TEMMER, G. M<P .I.> PROJ/TASK NR. 9750-01

AFOSR 4154
STANFORD UNIV CALIFORNIA
OBSERVATIONS OF COLLECTIVE PHENOMENA IN PLASMAS. OCT 1961
BY THOMASSEN, K. I. DDC NR. 292797
SIEGMAN, A. E.<P.I.> CONTRACT NR. AF 49<638>-660
BUMENAN, O<P.I.> PROJ/TASK NR. 9768-37650

AFOSR 4155
BRANDEIS UNIV WALTHAM MASS
KINETIC MODELS AND THE LINEARIZED BOLTZMANN EQUATION
PHYS FLUIDS 2 432-441 JUL AUG 1959
BY GROSS, E. P. DDC NR.
JACKSON, E. A. CONTRACT NR. AF 49<638>-27
PROJ/TASK NR. 9751-37511

AFOSR 4156
BRANDEIS UNIV WALTHAM MASS
HEAT FLOW BETWEEN PARALLEL PLATES
PHYS FLUIDS 2 701-712 NOV DEC 1959
BY GROSS, E. P. DDC NR.
ZIERING, S. CONTRACT NR. AF 49<638>-27
PROJ/TASK NR. 9751-37511

AFOSR 4157
BRANDEIS UNIV WALTHAM MASS
KINETIC THEORY OF THE IMPULSIVE MOTION OF AN INFINITE PLANE
PHYS FLUIDS 1 318-328 JUL AUG 1958
BY GROSS, E. P. DDC NR.
JACKSON, E. A. CONTRACT NR. AF 49<638>27
PROJ/TASK NR. 9751-37511

AFOSR 4158
PRINCETON UNIV NJ
A STUDY OF NEAR FREE MOLECULE FLOW
RAND SYMP. ON AERODYNAMICS OF THE UPPER ATMOSPHERE. JUNE 8
10 1959
BY WILLIS, D. R. DDC NR.
BOGDONOFF, S<P.I.> CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-01

AFOSR 4159
PRINCETON UNIV NJ
ON THE FLOW PAST A SPHERE AT HYPERSONIC SPEED WITH A
MAGNETIC FIELD
J AEROSP SCI 26 670-672 OCT 1959
BY FREEMAN, N. C. DDC NR.
BOGDONOFF, S<P.I.> CONTRACT NR. AF 49<638>465
PROJ/TASK NR. 9781-01

AFOSR 4160
PRINCTON UNIV, NJ
A NOTE ON THE EXPLOSION SOLUTION OF SEDOV WITH
APPLICATION TO THE NEWTONIAN THEORY OF UNSTEADY HYPERSONIC
FLOW
J AEROSP SCI 27 77-78 JAN 1960
BY FREEMAN, N. C. DDC NR.
BOGDONOFF, S<P.I.> CONTRACT NR. AF 49<638>-465
PROJ/TASK NR. 9781-01

AFOSR 4161
STANFORD UNIV. CALIFORNIA
AN INVARIANT INPUT FOR A PATTERN RECOGNITION MACHINE APR.
1962
BY BALL, G. H. DDC NR. 288807
CONTRACT NR. NONR 225<24>
PROJ/TASK NR. 4751

AFOSR 4162
POLYTECHNIC INST. OF BROOKLYN, NEW YORK
VIBRATIONS OF SANDWICH PLATES AND SHELLS FINAL REPORT NOV
62
BY YU, Y. Y. DDC NR.
CONTRACT NR. AF 49<638>-453
PROJ/TASK NR. 9782-37717

AFOSR 4163
NEW YORK UNIV, NY
A FUNDAMENTAL STUDY OF THE HYDRODYNAMIC EQUATIONS FOR
FREE-RADICAL FLAMES FINAL REPORT
BY CAMPBELL, E. S. DDC NR. 288995
CONTRACT NR. AF 49<638>-169
PROJ/TASK NR. 9751-37510

AFOSR 4164
HEBREW UNIV JERUSALEM ISRAEL
IMAGES PERTAINING TO CHOICE OF OCCUPATION: THEIR SOURCES
AND THEIR INFLUENCE ON THIS CHOICE OCT 1962
BY WEIHL H DDC NR. 292251
YUCHTMANN E CONTRACT NR. AF 61<052>-480
EISENSTADT S N<P.I.> PROJ/TASK NR. 9778-37707

AFOSR 4165
MARYLAND, UNIV OF, COLLEGE PARK
INVESTIGATION OF AXIAL FLOW COMPRESSOR BY
ELECTRIC SPARK TECHNIQUE, 1961
BY KAGEYAMA Y. DDC NR.
CONTRACT NR. AF AFOSR 61-3

AFOSR 4166
CALIFORNIA UNIV BERKELEY
DIFFUSIVE SEPARATION OF A GAS MIXTURE APPROACHING A
SAMPLING PROBE OCT 1962
BY MASSON B S DDC NR.
CONTRACT NR. NONR 222<45>
PROJ/TASK NR.

AFOSR 4167
CALIFORNIA UNIV BERKELEY
AERO-FORCES ACTING ON A BLUNT BODY WITH SEPARATED FLOW OCT
1962
BY YUEN Y S DDC NR.
CONTRACT NR. NONR 222<45>
PROJ/TASK NR.

AFOSR 4168
BRANDEIS UNIV WALTHAM MASS
MOTION OF FOREIGN BODIES IN BOSON SYSTEMS
ANN. PHYS. 19 234-259 AUG. 1962
BY GROSS, E. P. DDC NR.
CONTRACT NR. AF 49<638>-27
PROJ/TASK NR. 9751-02

AFOSR 4169
BRANDEIS UNIV WALTHAM MASS
PARTICLE-LIKE SOLUTIONS IN FIELD THEORY
ANN. PHYS. 19 219-233 AUG. 1962
BY GROSS, E. P. DDC NR.
CONTRACT NR. AF 49<638>-27
PROJ/TASK NR. 9751-02

AFOSR 4170
GENOVA UNIV OF ITALY
BLOOD PRESSURE DURING NATURAL SLEEP AND DURING SLEEP INDUCE
BY ELECTRICAL STIMULATION OF THE BRAIN STEM RETICULAR FORMA
ARCH ITAL BIOL 100 216-233 1962
BY CANDIA O DDC NR.
FAVALE E CONTRACT NR. AF 61<052>-461
GIUSSANI A PROJ/TASK NR. 9777-01
ROSSI G F

AFOSR 4171
PISA UNIV OF ITALY
RESEARCH ON RELATIONS OF BRAIN STEM RETICULAR FORMATION TO
ANIMAL BEHAVIOR FINAL REPORT 1962
BY MORUZZI G DDC NR.
CONTRACT NR. AF 61<052>-107
PROJ/TASK NR. 9777-01

AFOSR 4172
ISTITUTO NAZIONALE DI OTTICA ITALY
BINOCULAR INTERACTION EFFECT II INVESTIGATION ON THE TIME
BEHAVIOUR OF MONOCULAR SENSITIVITY DURING CONTRALATERAL
STIMULATION
ATTI D- FONDAZIONE GIORGIO RONCHI 17 MAY-JUN 1962
BY FIORENTINI A DDC NR.
BITTINI M CONTRACT NR. AF 61<052>-80
FORALDO DI FRANCIA G PROJ/TASK NR. 9777-04

AFOSR 4173
CENTRE NATIONAL DE LA RECH SCI FRANCE
PHYSIOLOGY-PLATEAUS OF DEPOLARIZATION AND PAROXYSTICAL
STRINGS OF POINTS IN HYPERTHERMIA ON CERTAIN IDENTIFIABLE
NEURONS OF APLYSIA
BY ARVANITAKI A DDC NR.
CHALAZONITIS N CONTRACT NR. AF EOAR 61-30
PROJ/TASK NR. 9777-04

AFOSR 4174
KAROLINSKA INST STOCKHOLM SWEEN
URINARY EXCRETION OF CATECHOLAMINES IN ENDOTOXIN-INDUCED
FEVER IN RABBITS
ACTA PHYSIOL SCAND 54 354-358 1962
BY SERAFIMOV N DDC NR.
VON EULER U S<P.I.> CONTRACT NR. AF 61<052>-309
PROJ/TASK NR. 9777-02

AFOSR 4175
KAROLINSKA INST STOCKHOLM SWEDEN
INHIBITION BY GANGLIONIC BLOCKING AGENTS OF THE MOTOR
RESPONSE OF THE ISOLATED GUINEA PIG VAS DEFERENS TO HYPOGAS
NERVE STIMULATION
ACTA PHYSIOL SCAND 54 306-315 1962
BY SJOSTRAND N O DDC NR.
VON EULER U S<P.I.> CONTRACT NR. AF 61<052>-309
PROJ/TASK NR. 9777-02

AFOSR 4176
FREE UNIV OF BRUSSELS BELGIUM
STUDY OF THE ROLE OF SULFHYDRILE GROUPS IN THE
MORPHOGENISIS OF THE CHICKEN EMBRYO
DEVEL BIOL 4 549-568 JUN 1962
BY POHL V DDC NR.
BRACHET J CONTRACT NR. AF 61<052>-356
PROJ/TASK NR. 9777-03

AFOSR 4177
FREE UNIV OF BRUSSELS BELGIUM
AUTORADIOGRAPHICAL STUDY OF METABOLISM OF NUCLEIC ACIDS AND
OF PROTEINS OF NEURULAS OF BATRACHIANS TREATED WITH BETA-
MERCAPTOETHANOL
ACTA EMBRYOL MORPHOL EXPER 57-70
BY OLIVIER J DDC NR.
BRACHET J<P.I.> CONTRACT NR. AF 61<052>-356
PROJ/TASK NR. 9777-03

AFOSR 4178
PISA UNIV OF ITALY
PALPEBRAL ASYMMETRY IN THE DARK ADAPTED OWL <ATHENE NOCTUA>
FOLLOWING UNILATERAL IRREVERSIBLE VISUAL DEAFFERENTATION
ARCH ITAL BIOL 100 240-258 1962
BY BERLUCCHI G DDC NR.
STRATA P CONTRACT NR. AF 61<052>-107
PROJ/TASK NR. 9777-01

AFOSR 4179
LYONS UNIV FRANCE
RESEARCH ON THE NERVOUS STRUCTURES AND THE MECHANISMS
RESPONSIBLE FOR THE DIFFERENT PHASES OF PHYSIOLOGICAL SLEEP
ARCH ITAL BIOL 100 125-206 1962
BY JOUVET M DDC NR.
CONTRACT NR. AF 61 <052>-109
PROJ/TASK NR. 9778-37708

AFOSR 4180
CAMBRIDGE UNIV LONDON
EFFECTS OF STIMULATION OF FRONTAL CORTEX AND HIPPOCAMPUS ON BEHAVIOR IN THE MONKEY
BRAIN 85 487-504 1962
BY WEISKRANTZ L
MIHAILOVIC L J
GROSS C G
DDC NR.
CONTRACT NR. AF 61<052>-185
PROJ/TASK NR. 9778-37708

AFOSR 4181
COTTINGEN UNIV OF GERM
RADIO-TRANSMITTED UNIT ACTIVITY IN THE BRAIN-STEM OF CONSCIOUS, UNRESTRAINED CATS FINAL REPORT 1962
BY VON BAUMGARTEN R
DDC NR. 292972
CONTRACT NR. AF 61<052>-470
PROJ/TASK NR. 9777-01

AFOSR 4182
CHICAGO UNIV OF ILL
THE RELATIONAL APPROACH TO BIOLOGY FINAL REPORT
BY ROSEN R
DDC NR.
CONTRACT NR. AF 49<638>-917
PROJ/TASK NR. 9777-04

AFOSR 4183
ARGICULTURAL UNIV WAGEININGEN NETHERLANDS
STRONGLY CAROTENOID-DEFICIENT CHROMATIUM-STRAIN D CELLS WITH NORMAL BACTERIOCHLOROPHYLL ABSORPTION PEAKS IN THE 800-850 MU REGION
NATURE 196 593-594 7AY 1962
BY WASSINK E C
KRONENBERG G H M
DDC NR.
CONTRACT NR. AF 61<052>-270
PROJ/TASK NR. 9777-05

AFOSR 4184
UNIVERSITY COLLEGE GALWAY IRELAND
THE STRUCTURE OF TH EPHYCOBILINS FINAL REPORT
BY O-HEOCHA
DDC NR. 292679
CONTRACT NR. AF 61 <052>-409
PROJ/TASK NR. 9777-05

AFOSR 4185
MARSEILLE UNIV OF FRANCE
SOME NEUROPHYSIOLOGICAL MECHANISM OF MOTOR CONTROL STUDIED IN MAN BY MONOSYNAPTIC TESTING 1962
BY PAILLARD J
DDC NR. 292919
CONTRACT NR. AF 61<052>-95
PROJ/TASK NR. 9777-37700

AFOSR 4186
WEIZMANN INST SCI REHOVOTH ISRAEL
PREPARATION, PROPERTIES, AND APPLICATIONS OF SOME WATER-INSOLUBLE DERIVATIVES OF PROTEOLYTIC ENZYMES
POLYAMINO ACIDS, POLYPEPTIDES AND PROTEINS, MARK A STAHMANN ED UNIV OF WISC PRESS 1962 PP 283-289
BY KATCHALSKI E
DDC NR.
CONTRACT NR. AF 61<052>-391
PROJ/TASK NR. 9777-03

AFOSR 4187
SHEFFIELD UNIV OF ENGLAND
THE OXIDATION OF REDUCED FLAVIN MONONUCLEOTIDE BY MOLECULAR OXYGEN
BIOCHEM J 83 368-377 1962
BY GIBSON Q H
HASTINGS J W
DDC NR.
CONTRACT NR. AF EOAR-61-2
PROJ/TASK NR. 9777-05

AFOSR 4188
UNIVERSITY COLLEGE GALWAY IRELEAND
METHIONINE, THE N-THERMINAL AMION-ACID OF PHYCOERYTHRINS
NATURE 195 173-174 JUL 1962
BY O-CARRA P
O-HEOCHA C
DDC NR.
CONTRACT NR. AF 61 <052>-409
PROJ/TASK NR. 9777-05

AFOSR 4189
GENOVA UNIV OF ITALY
ELECTROPHYSIOLOGICAL STUDY OF THE NEURAL MECHANISMS OF SLEEP FINAL REPORT OCT 1962
BY ROSSI G F
DDC NR. 292999
CONTRACT NR. AF 61<052>-461
PROJ/TASK NR. 9777-01

AFOSR 4190
LEICESTER UNIV OF ENGLAND
THE METABOLISM OF SIMPLE CARBON COMPOUNDS IN MICRO-ORGANISMS FINAL REPORT 1962
BY KRONBERG H L
DDC NR. 292926
CONTRACT NR. AF EOAR 61-12
PROJ/TASK NR. 9777-03

AFOSR 4191
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
EFFECTS OF EARLY PERCEPTUAL RESTRICTION ON SIMPLE VISUAL DISCRIMINATIO
SCI 137 978-979 SEP 1962
BY HELZACK R
DDC NR.
CONTRACT NR. AF 49<638>-989
PROJ/TASK NR. 9777-37700

AFOSR 4192
WEIZMANN INST OF SCIE REHOVOTH ISRAEL
PREPARATION AND CHARACTERIZATION OF POLYTYROSYL TRYPSIN
BIOL CHEM 237 1832-1838 JUN 1962
BY GLAZER A N
BAR-ELI A
KATCHALSKI E
DDC NR.
CONTRACT NR. AF 61<052>-391
PROJ/TASK NR. 9777-03

AFOSR 4193
UPPSALA UNIV SWEDEN
MORPHOLOGICAL STUDIES ON PERIPHERAL NERVES EXPOSED TO A BEAM OF HIGH ENERGY PROTONS
ACTA PATH ET MICROBOL SUPPL. 154 80-81 1962
BY BERGSTRAND R
LARSSON B<P.I.>
DDC NR.
CONTRACT NR. AF 61<052>-183
PROJ/TASK NR. 9777-01

AFOSR 4194
ST. BARTHOLOMES-S HOSPITAL LONDON ENGLAND
AN ESERINE-LIKE ACTION OF CHLORAL HYDRATE
BR J PHARMACOL CHEMOTHERAPY 19 111-119 AUG 1962
BY BROWN D A
QUILLIAM J P<P.I.>
DDC NR.
CONTRACT NR. AF 61<052>-25
PROJ/TASK NR. 9777-37700

AFOSR 4195
IST NAZIONALE DI OTTICA FLORENCE, ITALY
TRAINING AND RETINAL LOCATION AFFECTING THE PERIODIC FLUCUATION OF APPARENT BRIGHTNESS DURING PROLONGED FIXATION
ATTI D- FONDAZIONE GIORGIO RONCHI 396-404 JUL-AUG 1962
BY CONTICELLI M
RONCHI V<P.I.>
DDC NR.
CONTRACT NR. AF EOAR 61-34
PROJ/TASK NR. 9777-04

AFOSR 4196
IST NAZIONALE DI OTTICA FLORENCE, ITALY
ADAPTATIONAL EFFECTS AT PHOTOPIC AND MESOPIC LUMINANCES AS A FUNCTION OF CONTRAST
ATTI D- FONDAZIONE GIORGIO RONCHI 17 185 196 MAR APR 1962
BY RONCHI L
ERCOLES A M
DDC NR.
CONTRACT NR. AF EOAR 61-34
PROJ/TASK NR. 9777-04

AFOSR 4197
IST NAZIONALE DI OTTICA FLORENCE ITALY
ON THE SHARPNESS OF DEFOCUSSED CONTOURS
ATTI D- FONDAZIONE GIORGIO RONCHI 17 405-411 JUL-AUG 1962
BY RONCHI L
ADACHI I
RONCHI V<P.I.>
DDC NR.
CONTRACT NR. AF EOAR 61-34
PROJ/TASK NR. 9777-04

AFOSR 4198
IST NAZIONALE DI OTTICA FLORENCE ITALY
ADAPTATION AND TRAINING EFFECTS IN ERF I LONG-TERM ADAPTATION
ATTI D FONDAZIONE GIORGIO RONCHI 17381-386 JUL AUG 1962
BY FREEDMAN S J
RONCHI L
RONCHI V<P.I.>
DDC NR.
CONTRACT NR. AF EOAR 61-34
PROJ/TASK NR. 9777-04

AFOSR 4199
IST NAZIONALE DI OTTICA FLORENCE ITALY
SUBJECTIVE SHARPNESS AND CONTRAST THRESHOLD
ATT DI FONDAZIONF GIORGIO RONCHI 17 387-395 JUL-AUG 1962
BY BITTINI M
RONCHI V<P.I.>
DDC NR.
CONTRACT NR. AF EOAR 61-34
PROJ/TASK NR. 9777-04

AFOSR 4200
CAMBRIDGE UNIV OF ENGLAND
SELECTION OF NEST MATERIAL BY FEMALE CANARIES
ANIMAL BEH 10 67-75 JAN-APR 1962
BY HINDE R A
STEEL E A
THORPE W H<P.I.>
DDC NR.
CONTRACT NR. AF EOAR 62-44
PROJ/TASK NR. 9777-04

AFOSR 4201
MAUDSLEY HOSPITAL LONDON ENGLAND
SEXUAL DIFFERENTIATION OF THE BRAIN AND ITS EXPERIMENTAL CONTROL
J C
J PHYSIOL 163 42-43 1962
BY HARRIS G W
LEVINE S
DDC NR.
CONTRACT NR. AF 61<052>-454
PROJ/TASK NR. 9777-02

AFOSR 4202
GOEEBORG UNIV OF SWEDEN
NEW EVIDENCE FOR THE LOCALIZATION OF NORADRENALIN IN THE ADRENERGIC NERVE TERMINALS
MED EXPER 6 169-172 1962
BY FALCK B
TORP A
CARLSSON A<P.I.>
DDC NR.
CONTRACT NR. AF EOAR 61-44
PROJ/TASK NR. 9 77-01

AFOSR 4203
CAMBRIDGE UNIV OF ENGLAND
NEUROVASCULAR CONTROL OF OXYGEN TENSION IN THE TESTIS AND EPIDIDYMIS
J REPROD FERTIL 377-395 1962
BY CROSS B A
SILVER I A
DDC NR.
CONTRACT NR. AF 61<052>-301
PROJ/TASK NR. 9777-02

AFOSR 4204
IST NAZIONALE DI OTTIC FLORENCE ITALY
ON THE VARIABLIITY OF THE RATES OF RISE AND DECAY OF THE SCOTOPIC B-WAVE
ATTI DELLA FONDAZIONE GIORGIO RONCHI 362-365 JUL-AUG 1961
BY ERCOLES A M
MASCI E
RONCHI V <P.I.>
DDC NR.
CONTRACT NR. AF EOAR-61-34
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AFOSR 4205
FREE UNIV OF BRUSSELS BELGIUM
EFFECTS OF TEMPERATURE ON THE [illegible]ES OF DEVELOPMENT OF A BACTERIOPHAGE
ARCH INT PHYSIOL ET DE BIOCHEM 70 404-405 1962
BY LECOINTE-HARDT J
THOMAS R
DDC NR.
CONTRACT NR. AF EOAR 62-17
PROJ/TASK NR. 9777-03

AFOSR 4206
OHIO STATE UNIV COLUMBUS
INDUCED COLLABORATION IN SOME NON-ZERO SUM GAMES
J CONFLICT RESOLUTION 6 335-340 DEC 1962
BY SCODEL A
DDC NR. 287838
CONTRACT NR. AF 49<638>-317
PROJ/TASK NR. 9778-37707

AFOSR 4207
DUKE UNIV DURHAM N CARL
THE AXISYMMETRIC BOUSSINESQ PROBLEM FOR A HEATED PUNCH
J MATH & MECH 11 665-690 SEP 1962
BY GEORGE D L
SNEDDON I N
GERGEN J J<P.I.>
DDC NR.
CONTRACT NR. AF 49<638>-892
PROJ/TASK NR. 9769-37650

AFOSR 4208
POLYTECHNIC INST OF BROOKLYN N Y
A STABILITY CHARACTERIZATION OF THE RECIPROCAL LINEAR PASSIVE N PORT
PROC. IRE 47 JUN 1959
BY YOULA D DDC NR.
TRUPVAL J G<P.I.> CONTRACT NR. AF 18(603)-105
PROJ/TASK NR. 9768-37650

AFOSR 4209
POLYTECHNIC INST OF BROOKLYN NY
PHYSICAL REALIZABILITY CRITERIA
IRE INT CONVEN RECORD PART 2 181-199 1960
BY YOULA D C DDC NR.
TRUPAL J G <P.I.> CONTRACT NR. AF 18(603)-105
TRUPAL J G <P.I.> CONTRACT NR. AF 18(600)-1505
PROJ/TASK NR. 9768-37650

AFOSR 4210
POLYTECHNIC INST OF BROOKLYN N Y
BOUNDED REAL SCATTERING MATRICES AND THE FOUNDATIONS OF LINEAR PASSIVE NETWORK THEORY
IRE TRANS CIRCUIT THEORY CT-6 102-124 MAR 1959
BY YOULA D C DDC NR.
CASTRIOTA L J CONTRACT NR. AF 18(603)-105
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CARLIN H J PROJ/TASK NR. 9768-37650
TRUPAL J G<P.I.>

AFOSR 4211
POLYTECHNIC INST OF BROOKLYN NY
CASCADE SYNTHESIS OF NONRECIPROCAL LOSSLESS 2-PORTS
IRE TRANS. PROF. GP. ON CIRCUIT THEORY CT-9 48-55 MAR 1962
BY RUBIN W L DDC NR.
CARLIN H J CONTRACT NR. AF 18(603)-105
TRUXAL J G<P.I.> PROJ/TASK NR. 9768-37650

AFOSR 4212
STANFORD UNIV CALIF
STATIONARITY EQUATIONS IN CONTINUOUS TIME MARKOV CHAINS JUL 1962
BY MILLER JR R G DDC NR.
CONTRACT NR. NONR 225(52)
PROJ/TASK NR.

AFOSR 4213
MARYLAND UNIV COLLEGE PARK
A PRIORI BOUNDS ON THE DISCRETIZATION ERROR IN THE NUMERICA SOLUTION OF THE DIRICHLET PROBLEM AUG 1962
BY BRAMBLE J H DDC NR. 290322
HUBBARD B E CONTRACT NR. AF 49(638)-228
WEINSTEIN A<P.I.> PROJ/TASK NR. 9783-37727

AFOSR 4215
CALIFORNIA INST OF TECHNOLOGY PASADENA
STOKES FLOW PAST AN AXIALLY SYMMETRIC BODY IN A CYLINDRICAL TUBE IN THE PRESENCE OF A MAGNETIC FIELD
J MATH AND PHYS 40 209-219 OCT 1961
BY CHANG I D DDC NR.
LAGERSTROM P A<P.I.> CONTRACT NR. AF 49(638)-521
PROJ/TASK NR. 9783-37727

AFOSR 4216
CALIFORNIA INST. OF TECHNOLOGY PASADENA
NAVIER-STOKES SOLUTIONS AT LARGE DISTANCES FROM A FINITE BODY
J MATH AND MECH 10 811-876 NOV 1961
BY CHANG I D DDC NR.
LAGERSTROM P A<P.I.> CONTRACT NR. AF 49(638)-521
PROJ/TASK NR. 9783-37727

AFOSR 4217
COLUMBIA UNIV NY
RESEARCH INVESTIGATIONS IN CONTROL SYSTEMS FINAL REPORT SEP 1962
BY KRANC G M DDC NR.
CONTRACT NR. AF 49(638)-998
PROJ/TASK NR. 9768-37650

AFOSR 4218
CALIFORNIA UNIV OF LOS ANGELES
THE USE OF THE TECHNIQUE OF LINEAR BOUNDS FOR APPL ING THE DIRECT METHOD OF LIAPUNOV TO A CLASS OF NONLINEAR AND TIME VARYING SYSTEMS
INT FED AUTOMATIC CONTROL GENOVA SWITZERLAND 1963
BY NESBIT R A DDC NR. 292302
LEONDES C I<P.I.> CONTRACT NR. AF AFOSR 62-68
PROJ/TASK NR. 9783-02

AFOSR 4219
CALIFORNIA UNIV OF LOS ANGELES
THE PROBLEM OF OPTIMAL MODE SWITCHING, SEPT 10 1962
PROC OTIMUM SYSTEM SYNTHESIS CONF W-O-AFB
BY NESBIT R A DDC NR. 293152
LEONDES C I<P.I.> CONTRACT NR. AF AFOSR 62-68
PROJ/TASK NR. 9783-02

AFOSR 4220
CALIFORNIA UNIV OF LOS ANGELES
A PARAMETER TRACKING SERVO FOR ADAPTIVE CONTROL SYSTEMS
IRE TRANS AUTOMATIC CONTROL AC-4 100-111 NOV 1959
BY MARGOLIS M DDC NR.
LEONDES C T CONTRACT NR. AF 49(638)-638
ESTRIN E<P.I.> PROJ/TASK NR. 9783-37726

AFOSR 4221
CALIFORNIA UNIV OF LOS ANGELES
SIGNAL FLOW GRAPH THEORY FOR LINEAR TIME-VARIABLE SYSTEMS
TRANS COMM & ELECTRONICS 58 699-701 JAN 1962
BY STEAR E B DDC NR.
STUBBERUD A R CONTRACT NR. AF 49(638)-638
ESTRIN E<P.I.> PROJ/TASK NR. 9783-37726
LEONDES C T <P.I.>

AFOSR 4222
CALIFORNIA UNIV OF LOS ANGELES
A STATISTICAL MEASURE OF THE EFFECTIVENESS OF ADAPTATION IN CONTROL SYSTEMS
1961 IRE INT CONV RECORD PT 4 18-24 MAR 1961
BY NESBIT R A DDC NR.
LEONDES C T<P.I.> CONTRACT NR. AF AFOSR 62-68
PROJ/TASK NR. 9783-02

AFOSR 4223
ILLINOIS UNIV OF URBANA
PROPERTIES OF SOME ALL-POLE TRANSFER FUNCTIONS
BY CALAHAN D A DDC NR.
VAN VALKENBURG M E<P CONTRACT NR. AF AFOSR 62-126
PROJ/TASK NR. 9768

AFOSR 4224
UNIVERSITY COLLEGE CORK IRELAND
THE LOMBDA METHOD FOR SKEW PLATES
BY QUINLAN P M DDC NR.
CONTRACT NR. AF EOAR 61-4
PROJ/TASK NR. 9752-37522

AFOSR 4225
MARYLAND UNIV OF COLLEGE PARK
COMPOSITION FORMULAS IN GENERALIZED AXIALLY SYMMETRIC POTENTIAL THEORY OCT 1962
BY GILBERT R P DDC NR.
CONTRACT NR. AF AFOSR 62-454
PROJ/TASK NR. 9783-37727

AFOSR 4226
MASSACHUSETTS INST OF TECHNOLOGY-CAMBRIDGE
A HIGH PERFORMANCE D.C. MAGNET UTILIZING AXIAL COOLED DISCS
SEP 1962
BY BRECHNA H DDC NR. 290778
MONTGOMERY D B CONTRACT NR. AF 19(604)-7344
BITTER F<P.I.> PROJ/TASK NR. 9764-37641
LAX B<P.I.>

AFOSR 4227
CATHOLIC UNIV OF AMERICA WASH. D.C.
QUANTUM MECHANICAL STUDY OF THE HYDROGEN BIMOLECULAR EXCHANGE REACTION
J. CHEM. PHYS 36 1389-1394 MAR 1962
BY RUFFA, A. P. DDC NR.
GRIFFING, V. CONTRACT NR. AF 49(638)-906
PROJ/TASK NR. 9751-37511

AFOSR 4228
WISCONSIN UNIV OF MADISON
METABOLIC CONTROL OF B-GLUCOSIDASE SYNTHESIS IN YEAST
J BACTERIOL 84 23-30 JUL 1962
BY MACQUILLAN A M DDC NR.
HALVORSON H O CONTRACT NR. AF 49(638)-314
PROJ/TASK NR. 9777-37702

AFOSR 4229
WISCONSIN UNIV OF MADISON
PHYSIOLOGICAL CHANGES OCCURRING I YEAST UNDERGOING GLUCOSE REPRESSION
J BACTERIOL 84 31-36 JUL 1962
BY MACQUILLAN A M DDC NR.
HALVORSON H O CONTRACT NR. AF 49(638)-314
PROJ/TASK NR. 9777-37702

AFOSR 4230
WISCONSIN UNIV OF MADISON
THE ROLE OF A LARGE PARTICLE FRACTION FROM YEAST IN PROTEIN SYNTHESIS
BIOCHIM & BIOPHYS ACTA 61 101-107 1962
BY MAUGE J G DDC NR.
HALVORSON H O CONTRACT NR. AF 49(638)-314
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AFOSR 4231
WISCONSIN UNIV OF MADISON
ELECTRON TRANSPORT IN SPORE GERMINATION
J GEN PHYSIOL 45 601A JAN 1962
BY HALVORSON H O DDC NR.
CONTRACT NR. AF 49(638)-314
PROJ/TASK NR. 9777-37702

AFOSR 4232
WISCONSIN UNIV OF MADISON
THE FUNCTION AND CONTROL OF INTRACELLULAR PROTEIN TURNOVER IN MICROORGANISMS
AMINO ACID POOLS ELSEVIER PUBL CO AMSTERDAM 646-654
BY HALVORSON H O DDC NR.
CONTRACT NR. AF 49(638)-314
PROJ/TASK NR. 9777-37702

AFOSR 4233
MASSACHUSETTS INST. OF TECHNOLOGY, CAMBRIDGE
STATISTICAL THERMODYNAMICS FINAL REPORT SEP 1962
BY TISZA, L. DDC NR. 292906
CONTRACT NR. AF 49(638)-95
PROJ/TASK NR. 9751-37511

AFOSR 4234
MICHIGAN UNIV OF ANN ARBOR
ABUNDANCES OF ELEMENTS IN STARS AND NEBULAE FINAL REPORT
SEP 1962
BY ALLER, L. H. DDC NR. 292680
CONTRACT NR. AF 49(638)-807
PROJ/TASK NR. 9774-01

AFOSR 4235
PISA, UNIV OF, ITALY
RESEARCHES ON PSEUDOCONVEX AND PSEUDOCONCAVE COMPLEX SPACES
NOV 1962
BY ANDREOTTI, A. DDC NR. 292904
CONTRACT NR. AF EOAR 62-35
PROJ/TASK NR. 9783-03

AFOSR 4236
MILAN UNIV OF ITALY
CATALYTIC DECOMPOSITION OF ACID HYDROGEN PEROXIDE SOLUTIONS ON PLATINUM, IRIDIUM, PALLADIUM AND GOLD SURFACES
ELECTROCHIM ACTA 7 457-463 JUL AUG 1962
BY BIANCHI G
MAZZA F
MUSSINI T
DDC NR.
CONTRACT NR. AF 61(052)-260
PROJ/TASK NR. 9761-37610

AFOSR 4237
MILAN UNIV OF ITALY
ABOUT THE ELECTROCHEMICAL BEHAVIOR OF OXYGEN AND HYDROGEN PEROXIDE ON MAGNETITE ELECTRODES
BY BIANCHI B
CAPRIOGLIO G
DAVOLIO G
MAZZA F
MUSSINI T
DDC NR.
CONTRACT NR. 61(052)-260
PROJ/TASK NR. 9761-37610

AFOSR 4238
TRAINING CENTER EXPERIMENTAL AERODYNAMICS BRUSSELS BELGIUM
LAMINAR SEPARATION IN SUPERSONIC FLOW
FINAL REPORT SEP 1962
BY GINOUX J. J.
DDC NR. 292901
CONTRACT NR. AF EOAR 62-52
PROJ/TASK NR. 9781-01

AFOSR 4239
MASSACHUSETTS INST OF TECHNOLOGY CAMBRIDGE
A STUDY OF THE MECHANICS FOR OPTIMIZATION OF CELESTIAL TRAJECTORIES FINAL REPORT NOV 1962
BY SANDORFF P E
DDC NR.
CONTRACT NR. AF 49(638)-363
PROJ/TASK NR. 9783-37726

AFOSR 4240
FREE UNIV OF BRUSSELS BELGIUM
THE EFFECTS OF BETA MERCAPTOETHANOL ON THE INCORPORATION OF PRECURSORS OF PROTEINS AND OF NUCLEIC ACIDS IN THE LIVER AND INTESTINE OF MICE
EXPER CELL RSCH 27 539 547 1962
BY BRACHET J
JONCKHEERE M
DDC NR.
CONTRACT NR. AF 61(052)-356
PROJ/TASK NR. 9777-03

AFOSR 4242
PIZA UNIV OF ITALY
A METHOD FOR THE QUANTIFICATION OF TONIC ACTIVITY IN THE NERVOUS SYSTEM
ARCH ITAL BIOL 100 415 424 1962
BY ARDUINI A
PINNEO L E
MORUZZI G
DDC NR.
CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-01

AFOSR 4243
PIZZA UNIV OF ITALY
PROPERTIES OF THE RETINA IN RESPONSE TO STEADY ILLUMINATION
ARCH ITAL BIOL 100 425 448 1962
BY ARDUINI A
PINNEO L R
MORUZZI G
DDC NR.
CONTRACT NR. AF 61(052)-107
PROJ/TASK NR. 9777-01

AFOSR 4244
UNIVERSITY COLLEGE GALWAY IRELAND
THE PHYCOBILINS
BIOCHEM J 85 2 3 1962
BY O EOCHA C
DDC NR.
CONTRACT NR. AF 61(052)-409
PROJ/TASK NR. 9777-05

AFOSR 4245
CORNELL UNIV, ITHACA NY
A PERIODIC BOUNDARY-LAYER IN MAGNETOHYDRODYNAMICS
J. FLUID MECH. 13 519-528 1962
BY TURCOTTE, D. L.
LYONS, J. M.
SEARS, W. R.<P.I.>
DDC NR.
CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR 4246
CORNELL UNIV ITHACA N Y
ON SIMILAR SOLUTIONS FOR STRONG BLAST WAVES AND THEIR APPLICATION TO STEADY HYPERSONIC FLOW
J AEROSPACE SCI. 29,#694-701, JUNE 1962
BY BROCHER E. F.
SEARS, W. R.<P.I.>
DDC NR.
CONTRACT NR. AF 49(638)-544
PROJ/TASK NR. 9781-37712

AFOSR 4247
CORNELL UNIV ITHACA N Y
TRANSONIC FLOW OF A PERFECTLY CONDUCTING GAS WITH ALIGNED MAGNETIC FIELD
PHYS. FLUIDS 5,#871-878, AUG. 1962
BY TAMADA K.
SEARS, W. R.<P.I.>
DDC NR.
CONTRACT NR. AF 49(638)-674
PROJ/TASK NR. 9781-37713

AFOSR 4248
CORNELL UNIV ITHACA N Y
FLOW OF A SLIGHTLY CONDUCTING FLUID PAST A CIRCIRCULAR CYLINDER WITH STRONG, ALIGNED FIELD MAGNETIC
PHYS. FLUIDS 5,#817-823, JUL 1962
BY TAMADA K.
DDC NR.
CONTRACT NR. AF 49(638)-674
PROJ/TASK NR. 9781-37713

AFOSR 4249
ABERDEEN UNIV OF OLD ABERDEEN SCOTLAND
THE DEHYDRATION OF HEMIMORPHITE
AMER MINERALOGIST 47 932 944 1962
BY TAYLOR H F W
DDC NR.
CONTRACT NR. AF 61(052)-278
PROJ/TASK NR. 9760-37601

AFOSR 4250
MINNEAPOLIS HONEYWELL REGULATOR CO MINNEAPOLIS MINN
GROUP THEORY AND THE ENERGY BAND STRUCTURE OF SEMICONDUCTORS
PROC IRE 50 1762 1781 AUG 1962
BY NUSSBAUM A
MORRISON S R
DDC NR.
CONTRACT NR. AF 49(638)-597
PROJ/TASK NR. 9761-37611

AFOSR 4251
ILLINOIS UNIV OF URBANA
EMISSIVITIES OF NIOBIUM COLUMBIUM AND NIOBIUM-NITROGEN SOLIDS SOLUTIONS
TRANS METAL SOC AIME 1962
BY COST J R
WERT C
DDC NR.
CONTRACT NR. AF 49(638)-672
PROJ/TASK NR. 9760-37601

AFOSR 4252
ILLINOIS UNIV OF URBANA ILL
PHOTOCHEMISTRY OF THE V1 CENTER
PHYS REV 122 772 778 MAY 1961
BY KINGSLEY J D
MAURER R J
DDC NR.
CONTRACT NR. AF 49(638)-529
PROJ/TASK NR. 9760-37601

AFOSR 4253
ILLINOIS UNIV OF URBANA
PHOTOCONDUCTION IN KBR AND KI CONTAINING F CENTERS
PHYS REV 106 898 903 JUN 1957
BY INCHAUSPE N
MAURER R J
DDC NR.
CONTRACT NR. AF 18(600)-662
PROJ/TASK NR. 9760-37601

AFOSR 4254
ILLINOIS UNIV URBANA
EFFECT OF LOW TEMPERATURE PLASTIC DEFORMATION UPON THE OPTICAL PROPERTIES OF ALKALI HALIDES
PHYS REV 107 981 987 JUL 1957
BY CHIAROTTI G
MAURER R J
DDC NR.
CONTRACT NR. AF 18(600)-662
PROJ/TASK NR. 9760-37601

AFOSR 4255
ILLINOIS UNIV URBANA
ELECTRON MOBILITY IN AGCI
PHYS REV 108 281 284 OCT 1957
BY BROWN F C
DART F E
MAURER R J
DDC NR.
CONTRACT NR. AF 18(600)-662
PROJ/TASK NR. 9760-37601

AFOSR 4256
ILLINOIS UNIV URBANA
SELF DIFFUSION AND ELECTRICAL CONDUCTIVITY IN SILVER BROMIDE
J PHYS CHEM SOLIDS 4 196 200 1958
BY MILLER A S
MAURER R J
DDC NR.
CONTRACT NR. AF 18(600)-662
PROJ/TASK NR. 9760-37601

AFOSR 4257
ILLINOIS UNIV OF URBANA
BLEACHING AND SYMMETRY PROPERTIES OF THE V A CENTER
J PHYS CHEM SOLIDS 233 949 953 1962
BY KINGSLEY J D
MAURER R J
DDC NR.
CONTRACT NR. AF 49(638)-529
PROJ/TASK NR. 9760-02

AFOSR 4258
MADRID UNIV SPAIN
TECHNIQUES FOR THE GROWTH OF LARGE SINGLE CRYSTALS OF ORGANIC SUBSTANCES
REV DE CIENCIA APLICADA
NO 83 489 494 NOV-DEC 1961
BY RIANO F
AMOROS J L
DDC NR.
CONTRACT NR. AF 61(052)-193
PROJ/TASK NR. 9760-37601

AFOSR 4259
MADRID UNIV OF SPAIN
STUDIES OF THE GROWTH AND FORMATION OF COLECULAR CRYSTALS VI DIFFUSE DIFFRACTION FROM DICARBOXILIC ACID SUCCINIC AND ADIPIC
P DEP CRIST MIN 3 15 25 1957
BY CANUT M L
AMOROS J L
DDC NR.
CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4260
MADRID UNIV OF SPAIN
STUDIES OF THE GROWTH AND FORMATION IN MOLECULAR CRYSTALS VII DIFFUSE DIFFRACTION FROM DICARBOXILIC ACID PINELIC
P DEP CRIST MIN 3 27 91 1957
BY CANUT M L
AMOROS J L
DDC NR.
CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4261
MADRID UNIV OS SPAIN
STUDIES OF THE GROWTH AND FORMATION IN MOLECULAR CRYSTALS V DIRECT DETERMINATION OF AMPLITUDE OF THERMAL OSCILLATION
P DEP CRIST MIN 3 5 13 1957
BY AMOROS J L
BELGRANO C
CANUT M L
DDC NR.
CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4262
MADRID UNIV OF SPAIN
ON THE X-RAY TEMPERATURE DIFFUES SCATTERING OF ANTHRACENE AND STEARIC ACID
J PHYS SOC JAPAN 15 356 357 1960
BY ANNAKA S
AMOROS J L
DDC NR.
CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4263
MADRID UNIV SPAIN
THERMAL AGITATION IN MOLECULAR CRYSTALS DIFFUSE X-RAY SCATTERING BY ACRIDINE III
BULL SOC FRANC MINER CRIST 84 40 50 1961
BY AMOROS J L
DE ACHA A
CANUT M L
DDC NR.
CONTRACT NR. AF 61(052)-193
PROJ/TASK NR. 9760-37601

AFOSR 4264
MADRID UNIV OF SPAIN
APPLICATION OF THE FOURIER TRANSFORM IN THE STUDY OF DIFFUSE THERMAL DIFFRACTION OF MOLECULAR CRYSTALS
BOL R SOC ESP HIST NAT 56 305 322 1958
BY AMOROS J L — DDC NR.
CANUT M L — CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4265
MADRID UNIV OF SPAIN
LATTICE DYNAMICS IN MOLECULAR CRYSTALS PART VIII
DIFFUSE THERMAL DIFFRACTION IN HEXALAMINE C6H12N4
BOL R SOC ESP HIST NAT 56 323 338 1958
BY CANUT M L — DDC NR.
AMOROS J L — CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4266
MADRID UNIV OF SPAIN
THE EFFECT OF INDEPENDENT MOLECULAR VIBRATIONS ON DIFFUSE THERMAL DIFFRACTION
BOL R SOC ESP HIST NAT 57 43 58 1960
BY CANUT M L — DDC NR.
AMOROS — CONTRACT NR. AF 61(052)-193
PROJ/TASK NR. 9760-37601

AFOSR 4267
MADRID UNIV OF SPAIN
ON THE X-RAY DIFFUSE SCATTERING OF ANTHRACENE
ZEIT KRISTAL 114 429 438 1960
BY ANNAKA S — DDC NR.
AMOROS J L — CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4268
MADRID UNIV OF SPAIN
INTERPRETATION OF THE EXTENDED CONTINOUS FIDDUSE REGIONS OF X-RAY THERMAL DIFFUSE SCATTERING OF MOLECULAR CRYSTALS
ZEIT KRIST 114 39 65 1960
BY AMOROS J L — DDC NR.
CANUT M L — CONTRACT NR. AF 61(514)-1146
DEACHA A — PROJ/TASK NR. 9763-37631

AFOSR 4269
MADRID UNIV SPAIN
LOW TEMPERATURE INVERSION PHENOMENON IN DIFFUSE DIFFRACTION
BOL R SOC ESP HIST NAT 59 41 48 1961
BY VALDES L M — DDC NR.
CANUT M — CONTRACT NR. AF 61(052)-193
AMOROS, J. L. — PROJ/TASK NR. 9760-37601

AFOSR 4270
MADRID UNIV SPAIN
THE FORMATION OF WHISKERS AND OTHER PARTICULARS IN THE GROWTH OF MONOPOTASSIUM PHOSPHATE
BOL R SOC ESP HIST NAT 59 157 166 1961
BY AMOROS J L — DDC NR.
RIANO F — CONTRACT NR. AF 61(052)-193
ALONSO J J — PROJ/TASK NR. 9760-37601

AFOSR 4271
MADRID UNIV OS SPAIN
X-RAY THERMAL DIFFUSR SCATTERING IN AZELAIC AND PIMELIC ACIDS
INDIAN J PHYS 35 62 76 FEB 1961
BY BANERJEE R L — DDC NR.
CANUT M L — CONTRACT NR. AF 61(052)-193
AMOROS J L — PROJ/TASK NR. 9760-37601

AFOSR 4272
MADRID UNIV SPAIN
TEMPERATURE DEPENDENCE OF THE X-RAY DIFFUSE SCATTERING OF MOLECULAR CRYSTALS NAPHTHALENE
J PHYS CHEM SOLIDS 21 146 155 1961
BY CANUT M L — DDC NR.
AMOROS J L — CONTRACT NR. AF 61(052)-193
PROJ/TASK NR. 9760-37601

AFOSR 4273
MADRID UNIV OF SPAIN
ON THE INVERSION TEMPERATURE FUNCTION OF THE FIRST ORDER ONE PHONON SCATTERING AND THE DETERMINATION OF DEBYE CHARACTERISTIC TEMPERATURES
PROC PHYS SOC 77 717 720 1961
BY CANUT M L — DDC NR.
AMOROS J L — CONTRACT NR. AF 61(514)-1146
PROJ/TASK NR. 9763-37631

AFOSR 4274
TEXAS UNIV OF AUSTIN
PREPARATION OF DEUTERATED BUTANES, AUG 1962
BY IJAM M. J. — DDC NR.
HATCH L. F. — CONTRACT NR. AF 18(603)-142
MATSEN F. A. — PROJ/TASK NR. 9751-37510

AFOSR 4275
OXFORD UNIV OF ENGLAND
OBSERVATIONS ON THE ENZYMIC OXIDATION OF A AMINO ACIDS
ARCH INT PHARMACODY 139 120 123 SEP 1962
BY BALSCHED H — DDC NR.
KIRPEDAR S M — CONTRACT NR. AF 61(052)-235
PHIPPS S D — PROJ/TASK NR. 9777-01

AFOSR 4276
QUEEN MARY COLLEGE LONDON ENGALND
PHOTOSYNTHESIS UNDER SUB OPTIMAL CONDITIONS
FINAL REPORT 1962
BY — DDC NR. 292025
CONTRACT NR. AF 61(052)-245
PROJ/TASK NR. 9777-05

AFOSR 4277
CAMBRIDGE UNIV OF ENGLAND
SOME FACTORS AFFECTING OXGEN TENSION IN THE BRAIN AND OTHER ORGANS
PROC ROY SOC B 156 483 499 1962
BY CROSS B A — DDC NR.
SILVER I A — CONTRACT NR. AF 61(052)-301
PROJ/TASK NR. 9777-02

AFOSR 4278
CHICAGO UNIV OF ILL
SPECTRAL LINE SHAPES AND TRANSITION PROBABILITIES FOR ARGON
J QUANT SPECT RADIAT TRANSFER 2 305 307 1962
BY DICKERMAN P J — DDC NR.
APLINER B P — CONTRACT NR. AF AFOSR 62-269
PROJ/TASK NR.

AFOSR 4279
OREGON UNIV EUGENE
THE CIRCULATION OF VECTOR FIELDS
BY SHAPIRO V L — DDC NR.
CONTRACT NR. AF AFOSR 62-82
PROJ/TASK NR. 9752-37522

AFOSR 4280
MINNESOTA UNIV OF MINNEAPOLIS
SOME PROBLEMS ON CONVEX FIGURES
BY GUGGENHEIMER H. W. — DDC NR.
CONTRACT NR. AF AFOSR 62-93
PROJ/TASK NR. 9769-01

AFOSR 4281
MICHIGAN, UNIV OF ANN ARBOR
KOSINSKI-S R-SPACES AND HOMOLOGY MANIFOLDS, OCT, 1962
BY LEE C. N. — DDC NR.
WILDER R. L. — CONTRACT NR. AF 49(638)-776
PROJ/TASK NR. 9783-37727

AFOSR 4282
GEORGIA UNIV ATHENS
AN EMPIRICAL INVESTIGATION OF SOME HYPOTHESES TAKEN FROM THE LONELY CROWD AUG 1962
BY ALEWINE J R — DDC NR. 289800
BOWERS R V — CONTRACT NR. AF 49(638)-806
PROJ/TASK NR. 9778-37707

AFOSR 4283
SAARLANDES UNIV GERMANY
EFFECTS OF ANXIETY LEVEL AND MILD SITUATIONAL STRESS ON ON VARIOUS PSYCHOLOGICAL FUNCTIONS
THE INTERRELATIONSHIPS AMONG THESE FUNCTIONS ANXIETY LEVEL AND OTHER PERSONALITY VARIABLES A MULTIVARIABLE AND FACTORIA STUDY FINAL REPORT AUG 1962
BY SPREEN O — DDC NR. 292795
CONTRACT NR. AF 61(052)-483
PROJ/TASK NR. 9778-37709

AFOSR 4284
OHIO STATE UNIV COLUMBUS OHIO
RARE EARTHS III A MASS SPECTROMETRIC INVESTIGATION OF THE ISOMOLECULAR OXYGEN EXCHANGE REACTIONS OF LANTHANUM CERIUM PRASEODYMIUN AND NEODYMIUM WITH THEIR MONOXIDES
J PHYS CHEM 65 1410 1413 1961
BY WALSH P N — DDC NR.
DEVER D F — CONTRACT NR. AF 49(638)-424
WHITE D — PROJ/TASK NR. 9760-37601
THURSTON M

AFOSR 4285
OHIO STATE UNIV COLUMBUS
RARE EARTHS II A MASS SPECTROMETRIC DETERMINATIIN OF THE HEATS OF SUBLIMATION OR VAPORIZATION OF NEODYMIUM PRASEODYMIUM GADOLINIUM TERBIUM DYSPROSIUM HOLMIUM ERBIUM AND LUTETIUM
J PHYS CHEM 65 1404 1409 1961
BY WHITE, D — DDC NR.
WALSH, P N — CONTRACT NR. AF 49(638)-424
GOLDSTEIN, H W — PROJ/TASK NR. 9760-37601
DEVER, D F
THURSTON, M<P.I.>

AFOSR 4286
OHIO STATE UNIV COLUMBUS
RARE EARTHS I VAPORIZATION OF LA2O3 AND ND 2O3 DISSOCIATION ENERGIES OF GASEOUS LAO & NDO
J PHY CHEM 65 1400 1404 1961
BY GOLDSTEIN H W — DDC NR.
WALSH P N — CONTRACT NR. AF 49(638)-424
WHITE D — PROJ/TASK NR. 9760-37601
THURSTON M

AFOSR 4287
ILLINOIS UNIV URBANA
ON THE EXCITED SPECTRUM OF ALKALI HALIDES
ZEIT PHYS 160 194 200 1960
BY FISCHER F — DDC NR.
MAURER R J — CONTRACT NR. AF 18(600)-662
PROJ/TASK NR. 9760-37601

AFOSR 4288
UPPSALA UNIV SWEDEN
HIGH INTENSITY PHOTOLYSIS STUDIES OF ACETONE AND SOME ALIPHATIC ALDEHYDES
ARKIV FOR KEMI 18 181,° 1961
BY WETTERMARK G. — DDC NR.
CLAESSON S. — CONTRACT NR. AF 61(052)-70
PROJ/TASK NR. 9751-37510

AFOSR 4289
NEW HAMPSHIRE, UNIV OF DURHAM
CONDUCTIVITY OF A WARM PLASMA
PHYS, REV. 116,°16-18,° OCT 1959
BY MOWER L. — DDC NR.
CONTRACT NR. AF 49(638)-687
PROJ/TASK NR. 9768-37650

AFOSR 4290
WISCONSIN UNIV OF MADISON
ANNUAL STATUS REPORT SEP 1961 TO AUG 1962 STUDIES ON THE COMPLEX PRECURSORS IN YEAST OF INDUCED ENZYMES
BY MALVORSON H O — DDC NR. 291146
CONTRACT NR. AF 49(639)-314
PROJ/TASK NR. 9777-03

AFOSR 6291
WISCONSIN UNIV OF MADISON
THE EFFECT OF GLUCOSE REPRESSION ON THE LEVEL OF RIBOSOMAL BOUND GLUCOSIDASE
BIOCHEM BIOPHYS RSCH COMMUNICATIONS 5 267 269 1961
BY HAUGE J G
MACQUILLAN A M
CLINE A L
HALVORSON H O
DDC NR.
CONTRACT NR. AF 49(638)-314
PROJ/TASK NR. 9777-03

AFOSR 6292
OXFORD UNIV OF ENGLAND
MICROBIAL GROWTH ON C1 COMPOUNDS 4 CARBOXYLATION OF PHOSPHOENOLPYRUVATE IN METHANOL GROWN PSEUDOMONAS AMI
BIOCHEM J 85 243 250 1962
BY LARGE P J
PEEL D
QUAYLE J R
DDC NR.
CONTRACT NR. AF 61(052)-180
PROJ/TASK NR. 9777-03

AFOSR 6293
STOCKHOLM UNIV OF SWEDEN
ETHOLOGICAL STUDIES OF LOCALIZED RADIOLESIONS IN THE CENTRAL NERVOUS SYSTEM 1962 FINAL REPORT
BY FABRICIUS E
DDC NR. 291145
CONTRACT NR. AF 61(052)-195
PROJ/TASK NR. 9777-04

AFOSR 6297
HULL UNIV ENGLAND
KINETICS OF HYDROGEN-OXYGEN AND HYDROCARBON-OXYGEN REACTIONS, FINAL REPORT 1962
BY BALDWIN R. R.
DDC NR. 291222
CONTRACT NR. AF EOAR 62-25
PROJ/TASK NR. 9751-97510

AFOSR 6298
CHICAGO UNIV OF ILL
NUCLEAR EMULSION STUDIES OF THE PROPERTIES OF HYPERNUCLEI. 1962 FINAL REPORT
BY LEVI SETTI R.
TELEGDI V. L.
DDC NR.
CONTRACT NR. AF 49(638)-209
PROJ/TASK NR. 9750-97500

AFOSR 6299
WASHINGTON UNIV ST LOUIS MO
INVESTIGATION ON THE PRIMARY COSMIC RADIATION 1962 FINAL REPORT
BY KLARMANN J
FEENBERG E
CONDON E U
DDC NR. 293911
CONTRACT NR. AF 49(638)-833
PROJ/TASK NR. 9751-97512

AFOSR 6302
MARYLAND UNIV COLLEGE PARK
ON A FINITE DIFFERENCE ANALOGUE OF AN ELLIPTIC BOUNDARY PROBLEM WHICH IS NEITHER DIAGONALLY DOMINANT NOR OF NON NEGATIVE TYPE DEC 1962
BY BRAMBLE J H
HUBBARD B E
DDC NR.
CONTRACT NR. AF AFOSR 62-454
PROJ/TASK NR. 9781-97727

AFOSR 6304
AERONAUTICAL RSCH ASSOCIATES OF PRINCETON, INC
SEP 1962 EXPERIMENTAL INVESTIGATION OF THE STRUCTURE OF VORTICES IN SIMPLE CYLINGRICAL VORTEX CHAMBERS
BY DONALDSON C D
SNEDEKER RS
DDC NR.
CONTRACT NR. AF 49(638)-255
PROJ/TASK NR. 9781-97712

AFOSR 6305
THE PENNSYLVANIA STATE UNIV UNIVERSITY PARK
METABOLISM OF SULFATE BY THE CHROMATIPHORE OF RHODOSPIRILLUM
BACTERIOL RA 491 459 SEP 1962
BY IRANEZ M L
LINDSTROM E S
BENSON A A
DDC NR.
CONTRACT NR. AF AFOSR 61-62
PROJ/TASK NR. 9777-05

AFOSR 6306
HEBREW UNIV JERUSALEM ISRAEL
NEW PARAMAGNETIC RESONANCE SPECTRA OF RARE EARTH IONS IN CALCIUM FLUORIDE NOV 1962
BY LOW W
ROSENBERGER U
DDC NR.
CONTRACT NR. AF 61(052)-99
PROJ/TASK NR. 9763-37631

AFOSR 6307
CORNELL UNIV ITHACA N Y
ANALYTICAL APPLICATIONS OF FLAME SPECTROSCOPY
FINAL REPORT 1962
BY COOKE W D
DDC NR.
CONTRACT NR. AF 49(638)-484
PROJ/TASK NR. 9763-37630

AFOSR 6308
CALIFORNIA UNIV BERKELEY
THE PROMISE AND PROBLEMS OF THE MATRIX ISOLATION METHOD FOR SPECTROSCOPIC STUDIES
SPECTROCHIM ACTA 12 94 96 1958
BY PIMENTEL G C
DDC NR.
CONTRACT NR. AF 49(638)-1
PROJ/TASK NR. 9763-37630

AFOSR 6309
CORNELL UNIV ITHACA N Y
BOND POLARIZABILITY COMPONENTS
J CHEM PHYS 33 634 635 AUG 1960
BY PLANE R A
DDC NR.
CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR 6310
CORNELL UNIV ITHACA N Y
NATURE OF THE METAL LIGAND BOND IN SOME COMPLEX CYANIDES FROM A STUDY OF RAMAN INTENSITIES
J CHEM PHYS 35 1027 1031 SEP 1961
BY CHANTRY G W
PLANE R A
DDC NR.
CONTRACT NR. AF 49(638)-279
PROJ/TASK NR. 9760-37600

AFOSR 6311
WASHINGTON STATE UNIV PULLMAN
REACTIONS OF NITRYL HALIDES NOV 1962 FINAL REPORT
BY RATEY JR H H
DDC NR.
CONTRACT NR. AF 49(638)-36
PROJ/TASK NR. 9760-9760-01

AFOSR 6312
NORTH CAROLINA UNIV OF CHAPEL HILL
STUDIES IN THE CHEMISTRY OF METAL CHELONATES
NOV 1962 FINAL REPORT
BY REILLEY C N
DDC NR.
CONTRACT NR. AF 49(638)-333
PROJ/TASK NR. 9763-37630

AFOSR 6313
MISSISSIPPI UNIV OF UNIVERSITY
A METHOD FOR SOLVING THE GENERAL FORMS OF THE GRUNWALD COBURN SPECTROPHOTOMETRIC EQUATIONS
J MISSISSIPPI ACAD SCI 8 237 240 1962
BY DE MAINE P A D
DDC NR.
CONTRACT NR. AF AFOSR 62-19
PROJ/TASK NR. 9763-9763-01

AFOSR 6314
MISSISSIPPI UNIV OF UNIVERSITY
QUANTITATIVE CRYOSCOPIC METHOD FOR TESTING SPECTROPHOTOMETRIC EVIDENCE OF REVERSIBLE ONE ONE COMPLEX FORMATION IN NON IDEAL SOLUTIONS
J MISSISSIPPI ACAD SCI 8 241 243 1962
BY DE MAINE P A D
DDC NR.
CONTRACT NR. AF AFOSR-62-19
PROJ/TASK NR. 9763-9763-01

AFOSR 6315
MISSISSIPPI UNIV OF UNIVERSITY
INFRARED ABSORPTION SPECTRA FOR ALCOHOLS AND THERS DISSOLVED SEPARATELY OR TOGETHER IN CARBON TETRACHLORIDE
J MISS ACAD SCI 8 244 260 1962
BY DE MAINE P A D
DDC NR.
CONTRACT NR. AF AFOSR 62-19
PROJ/TASK NR. 9763-9763-01

AFOSR 6316
INST DE QUIMICA FISICA MADRID SPAIN
THE SULPHURATION OF COPPER WITH SOLUTIONS OF DIPHENYLTHIOURE
ELECTROCHIM ACTA 3 75 82 1960
BY LLOPIS J
GAMBOA J M
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ARL-TN-60-190
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ARL-TR-60-319
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ARL-115
ARL-116
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ARL-119
ARL-121

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AERONAUTICAL RESEARCH LABORATORIES <IN-HOUSE>

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ARL-62-302
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WADC TN 59-103
WADC TN 59-131
WADC TN 59-131 I
WADC TN 59-132
WADC TN 59-188
WADC TN 59-290
WADC TN 59-309
WADC TN 59-319
WADC TN 59-352
WADC TN 59-388
WADC TN 59-404
WADC TN 59-54
WADC TR 59-294
WADC TR 59-355
WADC TR 59-356
WADC TR 59-4
WADC TR 59-717
WADC-TN-59-265
WADC-TN-59-269
WADC-TN-59-336
WADC-TN-59-407
WADC-TR-59-118
WADC-TR-59-512
WADC-TR-59-533
WADC-TR-59-639
WADC-TR-59-672
WADC-TR-59-710
WADD TR 59-3
WADD-TN-60-145
WADD-TN-60-24
WADD-TN-60-70

AEROCHEM RSCH LABORATORIES INC PRINCETON, N J

AFOSR TN 58-1082
AFOSR TN 59-288
AFOSR TN 59-432
AFOSR TN 59-620
AFOSR TN 60-331
AFOSR TN 60-490
AFOSR TN 60-887
AFOSR TN 60-888
AFOSR 1360
AFOSR 1661
AFOSR 18
AFOSR 1841
AFOSR 2202
AFOSR 9209
AFOSR 697
AFOSR 919
ARL 99

AEROJET-GENERAL CORP AZUSA CALIF

AFCRL-279
AFOSR TN 58-1026
AFOSR TN 59-1249
AFOSR TN 59-1334
AFOSR TN 59-517
AFOSR TN 59-539
AFOSR TN 59-540
AFOSR TN 59-610
AFOSR TN 59-821
AFOSR TN 60-1237
AFOSR TN 60-1494
AFOSR TN 60-1478
AFOSR TN 60-212
AFOSR TN 60-426
AFOSR TN 60-702
AFOSR TN 60-760

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AEROJET-GENERAL CORP AZUSA CALIF

AFOSR TN 60-820
AFOSR TN 60-947
AFOSR TR 59-169
AFOSR TR 59-180
AFOSR TR 59-69
AFOSR TR 59-69
AFOSR TR 60-27
AFOSR TR 60-44
AFOSR TR 60-64
AFOSR 1481
AFOSR 1541
AFOSR 1758
AFOSR 1802
AFOSR 1802 A
AFOSR 228
AFOSR 2350
AFOSR 9200
AFOSR 9207
AFOSR 600
AFOSR 676
AFOSR 677
AFOSR 945

AERONAUTICAL ICING RESEARCH LABORATORIES

AFCRL-261
AFCRL-62-804
AFCRL-62-897

AERONAUTICAL RESEARCH INSTITUTE OF SWEDEN

AFOSR TN 59-962
AFOSR TN 60-147
AFOSR TN 60-257
AFOSR TN 60-611
AFOSR 1845
AFOSR 9438
AFOSR 419

AERONAUTICAL RSCH ASSOCIATES OF PRINCETON NJ

AFOSR TN 60-122
AFOSR TN 60-172
AFOSR 1718
AFOSR 4304

AERONCA MANUFACTURING CORP, BALTIMORE, MD

AFOSR 2754

AERONUTRONIC SYSTEMS INC, GLENDALE, CALIF

AFCRC-TN-59-269
AFCRC-TN-59-450
AFCRC-TN-59-467
AFCRC-TN-60-186
AFCRC-TR-60-150
AFCRC-TR-60-221
AFCRL-62-334
AFCRL-62-5
AFOSR TN 58-653
AFOSR TN 59-513
AFOSR TR 59-18
AFOSR TR 59-181
AFOSR TR 60-60
AFOSR 619

AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>

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AFCRC-TN-59-185
AFCRC-TN-59-200
AFCRC-TN-59-201
AFCRC-TN-59-2014
AFCRC-TN-59-215
AFCRC-TN-59-225
AFCRC-TN-59-252
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AFCRC-TN-59-261
AFCRC-TN-59-266
AFCRC-TN-59-268
AFCRC-TN-59-406
AFCRC-TN-59-420
AFCRC-TN-59-422
AFCRC-TN-59-444
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AFCRC-TN-59-495
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AFCRC-TN-60-225
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AFCRC-TN-60-262

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AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>

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AFCRC-TN-60-402
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AFCRL-TN-60-641

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AFCRL-TN-60-8[illegible]
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AFCRL-62-18

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AF CAMBRIDGE RESEARCH LABORATORIES <IN-HOUSE>	AFCRL-62-19
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	AFCRL-62-578
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	AFCRL-62-869
	AFCRL-62-87
	AFCRL-62-870
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	AFCRL-62-930
	AFCRL-62-951
	AFCRL-62-959
	AFCRL-62-961
	AFCRL-62-967
	AFCRL-62-983
	AFCRL-62-998
AF OFFICE OF SCIENTIFIC RESEARCH	AFOSR TN 59-1180
	AFOSR TN 59-686
	AFOSR TN 60-1030
	AFOSR TN 60-1189
	AFOSR TR 58-114
	AFOSR TR 59-96
	AFOSR 1471
	AFOSR 1853
	AFOSR 492
	AFOSR 964
AIR TECHNOLOGY CORPORATION	AFOSR/DRA-62-8
AIRBORNE INSTURMENTS LABORATORY	AFCRC-TR-59-133
	AFCRC-TR-60-100
	AFCRL-62-111
ALASKA UNIVERSITY OF	AFCRC-TN-59-180
	AFCRC-TN-59-274
	AFCRC-TN-59-356
	AFCRC-TN-59-600
	AFCRC-TN-59-671
	AFCRC-TN-60-275
	AFCRC-TN-60-293
	AFCRC-TN-60-410
	AFCRC-TN-60-431
	AFCRC-TN-60-681
	AFCRC-TR-59-366
	AFCRL-1012
	AFCRL-1013
	AFCRL-1029
	AFCRL-1063
	AFCPL-194
	AFCRL-272
	AFCRL-286
	AFCRL-288
	AFCRL-62-596
	AFCRL-62-708
	AFCRL-846
AKRON, UNIVERSITY OF	AFCRL-208
ALABAMA UNIV OF	AFOSR TN 59-1183
	AFOSR TN 59-416
	AFOSR TR 60-99
	AFOSR 3702
	AFOSR 3802
	AFOSR 3805
ALBERTA, UNIVERSITY OF	AFCRL-62-1121
ALFRED UNIVERSITY	AFOSR TN 60-410
	AFOSR TN 60-413
	AFOSR TN 60-447
	AFOSR TN 60-644
	AFOSR TN 60-884
	AFOSR 122
	ARL 5
	WADC TN 59-394
ALLIED RSCH ASSOCIATES INC, BOSTON, MASS	AFCRC-TN-59-247
	AFCRC-TN-59-264
	AFCRC-TN-59-614
	AFCRC-TN-59-615
	AFCRC-TN-59-616
	AFCRC-TN-59-660
	AFCRC-TN-60-253
	AFCRC-TN-60-451
	AFCRC-TR-59-200
	AFCRC-TR-59-2281
	AFCRC-TR-59-2282
	AFCRC-TN-59-2283
	AFCRC-TR-60-249
	AFCRL-230
	AFCRL-276
	AFCRL-457
	AFCRL-613

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ALLIED RSCH ASSOCIATES INC, BOSTON, MASS	AFCRL-62-486 AFCRL-62-487 AFCRL-62-638 AFOSR TN 59-390 AFOSR TN 60-863 AFOSR 2261 AFOSR 3691 AFOSR 520
AMERICAN INST FOR RSCH PITTSBURGH PA	AFOSR TN 60-286 AFOSR TN 60-808 AFOSR 1341 AFOSR 1342 AFOSR 1343 AFOSR 3540 AFOSR 3673 AFOSR 3704
AMERICAN MATHEMATICAL SOC PROVIDENCE, RI	AFOSR 2491
AMERICAN METEOROLOGICAL SOCIETY	AFCRL-TN-60-848
AMERICAN OPTICAL COMPANY	AFCRL-196 AFCRL-197 AFCRL-350
AMERICAN RADIO RELAY LEAGUE, INC.	AFCRC-TR-59-262
AMERICAN ROCKET SOCIETY	AFCRC-TN-59-296
AMERICAN SCIENCE AND ENGINEERING, INC.	AFCRC-TR-60-175 AFCRL-TN-60-844 AFCRL-463 AFCRL-4652 AFCRL-860
AMERICAN SYSTEMS INCORPORATED	AFCRL-62-196
ANDERSON CHEMICAL COMPANY	ARL-TR 60-291 WADC TR 59-265
ANDREW ALFORD CONSULTING ENGINEERS	AFCRC-TN-59-380 AFCRC-TR-60-107 AFCRL-506
ANTIOCH COLLEGE YELLOW SPRING O	AFOSR TR 59-76 AFOSR 208
ARACON LABORATORIES	AFCRL-62-1129
ARCTIC INSTITUTE OF NORTH AMERICA	AFCRC-TN-60-274 AFCRC-TN-60-417 AFCRC-TN-60-618 AFCRC-TN-60-619 AFCRL-TN-60-672 AFCRL-TN-60-635 AFCRL-TN-60-806 AFCRL-726 AFCRL-748 AFCRL-62-219 AFCRL-62-463 AFCRL-62-464 AFCRL-62-479 AFCRL-62-848 AFCRL-652
ARGICULTURAL UNIV WAGENINGEN NETHERLANDS	AFOSR 4183
ARIZONA STATE UNIV TEMPE	AFCRC-TN-59-464 AFCRC-TN-59-465 AFCRC-TN-59-466 AFCRL-62-212 AFCRL-62-677 AFOSR 2230
ARIZONA, UNIVERSITY OF	AFCRL-62-1116 AFCRL-62-643 AFCRL-682 AFOSR 2581 AFOSR 262 AFOSR 2808
ARKANSAS, UNIVERSITY OF	AFOSR TN 60-749 AFOSR TR 60-171 AFOSR TR 60-28 AFOSR 2259 AFOSR 3549 AFOSR 3550 AFOSR 3551 AFOSR 3704 AFOSR 4044 WADC TR 59-659 WADD TR 60-97
ARMOUR RESEARCH FOUNDATION	AFCRC-TR-59-104 AFCRC-TR-60-242 AFCRL-TR-60-282 AFCRL-62-661

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ARMOUR RESEARCH FOUNDATION	AFOSR TN 59-365 AFOSR TN 59-6 AFOSR TN 59-762 AFOSR TN 59-761 AFOSR TN 60-1119 AFOSR TN 60-1295 AFOSR TN 60-1377 AFOSR TN 60-443 AFOSR TN 60-63 AFOSR TR 59-21 AFOSR TR 59-4 AFOSR TR 60-128 AFOSR 1195 AFOSR 1617 AFOSR 241 AFOSR 2661 AFOSR 2663 AFOSR 3172 AFOSR 3477 AFOSR 3570 AFOSR 555 AFOSR 732 ARL-TN 60-111 ARL-TR 60-287 ARL-TR 60-312 ARL X071 ARL 62-301 ARL 62-376 WADC TR 59-286 WADD TR 60-103
ASTRONOME A L-OBSERVATOIRE DE PARIS	AFCRL-62-1035
ATHENS UNIV OF GREECE	AFOSR TN 59-294 AFOSR 2090
ATLANTIC RSCH CORP ALEXANDRIA VA	AFOSR TN 59-173 AFOSR TN 60-161 AFOSR TN 60-209 AFOSR TN 60-663 AFOSR TN 60-701 AFOSR TR 59-192 AFOSR TR 60-94 AFOSR 1555 AFOSR 2005
ATOMICS INTERNATIONAL	ARL X070
AUTONETICS	WADD TR 60-214
AVCO CORPORATION	AFCRC-TN-59-161 AFCRC-TN-59-179 AFCRC-TN-59-365 AFCRC-TN-59-608 AFCRC-TN-59-994 AFCRC-TN-60-285 AFCRC-TN-60-362 AFCRC-TN-60-598 AFCRL-TN-60-1162 AFCRL-TN-60-1162 AFCRL-TN-60-667 AFCRL-TN-60-797 AFCRL-TR 60-290 I AFCRL-TR-60-290II AFCRL-TR-60-354 AFCRL-1044 AFCRL-131 AFCRL-139 AFCRL-148 AFCRL-15 AFCRL-334 AFCRL-429 AFCRL-509 AFCRL-584 AFCRL-62-1025 AFCRL-62-1026 AFCRL-62-1027 AFCRL-62-106 AFCRL-62-1072 AFCRL-62-1126 AFCRL-62-1131 AFCRL-62-36 AFCRL-62-39 AFCRL-62-568 AFCRL-62-589 AFCRL-62-590 AFCRL-62-591 AFCRL-62-751 AFCRL-62-758 AFCRL-62-937 AFCRL-700 AFCRL-937 AFCRL-938 AFCRL-942 AFCRL-950 AFCRL-969 AFCRL-996 AFOSR TN 58-1081 AFOSR TN 59-1076 AFOSR TN 59-1130 AFOSR TN 59-1221 AFOSR TN 59-1331 AFOSR TN 59-289 AFOSR TN 59-290 AFOSR TN 59-385 AFOSR TN 59-445 AFOSR TN 59-845 AFOSR TN 59-846 AFOSR TN 59-882 AFOSR TN 60-291

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AVCO CORPORATION
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AFOSR 3887
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AFOSR 3902
AFOSR 461
AFOSR 697

BAKTERIOLOGISCHEN INST FREISING-WEIHENSTEPHAN GERMANY
AFOSR 1509

BALL BROTHERS RESEARCH CORP.
AFCRC-TR-60-240
AFCRC-TR-60-267
AFCRL-623
AFCRL-659
AFCRL-819

BARNES ENGINEERING COMPANY
AFCRC-TN-60-409
AFCRL-209

BAROGENICS, INC.
AFCRL-62-428

BARRINGER RESEARCH LIMITED
AFCRL-62-1018

BARTOL RESEARCH FOUNDATION
AFCRL-TN-60-798

BATTELLE MEMORIAL INSTITUTE
AFCRC-TN-59-110
AFCRC-TN-59-118
AFCRC-TN-59-992
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BAY STATE ELECTRONICS CORPORATION
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AFCRL-62-974

BAYLOR UNIV HOUSTON TEX
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AFCRL-62-872
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AFOSR TN 60-76

BELL AEROSYSTEMS COMPANY
AFCRL-62-974

BELL AIRCRAFT CORP BUFFALO N Y
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AFOSR TN 59-8

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BENDIX CORPORATION
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BERGEN UNIVERSITY OF
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AFCRL-62-689

BIRMINGHAM UNIV OF ENGLAND
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BLOCK ASSOCIATES, INC.
AFCRL-TN-60-681
AFCRL-TN 60-682
AFCRL-TR-60-610

BOEING CO.
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AFCRLA2235

BOLT BERANEK AND NEWMAN INC CAMBRIDGE MASS
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BONN UNIVERSITY OF
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AFCRC-TN-59-4213
AFCRC-TR-59-287
AFCRC-TR-60-276

BOSTON COLLEGE
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AFCRL-TR-60-429
AFCRL-62-1103

BOSTON UNIV MASS
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BRIGHAM YOUNG UNIV PROVO UTAH
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BRITISH COLUMBIA, UNIVERSITY OF
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WADD TN 60-57

BRUSSELS UNIV OF BELGIUM
AFOSR TN 60-1403
AFOSR 1889
AFOSR 2980

BRYN MAWR COLLEGE PA
AFOSR TN 60-1395

BUENOS AIRES UNIV OF ARGENTINA
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AFOSR 2421

BUFFALO, UNIVERSITY OF
ARL 62-468

BURDEN NEUROLOGICAL INST BRISTOL ENGLAND
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AFOSR 716

BUREAU OF MINES BARTLESVILLE OKLA
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BUREAU OF SOCIAL SCIENCE RSCH INC WASH DC
AFOSR 295
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AFOSR 454

BURROUGHS CORPORATION RESEARCH CENTER
AFCRC-TR-59-231

C W THORNWAITE ASSOCIATES, CENTERTON, N J
AFOSR 1623
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CALIFORNIA INSTITUTE OF TECHNOLOGY
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AFOSR TN 57-639
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CALIFORNIA UNIV OF RIVERSIDE CALIF	AFOSR 4069
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CALIFORNIA UNIV OF SANTA BARBARA	AFOSR TN 59-15
	AFOSR TR 59-199
CALIFORNIA UNIVERSITY OF	AFCRC-TN-58-689
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CALIFORNIA UNIVERSITY OF BERKELEY

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CALIFORNIA, UNIV OF LA JOLLA	AFOSR 1208
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CAMBRIDGE CORPORATION	AFCRC-TR-59-209
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CANTERBURY UNIVERSITY OF (NEW ZEALAND)	AFCRC-TN-59-963
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	AFCRL-62-376
CARNEGIE INST OF TECHNOLOGY PITTSBURGH, PA	AFCRC-TR-59-257
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	AFOSR 1919
	AFOSR 2404

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	ARL-TN 60-126
	WADC TN 59-82
CARTER OBSERVATORY (NEW ZEALAND)	AFCRC-TN-60-414
	AFCRL-TN-60-628
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	ARL 62-625
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CATHOLIC UNIV OF AMERICA WASH DC	AFOSR TN 59-192
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CATHOLIC UNIV OF RIO DE JANEIRO BRAZIL	AFOSR TN 60-104
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	AFOSR 3210

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	AFOSR 843
CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH	ARL 239
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	ARL 62-377
	ARL 62-397
	ARL 84
CENTRAL STATE COLLEGE WILBERFORCE O	AFOSR TR 60-34
CENTRE NATIONAL D'ETUDES DES TELECOMMUNICATIONS	AFCRL-1131
CENTRE NATIONAL DE LA RECH SCI FRANCE	AFOSR 3415
	AFOSR 4173
	AFOSR 4338
CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FIRENZE	AFCRC-TN-59-114
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CENTRO RADIOELETTRICO SPERIMENTALE <ROME>	AFCRC-TN-59-574
	AFCRC-TN-60-953
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CENTURY GEOPHYSICAL CORPORATION	AFCRL-865
CHALMERS UNIVERSITY OF TECHNOLOGY <SWEDEN>	AFCRC-TN-60-350
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CHANCE-VOUGHT AIRCRAFT CORP	WADC TR 59-781
CHICAGO MIDWAY LABORATORIES ILL	AFOSR 3658
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CMU ASSOCIATES

AFCRC-TR-59-100
AFCRC-TR-60-146
AFCRL-TN-60-757

CINCINNATI UNIVERSITY OF

AFOSR TN 60-1467
AFOSR TR 59-31
AFOSR 1326
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WADC TR 59-539

CITY OF HOPE MEDICAL CENTER DUARTE CALIFORNIA

AFOSR TR 60-145

CLEVITE CORP

WADD TR 60-11

COLLINS RADIO COMPANY

AFCRL-62-744

COLOGNE UNIVERISITY OF

AFCRL-62-290

COLORADO SCHOOL OF MINES RESEARCH FOUNDATION INC

AFOSR/CORA-62-11

COLORADO UNIVERSITY OF

AFCRC-TN-59-105
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COLUMBIA UNIVERSITY

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COMBUSTION & EXPLOSIVE RSCH INC, PITTSBURGH PA	AFOSR TR 59-209
COMBUSTION INST, PITTSBURGH, PA	AFOSR TR 60-127
COMMUNICATION RSCH INST MIAMI FLA	AFOSR 2296
	AFOSR 2516
	AFOSR 2623
	AFOSR 2624
COMPAGNIE DE RECH ET D-ETUDES AERONAUTIQUES PARIS, FR	AFOSR TN 60-1015
	AFOSR TR 60-181
	AFOSR 2110
COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL, PARIS, FRANCE	AFCRC-TN-59-961
	AFCRC-TN-59-962
	AFCRC-TN-60-170
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	AFCRL-62-377
	AFOSR TP 59-97
COMPUTER ASSOCIATES, INC,	AFCRL-62-738
	AFCRL-62-955
CONNECTICUT UNIV OF, STORRS	AFOSR TN 60-1066
	AFOSR TN 60-599
	AFOSR 3611
	AFOSR 390
CONSEJO SUPER, DE INV, CIENTIFICAS, MADRID, SPAIN	AFOSR TR 59-60
	AFOSR 2397
CONSERVATOIRE NAT DES ARTS ET METIERS PARIS FRANCE	AFOSR TN 59-124
	AFOSR TN 59-348
	AFOSR TN 60-681
	AFOSR TR 60-30
CONTINENTAL ELECTRONICS MANUFACTURING COMPANY	AFCRC-TR-59-149
CONTINENTAL OIL COMPANY	ARL 82
CONTROL EQUIPMENT CORPORATION	AFCRL-1079
CONVAIR	AFCRL-TN-60-846
	AFCRL-TN-60-847
	AFCRL-909
	AFCRL-4941I
	AFCRL-495
	AFCRL-496
	AFCRL-497
	AFCRL-60-845
	AFCRL-883
	AFCRL-91
	AFOSR TR 59-11
	AFOSR 144
	AFOSR 635
	AFOSR 921
COOK ELECTRIC COMPANY	AFCRL-62-161
COOK RESEARCH LABORATORIES	AFCRC-TR-59-202
	AFCRC-TR-59-236
	AFOSR-106
	AFOSR-109
COPENHAGEN UNIV OF DENMARK	AFOSR TN 59-298
	AFOSR TN 59-674
	AFOSR TN 60-1072
	AFOSR TN 60-128
	AFOSR TN 60-129
	AFOSR TN 60-130
	AFOSR TN 60-1349
	AFOSR TN 60-1350
	AFOSR TR 59-34
	AFOSR 1095
	AFOSR 1244
	AFOSR 2505
	AFOSR 3807
	AFOSR 3808
	AFOSR 3809
	AFOSR 714
	ARL 111

CONTINUED

COPENHAGEN UNIV OF DENMARK

ARL 62-384
ARL-TN 60-128
ARL-TN 60-146
WADD TN 60-101
WADD TN 60-102

CORK UNIVERSITY COLLEGE IRELAND

AFOSR TN 59-[illegible]
AFOSR TN 59-296
AFOSR TN 59-297
AFOSR TN 59-744
AFOSR TN 60-934
AFOSR TN 59-669
AFOSR TN 59-670
AFOSR TN 59-883
AFOSR TN 59-118
AFOSR TR 59-115
AFOSR 1833
AFOSR 2489
AFOSR 2683
AFOSR 2688
AFOSR 2689
AFOSR 269
AFOSR 6224
AFOSR 649
AFOSR 650
AFOSR 651

CORNELL AERONAUTICAL LABORATORY, INC.

AFCRC-TR-60-132
AFCRL-TN-60-1183
AFCRL-TR-61-841
AFCRL-158
AFCRL-249
AFCRL-62-208
AFCRL-62-463
AFCRL-62-78
AFCRL-62-78(II)
AFCRL-762
AFOSR TN 58-1057
AFOSR TN 59-1046
AFOSR TN 59-107
AFOSR TN 59-108
AFOSR TN 59-1086
AFOSR TN 59-1087
AFOSR TN 59-1088
AFOSR TN 59-1089
AFOSR TN 59-1090
AFOSR TN 59-1092
AFOSR TN 59-1093
AFOSR TN 59-31
AFOSR TN 59-564
AFOSR TN 59-599
AFOSR TN 59-966
AFOSR TN 60-938
AFOSR TR 58-158
AFOSR TR 60-139
AFOSR TR 60-142
AFOSR TR 60-58
AFOSR TR 60-59
AFOSR 149
AFOSR 1994
AFOSR 166
AFOSR 2071
AFOSR 2072
AFOSR 3029
AFOSR 3514
AFOSR 3699
AFOSR 541
AFOSR 578
AFOSR 606
AFOSR 614
AFOSR 622
ARL 62-493
ARL-TR 60-333
WADC TN 59-339
WADC TR 59-650
WADC TR 59-75
WADC TR 59-75
WADC TR 59-75
WADC TR 59-75
WADD TN 59-6

CORNELL UNIV ITHACA NY

AFCRC-TN-59-950
AFCRC-TN-60-126
AFCRC-TN-60-349
AFCRC-TN-60-997
AFCRC-TN-60-571
AFCRL-TN-60-1161
AFCRL-TN-60-1179
AFCRL-TN-60-124
AFCRL-TN-60-359
AFCRL-TN-60-790
AFCRL-TN-60-979
AFCRL-919
AFCRL-62-106
AFCRL-62-105
AFCRL-62-77
AFCRL-62-910
AFCRL-62-462
AFCRL-62-907
AFCRL-62-570
AFCRL-62-571
AFOSR TN 58-1068
AFOSR TN 58-201
AFOSR TN 58-489
AFOSR TN 58-490
AFOSR TN 58-491
AFOSR TN 58-687
AFOSR TN 58-695
AFOSR TN 58-781
AFOSR TN 58-900
AFOSR TN 58-901
AFOSR TN 59-1004
AFOSR TN 59-1043

CONTINUED

CORNELL UNIV ITHACA NY

AFOSR TN 59-1195
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AFOSR TN 59-250
AFOSR TN 59-[illegible]
AFOSR TN 59-271
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AFOSR TN 59-456
AFOSR TN 59-459
AFOSR TN 59-480
AFOSR TN 59-504
AFOSR TN 59-509
AFOSR TN 59-61
AFOSR TN 59-688
AFOSR TN 59-685
AFOSR TN 59-7
AFOSR TN 59-743
AFOSR TN 59-744
AFOSR TN 59-749
AFOSR TN 59-807
AFOSR TN 59-872
AFOSR TN 59-874
AFOSR TN 59-885
AFOSR TN 59-92
AFOSR TN 59-927
AFOSR TN 59-984
AFOSR TN 60-1100
AFOSR TN 60-1267
AFOSR TN 60-1268
AFOSR TN 60-1413
AFOSR TN 60-1466
AFOSR TN 60-289
AFOSR TN 60-330
AFOSR TN 60-360
AFOSR TN 60-39
AFOSR TN 60-409
AFOSR TN 60-588
AFOSR TN 60-6
AFOSR TN 60-631
AFOSR TN 60-638
AFOSR TN 60-643
AFOSR TN 60-755
AFOSR TN 60-756
AFOSR TN 60-946
AFOSR TR 60-144
AFOSR TR 60-45
AFOSR 1024
AFOSR 1026
AFOSR 1077
AFOSR 1087
AFOSR 1111
AFOSR 1182
AFOSR 1392
AFOSR 1966
AFOSR 1976
AFOSR 1401
AFOSR 1591
AFOSR 1675
AFOSR 1689
AFOSR 1690
AFOSR 1699
AFOSR 1705
AFOSR 1782
AFOSR 1786
AFOSR 1860
AFOSR 1864
AFOSR 1866
AFOSR 1937
AFOSR 1949
AFOSR 20
AFOSR 2066
AFOSR 2208
AFOSR 2254
AFOSR 2279
AFOSR 2396
AFOSR 2418
AFOSR 2479
AFOSR 2526
AFOSR 2567
AFOSR 2589
AFOSR 2590
AFOSR 269
AFOSR 2714
AFOSR 2715
AFOSR 2789
AFOSR 2790
AFOSR 2841
AFOSR 2956
AFOSR 2960
AFOSR 2981
AFOSR 3003
AFOSR 32
AFOSR 3324
AFOSR 338
AFOSR 3389
AFOSR 3393
AFOSR 3408
AFOSR 3418
AFOSR 3472
AFOSR 3578
AFOSR 3675
AFOSR 3710
AFOSR 3791
AFOSR 3824
AFOSR 383
AFOSR 3877
AFOSR 3911
AFOSR 4007
AFOSR 4010
AFOSR 4018
AFOSR 4019
AFOSR 4020
AFOSR 4021

CONTINUED

CORNELL UNIV ITHACA NY	AFOSR 4022
	AFOSR 4023
	AFOSR 4150
	AFOSR 4245
	AFOSR 4246
	AFOSR 4247
	AFOSR 4248
	AFOSR 4307
	AFOSR 4309
	AFOSR 4310
	AFOSR 531
	AFOSR 580
	AFOSR 663
	AFOSR 664
	AFOSR 665
	AFOSR 671
	AFOSR 70
	AFOSR 899
	ARL 100
	WADD TR 60-107
CORNING GLASS WORKS	AFCRL-62-771
COTTINGEN UNIV OF GERM	AFOSR 4181
COUNCIL FOR INTERNATIONAL ORGANIZATION OF MEDICAL SCIENCES	AFOSR 1191
CURTISS-WRIGHT CORP	ARL-TR 60-311
	WADC TR 59-9
	WADC TR 59-708
	WADD TR 59-708
DALMO VICTOR COMPANY	AFCRC-TN-59-359
	AFCRC-TR-59-163
DANISH METEOROLOGICAL INSTITUTE	AFCRL-672
DANISH NATIONAL COMMITTEE OF U.R. S.I.	AFCRC-TN-59-669
	AFCRC-TR-59-279
DARTMOUTH COLLEGE	AFCRC-TN-59-655
	AFCRC-TN-59-656
	AFCRC-TN-60-261
	AFCRC-TN-60-437
	AFCRC-TN-60-661
	AFCRC-TR-60-205
	AFCRL-447
	AFCRL-62-1052
	AFCRL-62-1067
DAYTON UNIVERSITY OF	ARL-TN 60-120
	ARL 137
	ARL 147
	ARL 45
	ARL 62-368
	ARL 62-398
	ARL 62-479
DELAWARE UNIV OF NEWARK	AFOSR TR 59-163
	AFOSR TR 59-199
	AFOSR 1965
	AFOSR 2109
	AFOSR 799
DENMARK, TECHNICAL UNIVERISTY OF	AFCRL-TN-60-1163
	AFCRL-TN-60-984
	AFCRL-166
	AFCRL-171
	AFCRL-172
	AFCRL-176
	AFCRL-427
	AFCRL-62-1031
	AFCRL-62-1139
	AFCRL-62-1140
	AFCRL-62-285
	AFCRL-62-386
	AFCRL-62-545
	AFCRL-62-966
	AFCRL-639
DENVER RESEARCH INSTITUTE	AFCRL-6
DENVER UNIVERSITY OF	AFCRC-TN-60-264
	AFCRC-TN-60-265
	AFCRC-TN-60-452
	AFCRL-TR-60-471
	AFCRL-219
	AFCRL-62-238
DEPAUL UNIV CHICAGO ILL	AFOSR TN 60-1065
	AFOSR TN 60-84
	AFOSR TR 60-169
DETROIT UNIV OF MICH	AFOSR TN 59-1030
	AFOSR TN 60-625
	AFOSR TR 60-107
DEUTSCHER WETTERDIENST	AFCRL-62-864
DIKEWOOD CORPORATION	AFCRC-TN-59-165

CONTINUED

DIKEWOOD CORPORATION	AFCRC-TR-59-170
DOCUMENTATION INC. WASH D C	AFOSR TN 60-8
	AFOSR 1937
	AFOSR 479
DOMINION PHYSICAL LABORATORY <NEW ZEALAND>	AFCRL-62-169
	AFCRL-62-710
DONALD H. MENZEL	AFCRC-TR-59-403
DORNE AND MARGOLIN, INC.	AFCRL-182
DOUCETTE ASSOCIATES, INC.	AFCRL-62-197
	AFCRL-62-769
	AFCRL-62-929
DR M A RIOT, NEW YORK, N Y	AFOSR 3942
DR. INGVAR LINDQVIST UPPSALA UNIV OF SWEDEN	AFOSR TN 59-576
DRESSER ELECTRONICS	AFCRL-62-866
DREXEL INST OF TECHNOLOGY, PHILADELPHIA, PA	AFOSR TN 60-875
	AFOSR TN 60-876
	AFOSR TN 60-97
	AFOSR TR 60-101
DUBLIN INSTITUTE FOR ADVANCED STUDIES	AFCRC-TN-59-423
	AFCRC-TN-59-429
	AFCRC-TN-59-430
	AFCRC-TN-59-431
	AFCRC-TN-59-432
	AFCRC-TN-59-640
	AFCRL-TN-59-809
	AFCRL-TN-60-627
	AFCRL-TN-60-636
	AFCRL-TN-60-637
	AFCRL-1080(I)
	AFCRL-1083
	AFCRL-614
	AFCRL-62-224
	AFCRL-62-263
	AFCRL-62-616
	AFCRL-62-819
	AFCRL-695
	AFOSR TN 59-897
	AFOSR TR 59-56
	AFOSR TR 60-12
DUKE UNIV DURHAM N C	AFOSR TN 59-1208
	AFOSR TN 59-1209
	AFOSR TN 59-1291
	AFOSR TN 59-142
	AFOSR TN 59-143
	AFOSR TN 59-144
	AFOSR TN 59-145
	AFOSR TN 59-248
	AFOSR TN 59-249
	AFOSR TN 59-301
	AFOSR TN 59-362
	AFOSR TN 59-363
	AFOSR TN 59-403
	AFOSR TN 59-498
	AFOSR TN 59-53
	AFOSR TN 59-54
	AFOSR TN 59-789
	AFOSR TN 59-862
	AFOSR TN 59-863
	AFOSR TN 59-864
	AFOSR TN 59-865
	AFOSR TN 59-875
	AFOSR TN 60-1046
	AFOSR TN 60-1047
	AFOSR TN 60-1178
	AFOSR TN 60-1249
	AFOSR TN 60-1250
	AFOSR TN 60-1251
	AFOSR TN 60-1356
	AFOSR TN 60-1449
	AFOSR TN 60-486
	AFOSR TN 60-91
	AFOSR TN 60-535
	AFOSR TN 60-536
	AFOSR TN 60-580
	AFOSR TN 60-581
	AFOSR TN 60-742
	AFOSR TN 60-743
	AFOSR TN 60-796
	AFOSR TN 60-90
	AFOSR TN 60-982
	AFOSR TN 60-983
	AFOSR TR 59-102
	AFOSR 1021
	AFOSR 1022
	AFOSR 1023
	AFOSR 1356
	AFOSR 1357
	AFOSR 1358
	AFOSR 1359
	AFOSR 1419
	AFOSR 1648
	AFOSR 1667
	AFOSR 1822
	AFOSR 2082

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DUKE UNIV DURHAM N C
AFOSR 2083
AFOSR 2086
AFOSR 2310
AFOSR 2438
AFOSR 2458
AFOSR 2756
AFOSR 3033
AFOSR 3931
AFOSR 3932
AFOSR 3933
AFOSR 3934
AFOSR 4149
AFOSR 4207
AFOSR 4341
AFOSR 618
AFOSR 624

DURHAM UNIVERSITY OF
AFCRC-TN-60-283
AFCRC-TN-60-432
AFCRC-TR-59-242
AFCRC-TR-60-227
AFCRL-62-202
AFCRL-809

DYNATECH CORP, CAMBRIDGE, MASS
AFOSR 2867

EAGLE PICHER COMPANY
ARL 14
ARL 62-319
WADC TR 59-360

EASTERN AIR LINES, INC.
AFCRC-TR-59-254
AFCRL-62-876

EASTERN NAZARENE COLLEGE WOLLASTON MASS
AFOSR 585

EASTERN RSCH GROUP, BROOKLYN, N Y.
AFOSR TR 60-178

ECOLE NORMALE SUPERIEURE PARIS FRANCE
AFOSR 2107

EDINBURGH UNIV OF SCOTLAND
AFOSR TN 60-1286

EITEL-MCCULLOUGH, INC.
AFCRL-62-167
AFCRL-62-904
AFCRL-979

ELECTRO-MECHANICS COMPANY
AFCRC-TR-59-208
AFCRL-62-634

ELECTRO-OPTICAL SYSTEMS INC
AFCRL-TR-60-607
ARL 9
ARL 60
ARL 62-360
ARL 62-336
ARL-TN 60-139
WADC TN 59-186
WADC TR 59-17

ELECTROMAGNETIC RESEARCH CORPORATION
AFCRC-TN-60-173
AFCRC-TN-60-177
AFCRC-TR-60-129
AFCRL-TN-60-492
AFCRL-TR-60-162
AFCRL-1096
AFCRL-235
AFCRL-62-941
AFCRL-769
AFCRL-869

ELECTRON MICROSCOPE SOC OF AMERICA PHILA PENNA
AFOSR 3384

ELECTRONIC ASSOCIATES, INC.
AFCRL-TR-60-152

ELECTRONICS COMMUNICATIONS INC
AFCRC-TN-59-289
AFCRC-TN-60-138
AFCRC-TR-59-363
AFCRL-TN-60-1157
AFCRL-TN-60-962
AFCRL-180
AFCRL-62-173
AFCRL-62-176
AFCRL-62-319
AFOSR/ORA-62-3

ELEKTROPHYSIKALISCHES INST DER TECH HOCHSCHULE MUNCHEN
AFCRC-TR-60-110

ELETTROTECNICO NAZIONALE TORINO ITALY
AFOSR TN 60-495

EMERSON & CUMING, INC.
AFCRL-62-776

ENGINEERING SUPERVISION CO.
AFCRL-62-17
AFCRL-62-179
AFCRL-727
AFCRL-728
AFCRL-948

EPPLEY LABORATORY, INC.
AFCRL-828

ERLANGEN UNIV WEST GERMANY
AFOSR 3033
AFOSR 3037

EVANS RESEARCH AND DEVELOPMENT CORP
WADC TR 59-147
WADD TR 60-186

[illegible] SCIENTIFIC CORPORATION
AFCRL-62-731

FAIRCHILD ENGINE AND AIRPLANE CORP DEER PARK, LI, NY
AFOSR TN 58-1027
AFOSR TN 58-898
AFOSR TN 59-662
AFOSR TN 59-587
AFOSR TN 59-588
AFOSR TN 59-589
AFOSR TN 59-590

FEDERATION OF AMER SOC FOR EXPERIMENTAL BIOLOGY BALTIMORE
AFOSR 386

FELS RSCH INST YELLOW SPRINGS O
AFOSR TN 57-409

FERRANTI ELECTRIC, INC.
AFCRC-TR-59-169

FLIGHT SCIENCES LAB INC
ARL 57
ARL 62-347

FLORENCE, UNIVERSITY OF
AFCRL-TR-60-186

FLORIDA STATE UNIV TALLAHASSEE
AFCRC-TN-59-258
AFCRL-1040
AFCRL-270
AFCRL-297
AFCRL-297
AFCRL-62-846
AFCRL-651
AFOSR TN 59-1120
AFOSR TN 60-1154
AFOSR TN 60-1156
AFOSR TN 60-1158
AFOSR TN 60-158
AFOSR TN 60-159
AFOSR 1214
AFOSR 1236
AFOSR 1676
AFOSR 2617
AFOSR 2756
AFOSR 2870
AFOSR 2871
AFOSR 3153
AFOSR 3154
AFOSR 3323
AFOSR 3947
AFOSR 4153
AFOSR 786
AFOSR 971

FLORIDA UNIV OF GAINESVILLE
AFOSR TN 58-479
AFOSR TN 59-631
AFOSR TN 59-810
AFOSR TN 60-637
AFOSR TR 59-146
AFOSR 1215
AFOSR 2937
AFOSR 991

FORD MOTOR COMPANY
AFCRL-62-2101
AFCRL-62-2101I
AFCRL-62-862
AFCRL-928

FORDHAM UNIV NEW YORK NY
AFOSR TN 58-930
AFOSR TN 59-670
AFOSR TN 60-583
AFOSR TN 60-584

FOREST SERVICE PRODUCTS SERVICE LAB U. S. DEPT. OF
AFOSR TN 57-137

FRANKLIN INST PHILADELPHIA PA
AFCRC-TN-59-368
AFCRC-TN-59-377
AFCRC-TN-59-968
AFCRC-TN-60-149
AFCRC-TN-60-389
AFCRL-TN-60-1142
AFCRL-966
AFCRL-47
AFOSR TN 59-1067
AFOSR TN 59-139
AFOSR TN 59-28
AFOSR TN 59-762
AFOSR TN 59-765
AFOSR TN 60-4
AFOSR TN 60-414
AFOSR TN 60-693
AFOSR TN 60-694
AFOSR TN 60-695
AFOSR TN 60-696
AFOSR TN 60-697
AFOSR TR 60-81
AFOSR 1810
AFOSR 1813
AFOSR 2965
AFOSR 2976
AFOSR 2977
AFOSR 3010
AFOSR 3011

CONTINUED

FRANKLIN INST PHILADELPHIA PA
AFOSR 3012
AFOSR 3170
AFOSR 947
AFOSR 986
ARL-TR 60-295
ARL A2-916
ARL A6
WADC TR 59-567
WADC TR 59-709

FREE UNIV OF BRUSSELS BELGIUM
AFOSR TN 59-1237
AFOSR TN 59-1238
AFOSR TN 59-203
AFOSR TN 60-1102
AFOSR TN 60-1154
AFOSR TN 60-738
AFOSR TR 59-92
AFOSR TR 59-44A
AFOSR TR 59-44AR
AFOSR TR 59-44C
AFOSR TR 59-440
AFOSR 1909
AFOSR 2171
AFOSR 2172
AFOSR 2173
AFOSR 2174
AFOSR 2175
AFOSR 2911
AFOSR 2912
AFOSR 2913
AFOSR 2914
AFOSR 2915
AFOSR 2668
AFOSR 2690
AFOSR 3456
AFOSR 3457
AFOSR 3687
AFOSR 3736
AFOSR 3944
AFOSR 3945
AFOSR 6176
AFOSR 6177
AFOSR 6205
AFOSR 6760
AFOSR 60A

FREE UNIV OF WEST BERLIN GERM
AFOSR TN 60-1405
AFOSR TN 60-916
AFOSR 1105
AFOSR 1441
AFOSR 226
AFOSR 2962
AFOSR 3937
AFOSR 3954
AFOSR 6111

FRIBOURG UNIV OF SWITZERLAND
AFOSR TN 59-561
AFOSR TR 60-29

FRIEDMAN INC
AFCRC-TN-59-753
AFCRC-TN-59-767
AFCRC-TN-59-768
AFCRC-TN-59-782
AFCRC-TN-59-796
AFCRC-TN-59-799
AFCRC-TN-59-956
AFCRC-TN-60-105
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AFCRL-TN-60-1150
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AFCRL-TN-60-986
AFCRL-TN-60-986
AFCRL-TN-60-987
AFCRL-TR-60-350
AFCRL-117
AFCRL-157
AFCRL-18
AFCRL-19
AFCRL-20
AFCRL-21
AFCRL-33
AFCRL-34
AFCRL-35
AFCRL-353
AFCRL-36
AFCRL-37
AFCRL-394

CONTINUED

FRIEDMAN INC
AFCRL-396
AFCRL-397
AFCRL-411
AFCRL-413
AFCRL-433
AFCRL-[illegible]
AFCRL-46
AFCRL-468
AFCRL-469
AFCRL-47
AFCRL-470
AFCRL-471
AFCRL-48
AFCRL-480
AFCRL-487
AFCRL-488
AFCRL-489
AFCRL-49
AFCRL-490
AFCRL-707
AFCRL-708
AFCRL-709
AFCRL-710
AFCRL-750
AFCRL-93

G. BOULET TOULOUSE FRANCE
AFOSR TR 59-164

GARRETT CORPORATION
AFCRL-389
ARL-TR 60-317

GAUSTAD MENTAL HOSPITAL OSLO NORWAY
AFOSR TR 59-35
AFOSR 1727

GENERAL APPLIED SCI LABORATORIES HEMPSTEAD NY
AFOSR TN 59-1307
AFOSR TN 59-1308
AFOSR TN 59-1309
AFOSR TN 59-1310
AFOSR 1935
AFOSR 1978
AFOSR 2455
AFOSR 2613
AFOSR 752

GENERAL BRONZE CORPORATION
AFCRC-TR-60-169

GENERAL DYNAMICS
AFCRC-TR-60-117
AFCRL-TN-59-671
AFCRL-TN-60-848
AFCRL-TR-60-369
AFCRL-1041
AFCRL-918
AFCRL-62-1001
AFCRL-62-1144
AFCRL-62-1145
AFCRL-62-1157
AFCRL-62-327
AFCRL-62-431
AFCRL-62-894
AFOSR TN 59-1033
AFOSR TN 59-1276
AFOSR TN 59-18
AFOSR TN 59-366
AFOSR TN 60-1063
AFOSR TN 60-1246
AFOSR TN 60-840
AFOSR 1050
AFOSR 2357
AFOSR 2611
AFOSR 3731
AFOSR 3880
AFOSR 6110
ARL X081
ARL A2-389

GENERAL ELECTRIC CO CINCINNATI O
AFOSR TN 59-264
AFOSR TN 59-688
AFOSR TN 60-1612
AFOSR TN 60-857
AFOSR 1679
AFOSR 1904
AFOSR 3898

GENERAL ELECTRIC CO SCHENECTADY N Y
AFOSR TN 60-966
AFOSR TR 59-212
AFOSR 2010
AFOSR 2921
AFOSR 394
AFOSR 3980

GENERAL ELECTRIC CO. PHILADELPHIA PA
AFOSR TN 60-1183
AFOSR TN 60-637
AFOSR TN 60-819
AFOSR 1696
AFOSR 1898
AFOSR 21
AFOSR 2284
AFOSR 2683
AFOSR 2768
AFOSR 3602
AFOSR 3669
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AFOSR 3681
AFOSR 3682
AFOSR 3683
AFOSR 3695
AFOSR 3696

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GENERAL ELECTRIC CO. PHILADELPHIA PA

AFOSR 3697
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AFOSR 3857
AFOSR 4321
AFOSR 435
AFOSR 442
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AFOSR 872
AFOSR 886

GENERAL ELECTRIC COMPANY

AFCRC-TN-59-104
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GENERAL ELECTRIC COMPANY

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ARL 59
ARL 96
ARL A2-305
ARL A2-357
ARL 73
ARL 77
ARL-TN 60-130
ARL-TR 60-272
ARL-TR 60-286
ARL-TR 60-321
WADC TR 59-270
WADD TR 60-165

GENERAL MILLS INC

AFCRC-TN-59-605
AFCRC-TN-59-606
AFCRC-TN-60-204
AFCRL-TN-60-490
AFCRL-TN-60-836
AFCRL-TR-60-418
AFCRL-220
AFCRL-221
AFCRL-265
AFCRL-62-874
AFCRL-867
AFOSR TN 60-137A
AFOSR 1466
ARL 32
ARL A2-333
WADC TR 59-660

GENERAL MOTORS CORP INDIANAPOLIS IND

AFOSR 1279
AFOSR 1631
AFOSR 1964

GENERAL PRECISION INC

ARL 80

GENERAL TELEPHONE & ELECTRONICS LABS. INC

AFCRC-TR-60-168
AFCRC-TR-60-197
AFCRL-TN-60-1164
AFCRL-TN-60-748
AFCRL-TN-60-893
AFCRL-TR-60-168
AFCRL-TR-60-357
AFCRL-17
AFCRL-919
AFCRL-939
AFCRL-967
AFCRL-62-130
AFCRL-62-2
AFCRL-62-372
AFCRL-62-373
AFCRL-62-934
AFCRL-A2-773
AFCRL-62-905
AFCRL-934
AFCRL-935

GENOA UNIV OF ITALY

AFOSR TR 60-184
AFOSR 3468
AFOSR 3550
AFOSR 390
AFOSR 367
AFOSR 4170
AFOSR 4189
AFOSR 749

GEO-SCIENCE, INC.

AFCRL-247

GEOLOGICAL SURVEY, U. S.

AFCRC-TN-59-690

GEOPHYSICS CORPORATION OF AMERICA

AFCRC-TN-60-474
AFCRL-1090
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AFCRL-202
AFCRL-207
AFCRL-210
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AFCRL-62-266
AFCRL-62-267

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GEOPHYSICS CORPORATION OF AMERICA
AFCRL-62-268
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AFCRL-62-639
AFCRL-62-743
AFCRL-62-843
AFCRL-682
AFCRL-77
AFCRL-766
AFCRL-978

GEORGE WASHINGTON CARVER FOUND TUSKEGEE ALA
AFOSR 2398

GEORGE WASHINGTON UNIV WASH DC
AFOSR TN 60-653

GEORGETOWN UNIV WASHINGTON D C
AFCRC-TN-60-217
AFCRC-TN-60-218
AFCRC-TN-60-220
AFCRL-TN-60-664
AFCRL-TN-60-666
AFCRL-TN-60-820
AFCRL-62-1017
AFCRL-62-888
AFOSR TN 59-161
AFOSR TN 59-810
AFOSR TN 59-969
AFOSR TN 60-1020
AFOSR TR 59-189
AFOSR 3091
AFOSR 3107
AFOSR 3127

GEORGIA INST OF TECHNOLOGY ATLANTA
AFCRC-TN-60-609
AFCRC-TR-59-281
AFCRC-TR-59-347
AFCRC-TR-60-134 V1
AFCRL-TR-60-134 V1
AFCRL-TR-60-134 V2
AFCRL-TR-60-134 V3
AFCRL-TR-60-134 V4
AFCRL-TR-60-134 V5
AFCRL-TR-60-372
AFCRL-661
AFCRL-62-165
AFOSR TN 58-909
AFOSR TN 60-1462
AFOSR TN 60-661
AFOSR TN 60-869
AFOSR TN 60-969
AFOSR TR 60-52
AFOSR 2569
AFOSR 2749
AFOSR 2876
AFOSR 625
AFOSR 626
AFOSR 826
ARL-TR 60-322
ARL 62-326
ARL 62-457
WADC TN 59-330

GEOSCIENCE INCORPORATED
AFCRL-62-959

GERMAN WEATHER SERVICE
AFCRL-62-1004
AFCRL-62-697
AFCRL-62-698
AFCRL-62-699
AFCRL-62-809

GHANA UNIVERSITY OF
AFCRL-62-598
AFCRL-62-599
AFCRL-62-900
AFCRL-62-902
AFCRL-62-903

GIANNINI CONTROLS CORP DUARTE, CALIF
AFOSR 1317

GIANNINI CONTROLS CORP., RERWYN, PA
AFOSR 2849
AFOSR 3737

GIANNINI SCIENTIFIC CORP SANTA ANA, CALIF
AFOSR 1520
AFOSR 1521
AFOSR 1522
AFOSR 1523
AFOSR 1625

GILFILLAN BROTHERS, INC.
AFCRL-62-599
AFCRL-969

GOETTINGEN, UNIVERSITY OF
AFOSR TN 59-841
AFOSR 2011
ARL 62-330
ARL 62-495

GOTEBORG UNIV OF SWEDEN
AFOSR 9165

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GOTEBORG UNIV OF SWEDEN
AFOSR 2672
AFOSR 3170
AFOSR 4202
AFOSR 4327
AFOSR 4328
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AFOSR 4330
AFOSR 4331
AFOSR 4332
AFOSR 4333
AFOSR 4334
AFOSR 4335

GRANGER ASSOCIATES
AFCRL-919

GROUP FOR THE ADVANCEMENT OF SPECTROSCOPIC METHODS PARIS
AFCRL-686
AFCRL-809
AFCRL-62-650

GRUMMAN AIRCRAFT ENGINEERING CORP BETHPAGE NY
AFOSR/DRA-62-4
AFOSR 4322

GULTON INDUSTRIES, INC.
AFCRL-770

HALOID XEROX INC.
AFCRL-TR-60-353

HAMBURG, UNIVERSITY OF
ARL 228
ARL 96

HAMBURGER STERNWARTE
AFCRL-62-834

HARSHAW CHEMICAL COMPANY
ARL-TR 60-293
ARL X082
ARL X083
ARL X084
ARL X085
ARL X086
ARL 62-395

HARVARD UNIV CAMBRIDGE MASS
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AFOSR 63
AFOSR 794
AFOSR 799

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AFOSR 831
AFOSR 9

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AFCRL-62-898
AFCRL-697

HAZELTINE RESEARCH CORPORATION

AFCRL-24
AFCRL-61
AFCRL-62

HAZELTINE TECHNICAL DEVELOPMENT CENTER INC.

AFCRL-62-152
AFCRL-753

HEBREW UNIV JERUSALEM ISRAEL

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AFCRL-607
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AFOSR 3136
AFOSR 3187
AFOSR [illegible]
AFOSR 3441

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	AFOSR 4061
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	AFOSR 4306
	AFOSR 4367
	AFOSR 694
	AFOSR 847
	AFOSR 898
	AFOSR 800
	AFOSR 801
	AFOSR 806
	AFOSR 918
	AFOSR 980
	AFOSR 987
	ARL 218
	ARL 219
	ARL 233
	ARL 62-469
	ARL 62-650
	ARL 62-651
HEIDELBERG UNIV OF GERM	AFOSR TR 60-56
	AFOSR 2619
HERMANN FOTTINGER INST BERLIN, GERM	AFOSR 2142
	AFOSR 3191
HERMES ELECTRONICS COMPANY	AFCRC-TR-59-191
	AFCRC-TR-59-265
	AFCRC-TR-59-346
HERNER & CO, WASH DC	AFOSR TR 59-204
	AFOSR 925
HORIZONS INC	AFCRC-TR-60-140
	AFCRC-TR-60-141
HOSPITAL HENRI-ROUSSELLE PARIS FRANCE	AFOSR TR 59-93
HOWELL ASSOCIATES, INC.	AFCRL-62-729
	AFCRL-895
HP ASSOCIATES	AFCRL-62-772
	AFCRL-62-957
HRB-SINGER, INC.	AFCRL-62-90
	AFCRL-944
HUFFMAN MICROANALYTICAL LABS	ARL-TR 60-286
HUGHES AIRCRAFT COMPNAY	AFCRC-TN-59-363
	AFCRC-TN-59-594
	AFCRC-TN-59-668
	AFCRC-TN-59-681
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	AFCRL-62-376
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	AFCRL-62-85
	AFCRL-62-975
	AFCRL-62-976
HULL UNIV ENGLAND	AFOSR TN 60-1291
	AFOSR TN 60-1292
	AFOSR TN 60-1293
	AFOSR TN 60-1368
	AFOSR TN 60-298
	AFOSR 3013
	AFOSR 2493
	AFOSR 4297
HUMAN SCIENCES RSCH INC ARLINGTON VA	AFOSR TN 59-1194
	AFOSR TN 59-252
	AFOSR TN 60-1207
	AFOSR TN 60-1208
	AFOSR TN 60-1435

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HUMAN SCIENCES RSCH INC ARLINGTON VA	AFOSR TN 60-1498
	AFOSR 2616
	AFOSR 2709
	AFOSR 3009
	AFOSR TN 60-365
	AFOSR TN 60-379
HYLETRONICS CORPORATION	AFCRL-62-159
ILLINOIS INST OF TECHNOLOGY CHICAGO IL	AFCRC-TN-60-377
	AFCRC-TN-60-570
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	AFCRL-TR-60-383
	AFCRL-TR-60-373
	AFCRL-TR-60-404
	AFCRL-260
	AFOSR TN 57-233
	AFOSR TN 59-167
	AFOSR TN 60-1352
	AFOSR TN 60-1353
	AFOSR TN 60-1394
	AFOSR TN 60-156
	AFOSR TN 60-632
	AFOSR TN 60-792
	AFOSR TR 58-161
	AFOSR TR 59-7
	AFOSR TR 59-91
	AFOSR TR 60-137
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	AFOSR 1108
	AFOSR 1109
	AFOSR 1110
	AFOSR 1359
	AFOSR 1463
	AFOSR 308
	AFOSR 4012
	AFOSR 592
ILLINOIS STATE GEOLOGICAL SURVEY DIV URBANA	AFOSR TR 59-3
ILLINOIS UNIV OF URBANA	AFCRC-TN-59-362
	AFCRC-TN-59-597
	AFCRC-TN-60-668
	AFCRL-TN-60-809
	AFCRL-TN-61-202
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	AFCRL-62-241
	AFCRL-62-247
	AFCRL-62-340
	AFCRL-62-488
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	AFCRL-62-562
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	AFCRL-62-587
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	AFOSR TN 60-634
	AFOSR TN 60-635
	AFOSR TN 60-698
	AFOSR TN 60-705

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CONTINUED

ILLINOIS UNIV OF URBANA	AFOSR TN 60-807
	AFOSR TN 60-883
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	AFOSR TN 60-923
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	AFOSR 509
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	AFOSR 701
	AFOSR 730
	AFOSR 955
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	ARL 58
	ARL 62-308
	ARL 62-439
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	ARL-TN 60-129
	ARL-TR 60-328
	WADC TN 59-383

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ILLINOIS UNIV OF URBANA	WADC TN 59-384
	WADC TN 59-59
	WADC TN 60-104
	WADD TN 59-2
IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY (LONDON)	AFCRC-TR-59-286
	AFCRC-TN-59-677
	AFCRC-TN-59-863
	AFCRC-TN-60-424
	AFCRC-TN-60-425
	AFOSR TR 59-89
	AFOSR TR 60-54
	AFOSR 3717
INDIANA, UNIVERSITY OF	AFCRC-TN-58-50
	AFCRC-TR-59-48
	AFOSR TN 60-1033
	AFOSR TN 60-1034
	AFOSR TN 60-1131
	AFOSR TN 60-1426
	AFOSR TN 60-959
	AFOSR 3199
	AFOSR 360
	AFOSR 361
	AFOSR 362
	AFOSR 365
	AFOSR 366
	AFOSR 3797
	AFOSR 3798
	AFOSR 3799
	AFOSR 3800
	AFOSR 3948
	AFOSR 483
	AFOSR 494
	ARL-TR 60-336
	WADC TN 59-258
	WADC TR 59-52
INNSBRUCK, UNIVERSITY OF	AFCRL-62-378
INST OF INVESTIGACION DE CIENCIAS BIOLOGICAS, MONTEVIDEO	AFOSR TN 59-1144
	AFOSR TN 59-1145
	AFOSR TN 60-377
	AFOSR TN 60-730
	AFOSR 1192
	AFOSR 1192
INST DE QUIMICA FISICA MADRID SPAIN	AFOSR TN 59-36
	AFOSR TN 59-597
	AFOSR TR 60-73
	AFOSR 168
	AFOSR 3799
	AFOSR 4316
	AFOSR 4317
INST DE RECHERCHES NUCLEAIRES, STRASBOURG, FRANCE	AFOSR 2932
	AFOSR 3106
INST ELETTROTECNICO NAZIONALE GALILEO FERRARIS IVRINO ITALY	AFOSR TN 58-1091
	AFOSR TN 58-1094
	AFOSR TN 59-1074
	AFOSR TN 59-1134
	AFOSR TN 59-1334
	AFOSR TN 59-1339
	AFOSR TN 59-333
	AFOSR TN 59-88
	AFOSR TN 59-96
	AFOSR TN 59-958
	AFOSR TN 60-1143
	AFOSR TN 60-199
	AFOSR TN 60-390
	AFOSR TR 60-66
	AFOSR TR 60-67
	AFOSR 111
	AFOSR 1504
	AFOSR 1835
	AFOSR 2012
	AFOSR 2321
	AFOSR 3442
	AFOSR 3767
	AFOSR 4065
	AFOSR 981
	AFOSR 982
INST FOR ADVANCED STUDY PRINCETON N J	AFOSR TN 59-1036
	AFOSR TN 59-1039
	AFOSR TN 59-1055
	AFOSR TN 59-1109
	AFOSR TN 59-1110
	AFOSR TN 59-1129
	AFOSR TN 59-1197
	AFOSR TN 59-207
	AFOSR TN 59-391
	AFOSR TN 59-499
	AFOSR TN 59-669
	AFOSR TN 59-980
	AFOSR TN 59-981
	AFOSR TN 60-110
	AFOSR TN 60-112
	AFOSR TN 60-1190
	AFOSR TN 60-140
	AFOSR TN 60-359
	AFOSR TN 60-403
	AFOSR TN 60-436
	AFOSRTN591129
	AFOSRTN6029
	AFOSRTN6090
	AFOSRTN60944

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INST FOR ADVANCED STUDY PRINCETON N J
AFOSRTN60565
AFOSRTN60568
AFOSR 1147
AFOSR 1453
AFOSR 2784
AFOSR 2781
AFOSR 2787
AFOSR 2789
AFOSR 3304
AFOSR 3305
AFOSR 3306
AFOSR 3307
AFOSR 3309
AFOSR 3310
AFOSR 3311
AFOSR 3841
AFOSR 3870

INST NACIONAL DE TECNICA AERONAUTICA, MADRID, SPAIN
AFOSR TN 59-463
AFOSR TN 59-626
AFOSR TN 59-627
AFOSR TN 59-628
AFOSR TN 59-629
AFOSR TN 59-818
AFOSR TN 59-975
AFOSR TR 59-68
AFOSR 2111
AFOSR 2112
AFOSR 2495
AFOSR 2498
AFOSR 2836
AFOSR 3196
AFOSR 3197
AFOSR 61
AFOSR 6365

INST OF ANIMAL PHYSIOLOGY BABRAHAM CAMBRIDGE ENGLAND
AFOSR 3663
AFOSR 3912

INST MAREY PARIS FRANCE
AFOSR TN 59-1010
AFOSR TN 59-1011
AFOSR TN 59-1012
AFOSR TN 59-1013
AFOSR TN 59-1138
AFOSR TN 59-561
AFOSR TN 59-786
AFOSR TN 60-1310
AFOSR TN 60-1311
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AFOSR TN 60-1314
AFOSR TN 60-1363
AFOSR TN 60-1384
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AFOSR TN 60-1443
AFOSR TN 60-1444
AFOSR TN 60-675
AFOSR TN 60-676
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AFOSR 1195
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AFOSR 2684
AFOSR 236
AFOSR 237
AFOSR 2685
AFOSR 2686
AFOSR 2687
AFOSR 329
AFOSR 345R
AFOSR 359
AFOSR 698
AFOSR 743
AFOSR 744

INST. OF RECH SCI & TECH CENTRE GUEST, FRANCE
AFOSR TR 59-105

INST. OF THE AEROSPACE SCI NEW YORK NY
AFOSR 6072

INSTITUT D-ASTROPHYSIQUE, COINTE-SCLESSIN <BELGIUM>
AFCRL-656

INSTITUT FUER MECHANIK
ARL 162

INSTITUT FUR METEOROLOGIE UND G OPHYSIK, JOHANN WOLFGANG
AFCRC-TR-59-288
AFCRC-TN-59-610

INSTITUT NATIONAL DES SCIENCES APPLIQUEES
AFCRL-1090
AFCRL-1091
AFCRL-62-655

INSTITUTE OF AEROPHYSICS TORONTO UNIV OF CAN
AFOSR TN 58-861

INSTRUMENT CORPORATION OF FLORIDA
AFCRL-62-200
AFCRL-62-201

INTERMOUNTAIN WEATHER, INC.
AFCRC-TN-59-212
AFCRL-TN-60-638
AFCRL-TR-60-405
AFCRL-605
AFCRL-632
AFCRL-62-203
AFCRL-62-677

INTERNATIONAL BUSINESS MACHINES CORPORATION
AFCRC-TR-59-351

CONTINUED

INTERNATIONAL BUSINESS MACHINES CORPORATION
AFCRL-62-397
AFCRL-62-822
AFCRL-62-946
AFOSR 1987
AFOSR 2817
AFOSR 3705
AFOSR 3706
AFOSR 3707
AFOSR 3709

INTERNATIONAL INSTITUTE OF METEOROLOGY <SWEDEN>
AFCRC-TN-60-226
AFCRC-TN-60-227
AFCRC-TR-60-229

IONOSPHAREN-INSTITUT FREISACH <GERMANY>
AFCRC-TN-59-770
AFCRL-168
AFCRL-528
AFCRL-537
AFCRL-62-1031

IOWA STATE UNIVERSITY
AFCRL-62-665
AFOSR TN 58-10
AFOSR TN 58-1000
AFOSR TN 59-177
AFOSR TN 59-178
AFOSR TN 59-6
AFOSR TN 60-1206
AFOSR TN 60-137
AFOSR TN 60-733
AFOSR TN 60-880
AFOSR TN 60-924
AFOSR TN 60-925
AFOSR TR 60-109
AFOSR 1077
AFOSR 192
AFOSR 1975
AFOSR 3735
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ARL 79
ARL 9
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ISRAEL INSTITUTE OF TECHNOLOGY
AFCRC-TN-60-438
AFCRL-TN-60-438
AFCRL-62-1066
AFCRL-1092
AFCRL-62-287
AFCRL-62-566
AFCRL-62-797
AFCRL-853
AFOSR 3192
AFOSR 3546
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ARL-TR 60-294
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ARL 261
ARL 33
ARL 40
ARL 42
ARL A2-332
ARL A2-452
ARL A2-454
ARL 71
ARL 72

IST NAZIONALE DI OTTICA ITALY
AFOSR TN 59-1136
AFOSR TN 59-119
AFOSR TN 59-120
AFOSR TN 59-121
AFOSR TN 59-334
AFOSR TN 59-335
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AFOSR TN 59-543
AFOSR TN 59-777
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AFOSR TN 60-916
AFOSR TR 59-14
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AFOSR 1257
AFOSR 1258
AFOSR 1259
AFOSR 1260
AFOSR 1261
AFOSR 1269
AFOSR 1285

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	AFOSR 1287
	AFOSR 1288
	AFOSR 1289
	AFOSR 2016
	AFOSR 2017
	AFOSR 2018
	AFOSR 2019
	AFOSR 2238
	AFOSR 294
	AFOSR 2879
	AFOSR 2880
	AFOSR 2881
	AFOSR 2899
	AFOSR 2901
	AFOSR 2902
	AFOSR 6192
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	AFOSR 6199
	AFOSR 6204
	AFOSR 741
	AFOSR 742
	AFOSR 881
	AFOSR 882
IST SUPERIORE DI SANITA ROME ITALY	AFOSR TN 60-1404
	AFOSR 1200
	AFOSR 1726
	AFOSR 2184
	AFOSR 239
	AFOSR 234
	AFOSR 3101
ISTITUTO SUPERIORE DELLE POSTE E TELECOMMUNICAZIONI,<ROME>	AFCRC-TN-60-154
ITALY UNIV OF	AFOSR TN 58-1132
ITEK CORP BOSTON, MASS.	AFCRC-TR-60-142
	AFCRL-62-365
	AFCRL-62-444
	AFOSR TR 60-63
ITT FEDERAL LABORATORIES	AFCRC-TN-59-123
	AFCRC-TN-59-360
	AFCRC-TR-60-149
	AFCRL-TR-60-360
	AFCRL-TR-60-366
	AFCRL-215
	AFCRL-499
	AFCRL-62-326
	AFCRL-62-554
	ARL-TR 60-328
	ARL A2-411
	WADD TR 60-152
	WADC TR 60-216
JAMES PASTORIZA ASSOCIATES, INC.	AFCRL-TR-60-184
JERSEY PRODUCTION RESEARCH COMPANY	AFCRL-62-478
JOHANN WOLFGANG GOETHE-UNIVERSITAT	AFCRL-TN-60-827
	AFCRL-62-288
JOHANNES GUTENBERG-UNIVERSITAT	AFCRC-TR-59-234
	AFCRL-637
	AFCRL-62-289
	AFCRL-62-622
	AFCRL-62-624
JOHNS HOPKINS UNIV BALTIMORE MD	AFCRC-TN-58-559
	AFCRC-TN-59-971
	AFCRC-TN-60-167
	AFCRC-TN-60-230
	AFCRC-TN-60-360
	AFCRL-TN-60-819
	AFCRL-TR-60-269
	AFCRL-187
	AFCRL-650
	AFCRL-61A
	AFCRL-760
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	AFOSR TN 58-986
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	AFOSR TN 59-1107
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	AFOSR TN 60-1438

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JOHNS HOPKINS UNIV BALTIMORE MD	AFOSR TN 60-1458
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	AFOSR TN 60-463
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	AFOSR TN 60-568
	AFOSR TN 60-582
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	AFOSR TN 60-656
	AFOSR TN 60-72
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	AFOSR TN 60-96
	AFOSR TR 58-160
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	AFOSR TR 59-125
	AFOSR TR 59-46
	AFOSR TR 59-61
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	AFOSR 4320
	AFOSR 515
	AFOSR 754
	AFOSR 926
	AFOSR 927
	AFOSR 928
	ARL-TR 60-277
	ARL-TR 60-278
JONKER BUSINESS MACHINES INC GAITHERSBURG, MD	AFOSR 1911
	AFOSR 3276
KAISER FOUNDATION RESEARCH INST.	AFCRL-1010
KAMAN NUCLEAR	AFCRL-404
	AFCRL-62-889I
	AFCRL-62-889II
	AFCRL-62-889III
KANSAS STATE UNIVERSITY	AFCRC-TN-59-459
	AFCRC-TN-60-263
	AFCRC-TN-60-277
	AFCRL-TR-60-296
	AFCRL-947
KANSAS UNIV OF LAWRENCE	AFOSR TN 60-341
	AFOSR 1364
	AFOSR 1367
	AFOSR 1369
	AFOSR 1588
	AFOSR 1596
	AFOSR 1820
	AFOSR 1821
	AFOSR 2861
	AFOSR 3683
	AFOSR 3757
	AFOSR 3758
	AFOSR 3759
KAROLINSKA INST STOCKHOLM SWEDEN	AFOSR TN 58-319
	AFOSR TN 59-1006
	AFOSR TN 59-1007
	AFOSR TN 59-340
	AFOSR TN 59-341
	AFOSR TN 59-557
	AFOSR TN 59-558
	AFOSR TN 59-559
	AFOSR TN 59-560
	AFOSR TN 59-565
	AFOSR TN 59-566
	AFOSR TN 59-837
	AFOSR TN 59-838
	AFOSR TN 59-993
	AFOSR TN 60-1074
	AFOSR TN 60-132

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KAROLINSKA INST STOCKHOLM SWEDEN
AFOSR TN 60-1325
AFOSR TN 60-139
AFOSR TN 60-1385
AFOSR TN 60-1403
AFOSR TR 59-161
AFOSR 1240
AFOSR 1241
AFOSR 1292
AFOSR 2088
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AFOSR 3667
AFOSR 3668
AFOSR 4174
AFOSR 4175
AFOSR 4336
AFOSR 4344
AFOSR 507
AFOSR 714

KENT STATE UNIV OHIO
AFOSR TN 59-1019
AFOSR TN 59-261
AFOSR TN 59-263
AFOSR TN 59-397
AFOSR TN 59-886
AFOSR TR 60-109
AFOSR TN 60-376
AFOSR TN 60-671
AFOSR TN 60-868

KENTUCKY UNIV OF LEXINGTON
AFOSR TN 60-1028
AFOSR TN 60-844
AFOSR TN 60-855
AFOSR TR 60-124
AFOSR 121
AFOSR 1320
AFOSR 1368
AFOSR 3669
AFOSR 3670
AFOSR 3671

KIEL, UNIVERSITY OF
ARL-TR 60-339
ARL 166
ARL 62-460

KINGS COLLEGE UNIVERSITY OF LONDON
ARL-TN 60-114
ARL-TN 60-143
ARL-TN 60-165
ARL-TN 60-166
ARL 117
ARL 16
ARL 220
ARL 238
ARL 62-455
ARL 98

KIRUNA GEOPHYSICAL OBSERVATORY
AFCRL-TN-60-611
AFCRL-62-862
AFCRL-62-863

LAB DE PHYSIQUE DES SOLIDES, ORSAY PARIS FRANCE
AFOSR 2963
AFOSR 923

LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES
AFCRC-TR-59-293

LABORATOIRE DE PHYSIQUE, ECOLE NORMALE SUPERIEUR
AFCRL-62-788
AFCRL-988
ARL 231
ARL 98
ARL 62-391
ARL 81

LABORATOIRE DES HAUTES PRESSIONS
ARL-TR 60-518

LABORATOIRE MEDITERRANEEN DE RECH THERMODYN NICE, FRANCE
AFOSR TN 59-1292
AFOSR TN 59-196
AFOSR TN 59-682
AFOSR TN 60-317
AFOSR TN 60-906
AFOSR TN 60-907
AFOSR 2212
AFOSR 3512
AFOSR 3762
AFOSR 3783
AFOSR 966
AFOSR 652

LABORATORY FOR ELECTRONICS, INC.
AFCRC-TR-59-152
AFCRL-TR-60-198
AFCRL-62-147
AFCRL-62-94
AFCRL-959

LABORATORY OF PHYSICS OF THE ATMOSPHERE, PARIS
AFCRL-62-93

LAVAL UNIV QUEBEC CAN
AFOSR TN 58-794
AFOSR TR 59-149
AFOSR TR 59-183
AFOSR 1478

LEES INSTRUMENT RSCH, INC., CAMBRIDGE, MASS.
AFOSR 2856

LEHIGH UNIV BETHLEHEM PA
AFOSR TN 59-679
AFOSR TR 59-200
AFOSR 2816
AFOSR 3273
AFOSR 3419
ARL 62-429

LEICESTER UNIV OF ENGLAND
AFOSR 4190
AFOSR 4346
AFOSR 4347
AFOSR 4348
AFOSR 4349

LEIDEN STATE UNIV OF NETHERLANDS
AFOSR TN 59-959
AFOSR TN 59-960
AFOSR 1040
AFOSR 1846
AFOSR 1847
AFOSR 1848
AFOSR 2976

LESSELLS AND ASSOCIATES
ARL 150

LEXINGTON LABORATORIES, INC.
AFCRL-62-952

LFE ELECTRONICS
AFCRL-62-922

LIBRASCOPE GLENDALE CALIF
AFOSR 2618
AFOSR 2949

LICHTKLIMATISCHES OBSERVATORIUM AROSA
AFCRC-TN-59-493
AFCRC-TR-59-290

LIEGE UNIV OF BELGIUM
AFCRC-TN-59-270
AFCRC-TN-60-296
AFCRC-TN-60-297
AFCRC-TN-60-601
AFCRC-TN-60-639
AFCRL-TN-60-604
AFCRL-TN-60-824
AFCRL-TN-60-826
AFCRL-618
AFCRL-62-233
AFCRL-62-625
AFOSR TN 59-1182
AFOSR TN 59-1214
AFOSR TN 59-839
AFOSR TN 59-860
AFOSR TN 59-963
AFOSR TN 60-392
AFOSR TN 60-677
AFOSR TN 60-890
AFOSR TR 59-24
AFOSR 1874
AFOSR 2013
AFOSR 2620
AFOSR 2704
AFOSR 296
AFOSR 416
AFOSR 756
AFOSR 799

LIGHTNING & TRANSIENTS RESEARCH INSTITUTE
AFCRL-TR-60-376
AFCRL-966

LITTLE INC, ARTHUR D
AFCRC-TN-60-165
AFCRC-TN-59-419
AFCRC-TN-60-768
AFCRC-TR-59-1611
AFCRC-TR-59-1612
AFCRC-TR-59-217
AFCRL-TR-60-250
AFCRL-TR-60-416
AFCRL-13
AFCRL-62-233
AFCRL-633
AFCRL-66
AFCRL-75
AFCRL-99
AFOSR TN 58-1010
AFOSR TN 58-1011
AFOSR TR 59-173
AFOSR TN 59-30
AFOSR 1270

LITTON INDUSTRIES BEVERLY HILLS, CALIF
AFCRC-TR-59-159

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LITTON INDISTRIES BEVERLY HILLS, CALIF	AFCRL-62-390
	AFCRL-62-65
	AFCRL-62-946
	AFOSR TN 60-841
	AFOSR TN 60-842
	AFOSR TN 60-961
	AFOSR TR 59-170
	AFOSR TR 59-07
	AFOSR 982
LOCKHEED AIRCRAFT CORPORATION	AFCRC-TN-59-558
	AFCRC-TN-60-196
	AFCRC-TN-60-250
	AFCRC-TN-60-375
	AFCRC-TN-60-558
	AFCRC-TN-60-588
	AFCRC-TR-59-296
	AFCRC-TR-59-389
	AFCRC-TR-60-158
	AFCRL-198
	AFCRL-477
	AFCRL-62-321
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LOUVAIN UNIV OF BELGIUM	AFOSR TN 59-12
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LOWELL OBSERVATORY	AFCRC-TN-59-273
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	AFCRL 62-1152
LOWELL TECHNOLOGICAL INSTITUTE	AFCRL-TN-60-647
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LUDWIG-MAXIMILIANS-UNIVERSITAT	AFCRL-62-673
LUND UNIV OF SWEDEN	AFOSR TN 59-572

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LYONS UNIV OF FRANCE	AFOSR TN 59-697
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MADRID UNIV OF SPAIN	AFOSR TR 59-47
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MAINE UNIV OF ORONO MAINE	AFOSR 2113
MAJOR DE SAN ANDRES LA PAZ BOLIVIA	AFOSR TN 60-1341
MANCHESTER UNIVERSITY OF	AFCRC-TN-60-271
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MANDSLEY HOSPITAL LONDON ENGLAND	AFOSR 512
MANITOBA UNIV OF WINNIPEG CAN	AFOSR 601
	AFOSR 230
	AFOSR 2796
	AFOSR 2797
MARQUARDT CORPORATION	ARL-TR 60-299
MARQUETTE UNIV MILWAUKEE WISC	AFOSR 2814

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MARSEILLE UNIV OF FRANCE

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MARTIN CO, BALTIMORE, MD

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MARYLAND UNIV OF COLLEGE PARK

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MARYLAND UNIV OF COLLEGE PARK

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MASSACHUSETTS MENTAL HEALTH CENTER BOSTON	AFOSR 1205

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	AFOSR 503
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	AFOSR TN 60-24
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	AFOSR 2890
	AFOSR 2895
	AFOSR 78
MAUDSLEY HOSPITAL LONDON ENGLAND	AFOSR 1036
	AFOSR 1729
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	AFOSR 3616
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MAX PLANCK INST FUR STROMINGSTECHNIK GOTTINGEN, GERM	AFOSR TN 59-337
	AFOSR TN 60-347
	AFOSR TR 60-71
	AFOSR 1666
	AFOSR 3727
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MAX PLANCK INST FUR ZELLCHEMIE MUNICH GER	AFCRL-TR-60-411
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	AFCRL-424
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MAX PLANCK INST TUBINGEN GERMANY	AFOSR 4360
MCGILL UNIVERSITY	AFCRC-TN-59-292
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METAL HYDRIDES, INC.	AFCRC-TR-59-196
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METEOROLOGY RESEARCH, INC.	AFCRL-62-474
MIAMI UNIV OF FLA	AFOSR TN 58-967
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	AFOSR TN 60-461
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	AFOSR 4070
	AFOSR 4071
	AFOSR 46
	AFOSR 774
MICHIGAN COLLEGE OF MINING AND TECHNOLOGY	AFCRL-481
	AFCRL-696
MICHIGAN STATE UNIV EAST LANSING	AFOSR TN 59-623
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MICROWAVE ENGINEERING LABORATORIES, INC.

AFCRC-TN-59-120
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AFCRC-TN-59-951
AFCRC-TN-59-799
AFCRC-TN-60-140

MICROWAVE ASSOCIATES, INC.

AFCRL-62-364
AFCRL-62-505

MIDWEST APPLIED SCIENCE CORP

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MIDWEST RESEARCH INST KANSAS CITY MO

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MINNESOTA UNIV OF, MINNEAPOLIS

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MISSISSIPPI UNIV OF UNIVERSITY
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AFOSR 4314
AFOSR 4315

MISSOURI UNIV OF COLUMBIA
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AFOSR 3609
AFOSR 3878

MODENA UNIV OF ITALY
AFOSR TN 59-1156
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AFOSR TR 59-76

MONSANTO RESEARCH CORPORATION
AFCRL-62-265
AFCRL-62-600

MONTANA STATE COLLEGE
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AFCRL-402
AFCRL-62-66
AFCRL-62-728

MONTEVIDEO UNIV URUGUAY
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MOTOROLA INC.
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MOUNT ZION HOSPITAL SAN FRANCISCO CALIF
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MT HOLYOKE COLLEGE
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AFCRL-62-1032

NAPLES UNIV OF ITALY
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NATIONAL ACADEMY OF SCIENCES WASH DC
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AFOSR 721

NATIONAL BUREAU OF STANDARDS WASHINGTON DC
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NATIONAL CASH REGISTER CO.
AFCRL-TR-60-182

NATIONAL COMPANY INCORPORATED
AFCRC-TR-60-102
AFCRL-62-294

NATIONAL ENGINEERING SCI CO., PASADENA, CALIF
AFOSR 1977

NATIONAL OBSERVATORY OF ATHENS
AFCRL-62-931

NATURALIA ET BIOLOGIA PARIS FRANCE
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NAVAL RESEARCH LABORATORY
AFCRL-TN-60-1123

NEBRASKA UNIV OF, LINCOLN,
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NEW MEXICO STATE UNIVERSITY
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NEW MEXICO UNIV OF ALBUQUERQUE
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NEW YORK UNIV N Y
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	ARL A2-322
	ARL A2-325
	ARL A2-343
	ARL A2-345
	ARL A7
	ARL-TR 60-31A
	ASDC TR 59-570
NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN	AFOSR TN 60-164
	AFOSR TN 60-245
	AFOSR 117

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NOBEL INST OF PHYSICS, STOCKHOLM, SWEDEN	AFOSR 1565
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	AFOSR 226
	AFOSR 2703
	AFOSR 2975
	AFOSR 3161
	AFOSR 539
	AFOSR 851
	AFOSR 989
NORSKE METEOROLOGISKI INSTITUTT	AFCRL-TN-60-613
	AFCRL-274
NORTH AMERICAN AVIATION, INC.	AFCRL-TR-60-409
	AFCRL-62-328
	AFCRL-985
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	AFOSR TN 60-1164
	AFOSR 1491
	AFOSR 3146
NORTH CAROLINA STATE COLLEGE RALEIGH	AFOSR 3671
NORTH CAROLINA UNIV OF CHAPEL HILL	AFOSR TN 58-699
	AFOSR TN 58-850
	AFOSR TN 59-1080
	AFOSR TN 59-1119
	AFOSR TN 59-1260
	AFOSR TN 59-1261
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NORTH CAROLINA UNIV OF CHAPEL HILL	AFOSR 931
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NORTH STAFFORDSHIRE UNIV COLLEGE OF KEELE ENGLAND	AFOSR 2087
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NORTHEASTERN UNIV BOSTON MASS	AFCRC-TN-59-382
	AFCRC-TN-59-797
	AFCRC-TN-60-103
	AFCRC-TN-60-168
	AFCRC-TN-60-384
	AFCRC-TN-60-574 I
	AFCRC-TN-60-574 II
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	AFOSR 2959
	AFOSR 3899
NORTHWESTERN UNIV EVANSTON ILL	AFOSR TN 58-1007
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	AFOSR 903
	AFOSR 93
	AFOSR 952
	AFOSR 962
	ARL-TR 60-301
	ARL 62-311
NORWAY UNIV OF OSLO	AFOSR TN 60-1349
NORWEGIAN DEFENSE RESEARCH ESTABLISHMENT	AFCRC-TN-60-152
	AFCRC-TR-60-115
	AFCRL-1130
	AFCRL-1133
	AFCRL-908
	AFCRL-932
	AFCRL-934
	AFCRL-62-131
	AFCRL-62-132
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	AFCRL-62-708
	AFCRL-62-967
	AFCRL-736
	AFCRL-96
	AFCRL-97
	ARL 161
	ARL 162
NOTRE DAME UNIV OF SOUTH BEND IND	AFOSR TR 58-166
NOTTINGHAM, UNIVERSITY OF	ARL 62-363
	ARL-TN 60-168
	ARL-TN 60-169
NUCLEAR DEVELOPMENT CORP OF AMERICA	ARL-TR 60-314
NUCLEAR SCIENCE AND ENGINEERING CORPORATION	AFCRC-TR-59-139
	AFCRC-TR-60-112
OAK RIDGE TECHNICAL ENTERPRISES CORP	ARL 62-416
OAR HISTORICAL DIVISION WASH D C	OAR 1
	OAR 10
	OAR 3
	OAR 4
	OAR 5
	OAR 7
	OAR 8
OBSERVATOIRE DE PARIS-MEUDON, FRANCE	AFCRL-TN-60-680
	AFCRL-TN-60-682
	AFCRL-1065
	AFCRL-409
	AFCRL-410
	AFCRL-62-293
	AFCRL-62-604
	AFCRL-62-654
	AFCRL-667
	AFCRL-859
	AFCRL-896
OFFICE OF RESEARCH ANALYSES (IN HOUSE)	AFOSR DRA A1-1
	AFOSR DRA A1-2
	AFOSR DRA A1-3
	AFOSR DRA A1-5
	AFOSR DRA 61-6
	AFOSR DRA A2-1
	AFOSR DRA A2-12
	AFOSR DRA 62-13
	AFOSR DRA 62-17
	AFOSR DRA A2-5
	AFOSR DRA A2-7
	AFOSR DRA A2-9
	AFOSR TR 60-148
	AFOSR TR 60-150
	AFOSR 101
	AFOSR 109
	AFOSR/DRA-62-14
	AFOSR/DRA-62-15
	AFOSR/DRA-62-16
	AFOSR/DRA-62-21
	AFOSR/DRA-62-22
OHIO STATE UNIV COLUMBUS, OHIO	AFCRC-TN-59-498
	AFCRC-TN-59-556
	AFCRC-TN-59-557
	AFCRC-TN-59-56
	AFCRC-TN-59-600
	AFCRC-TN-59-624
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	AFCRC-TN-59-653
	AFCRC-TN-59-668
	AFCRC-TN-59-73
	AFCRC-TN-59-75
	AFCRC-TN-60-102
	AFCRC-TN-60-115
	AFCRC-TN-60-161
	AFCRC-TN-60-260
	AFCRC-TN-60-376
	AFCRC-TN-60-39
	AFCRC-TN-60-795
	AFCRC-TR-59-291
	AFCRC-TR-60-116
	AFCRC-TR-60-165
	AFCR TR-60-222
	AFCRC-TR-60-238
	AFCRL-TN-60-185
	AFCRL-TN-60-674
	AFCRL-TR-60-285
	AFCRL-TR-60-403
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	AFCRL-62-1029

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	AFCRL-62-698
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	AFCRL-62-74
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	AFOSR TN 59-259
	AFOSR TN 59-396
	AFOSR TN 59-545
	AFOSR TN 59-706
	AFOSR TN 59-746
	AFOSR TN 59-757
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	AFOSR TN 59-985
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	ARL A2-331
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	ARL 62-375
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	ARL 62-393
	ARL A2-394
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	ARL A2-420
	ARL A2-430
	ARL A2-431
	ARL A2-432
	ARL A9
	ARL 95
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	ARL-TN 60-141
	ARL-TN 60-152
	ARL-TN 60-154
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	WADC TN 59-280
	WADC TN 59-328
	WADC TN 59-377
	WADC TN 59-391
	WADC TN 59-69
	WADC TR 59-12
	WADC TR 59-5
OHIO STATE UNIVERSITY RESEARCH FOUNDATION	AFCRC-TN-59-119
	AFCRC-TN-59-148
	AFCRC-TN-59-223
	AFCRC-TN-59-428
	AFCRC-TN-59-474
	AFCRC-TN-59-499
	AFCRC-TN-59-54
	AFCRC-TN-59-550
	AFCRC-TN-59-582
	AFCRC-TN-59-623
	AFCRC-TN-59-625

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OHIO STATE UNIVERSITY RESEARCH FOUNDATION	AFCRC-TR-59-182
	AFCRC-TR-59-237
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	AFCRL-TN-60-950
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	AFCRL-62-610
	AFCRL-62-635
	AFCRL-62-636
	AFCRL-62-697
	AFCRL-62-7
	AFCRL-62-813
	AFCRL-62-936
	AFCRL-623
	AFCRL-624
	AFCRL-679
	AFCRL-715
	AFCRL-749
	AFCRL-750
	AFCRL-782
	AFCRL-783
	AFCRL-784
	AFCRL-80
OKLAHOMA STATE UNIVERSITY	AFCRC-TN-60-229
	AFCRC-TN-60-280
	AFCRC-TR-60-2721
	AFCRC-TR-60-27211
	AFCRL-TR-60-401
	AFCRL-62-1123
	AFCRL-62-415
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	AFOSR TN 59-278
	AFOSR TN 59-769
	AFOSR TN 59-775
	AFOSR TN 60-238
	AFOSR TN 60-675
	AFOSR TR 60-115
	AFOSR 2260
	AFOSR 2662
	AFOSR 272
	AFOSR 3533
	WADC TR 59-622
OKLAHOMA UNIV OF NORMAN	AFOSR TN 59-935
	AFOSR TN 60-892
	AFOSR TN 60-900
	AFOSR TN 60-901
	AFOSR TN 60-926
	AFOSR 1992
	AFOSR 2308
	AFOSR 2815
	AFOSR 2868
	AFOSR 4043
	AFCRL-TN-60-807
	AFCRL-62-668
	AFCRL-850
OLIN MATHIESON CHEMICAL CORPORATION	AFOSR/ORA-61-7
	AFOSR-105
ONONDAGA ASSOCIATES, INC.	AFCRL-827
OREGON STATE COLLEGE CORVALLIS	AFOSR 2677
	AFOSR 2678
OREGON STATE UNIVERSITY	AFCRL-62-555
OREGON UNIV OF EUGENE	AFOSR TN 59-295
	AFOSR TN 59-730
	AFOSR 221
	AFOSR 1280
	AFOSR 3608
	AFOSR 4081
	AFOSR 4279
OSLO UNIV OF NORWAY	AFCRC-TN-59-271
	AFCRC-TN-59-425
	AFCRC-TN-59-426
	AFCRC-TN-59-461
	AFCRC-TN-59-470
	AFCRC-TN-59-613
	AFCRC-TN-60-288
	AFCRC-TN-60-436
	AFCRC-TR-59-233
	AFCRC-TR-60-256
	AFCRL-TN-60-288
	AFCRL-TN-60-488
	AFCRL-62-1005
	AFCRL-62-275
	AFCRL-62-276
	AFCRL-62-277

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OSLO UNIV OF NORWAY

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OTTO-HAHN-INSTITUT

AFCRL-62-295

OWENS-ILLINOIS GLASS COMPANY

ARL 180

OWENS ILLINOIS TECHNICAL CENTER

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OXFORD UNIV OF ENGLAND

AFCRC-TN-59-580
AFCRL-62-1101
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OXFORD UNIV OF ENGLAND

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AFOSR 2020
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AFOSR 2022
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AFOSR 4292
AFOSR 4337
AFOSR 499
AFOSR 568
AFOSR 736
AFOSR 824
AFOSR 883
AFOSR 886

PAGE COMMUNICATIONS ENGINEERS, INC.

AFCRL-62-15

PALERMO UNIV OF ITALY

AFOSR TR 59-27

PARIS UNIV OF FRANCE

AFCRC-TN-60-779
AFCRL-926
AFOSR TN 59-224
AFOSR TN 59-417
AFOSR TN 59-48
AFOSR TN 59-49
AFOSR TN 60-294
AFOSR TN 60-689
AFOSR TN 60-917
AFOSR TN 60-961
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AFOSR 3105
AFOSR 3160
AFOSR 385
AFOSR 4362
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PARKE MATHEMATICAL LABORATORIES, INC.

AFCRC-TN-59-137
AFCRC-TN-59-371
AFCRL-TN-60-1109
AFCRL-TN-60-1118
AFCRL-TN-60-1131
AFCRL-TN-60-970
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AFCRL-128
AFCRL-14
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AFCRL-154
AFCRL-317
AFCRL-45
AFCRL-599
AFCRL-6
AFCRL-62-101
AFCRL-62-24
AFCRL-62-796
AFCRL-62-86
AFCRL-62-973
AFCRL-719

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PARKE MATHEMATICAL LABORATORIES, INC.	AFCRL-729
PASTORIZA ELECTRONICS, INC.	AFCRL-1101
PAVIA UNIV OF ITALY	AFOSR 134 AFOSR 2717
PENN STATE UNIVERSITY	AFCRC-TN-59-203 AFCRC-TN-59-221 AFCRC-TN-59-265 AFCRC-TN-59-279 AFCRC-TN-59-407 AFCRC-TN-59-458 AFCRC-TN-59-603 AFCRC-TN-59-618 AFCRC-TN-59-631 AFCRC-TN-59-632 AFCRC-TN-59-659 AFCRC-TN-60-213 AFCRC-TN-60-267 AFCRC-TN-60-483 AFCRC-TN-60-484 AFCRC-TN-60-683 AFCRC-TN-60-684 AFCRC-TR-60-2401 AFCRC-TR-60-2401I AFCRC-TR-60-2401II AFCRL-TN-60-491 AFCRL-TN-60-496 AFCRL-TN-60-601 AFCRL-TN-60-605 AFCRL-TN-60-669 AFCRL-TN-60-691 AFCRL-TR-60-287 AFCRL-TR-60-422 AFCRL-1157 AFCRL-242 AFCRL-267 AFCRL-403 AFCRL-460 AFCRL-477 AFCRL-62-1000 AFCRL-62-1006 AFCRL-62-1007 AFCRL-62-1013 AFCRL-62-1063 AFCRL-62-1079 AFCRL-62-1093 AFCRL-62-454 AFCRL-62-473 AFCRL-62-670 AFCRL-62-800 AFCRL-62-808 AFCRL-62-836 AFCRL-62-887 AFCRL-62-896 AFCRL-837 AFCRL-839 AFOSR TN 57-739 AFOSR TN 58-1136 AFOSR TN 59-1049 AFOSR TN 59-1050 AFOSR TN 59-1051 AFOSR TN 59-1052 AFOSR TN 59-1053 AFOSR TN 59-1054 AFOSR TN 59-1055 AFOSR TN 59-1056 AFOSR TN 59-1057 AFOSR TN 59-1058 AFOSR TN 59-1059 AFOSR TN 59-1060 AFOSR TN 59-1061 AFOSR TN 59-1227 AFOSR TN 59-1228 AFOSR TN 59-1229 AFOSR TN 59-1230 AFOSR TN 59-1231 AFOSR TN 59-1232 AFOSR TN 59-312 AFOSR TN 59-313 AFOSR TN 59-314 AFOSR TN 59-315 AFOSR TN 59-316 AFOSR TN 59-317 AFOSR TN 59-318 AFOSR TN 59-319 AFOSR TN 59-320 AFOSR TN 59-321 AFOSR TN 59-322 AFOSR TN 59-323 AFOSR TN 59-324 AFOSR TN 59-325 AFOSR TN 59-326 AFOSR TN 59-388 AFOSR TN 59-502 AFOSR TN 59-503 AFOSR TN 59-544 AFOSR TN 59-622 AFOSR TN 60-1025 AFOSR TN 60-1070 AFOSR TN 60-113 AFOSR TN 60-1166 AFOSR TN 60-1167 AFOSR TN 60-146 AFOSR TN 60-147 AFOSR TN 60-148 AFOSR TN 60-149 AFOSR TN 60-240 AFOSR TN 60-241 AFOSR TN 60-242 AFOSR TN 60-243 AFOSR TN 60-244

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PENNSYLVANIA UNIVERSITY OF	AFCRC-TN-60-406 AFCRC-TN-60-444 AFOSR TN 57-606 AFOSR TN 59-1110 AFOSR TN 59-1203 AFOSR TN 59-1211 AFOSR TN 59-705 AFOSR TN 60-100 AFOSR TN 60-1127 AFOSR TN 60-1318 AFOSR TN 60-1319 AFOSR TN 60-1320 AFOSR TN 60-1321 AFOSR TN 60-1494 AFOSR TN 60-364 AFOSR TN 60-569 AFOSR TN 60-624 AFOSR TN 60-691 AFOSR TN 60-770 AFOSR TN 60-771 AFOSR TN 60-772 AFOSR TN 60-845 AFOSR TN 60-848 AFOSR TN 60-889 AFOSR TN 60-978 AFOSR TR 59-112 AFOSR TR 59-123 AFOSR 134 AFOSR 1456 AFOSR 1597 AFOSR 1719 AFOSR 1721 AFOSR 1942 AFOSR 1956 AFOSR 2097 AFOSR 2186 AFOSR 2322 AFOSR 2495 AFOSR 2645 AFOSR 2646 AFOSR 2647 AFOSR 3147 AFOSR 3376 AFOSR 3429 AFOSR 3481 AFOSR 3482

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PENNSYLVANIA UNIVERSITY OF	AFOSR 3998
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	AFOSR 4361
	AFOSR 417
	AFOSR 609
	AFOSR 71
	AFOSR 866
	AFOSR 887
	AFOSR 936
	ARL-TR 60-908
	WADC TR 59-274
	WADD TR 60-169
PERKIN-ELMER CORP	AFCRC-TN-60-693
PERKIN-ELMER CORPORATION	AFCRC-TR-59-273
	AFCRL-TR-60-299
PHILCO CORP	AFCRC-TR-59-145
	AFCRC-TR-59-147
	AFCRC-TR-59-379
	AFCRC-TR-60-167
	AFCRL-TR-60-340
	AFCRL-159
	AFCRL-957II
	AFCRL-957(I)
PHILLIPS LABORATORIES IRVINGTON-ON HUDSON NY	AFOSR 3079
	AFOSR 3080
	AFOSR 3081
	AFOSR 3082
PHILLIPS PETROLEUM CO BARTLESVILLE OKLA	AFOSR TN 59-896
	AFOSR TR 59-190
PHYSICAL LABORATORIES THE UNIVERSITY ENGLAND	AFCRC-TN-59-164
	AFCRC-TN-59-388
	AFCRC-TN-59-389
	AFCRC-TR-59-168
PHYSICAL METEOROLOGICAL OBSERVATORY, DAVOS, SWITZERLAND	AFCRL-62-1011
	AFCRL-62-1118
	AFCRL-626
PHYSICAL STUDIES, INC.	AFCRL-62-686
PHYSICS, ENGINEERING, CHEMISTRY CORP	ARL-TR 60-325
	ARL-TR 60-329
	ARL 102
	ARL 62-334
	WADC TR 59-288
	WADC TR 59-319
PICKARD & BURNS INCORPORATED	AFCRC-TN-59-191
	AFCRC-TR-59-175
	AFCRC-TR-60-120
	AFCRL-322
	AFCRL-758
	AFCRL-780
PISA UNIV OF ITALY	AFCRL-62-547
	AFCRL-738
	AFOSR TN 59-111
	AFOSR TN 59-112
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	AFOSR 852
PITTSBURGH UNIV OF PA	AFCRC-TR-59-142
	AFCRL-62-515
	AFOSR TN 57-166
	AFOSR TN 57-487
	AFOSR TN 58-280
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	AFOSR 1396
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	ARL A2-382
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	ARL-TN 60-147
PLANNING RESEARCH CORPORATION	AFCRL-142
	AFCRL-329
	AFCRL-976
PLASMADYNE CORP SANTA ANA CALIF	AFCRL-TR-60-185
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	AFOSR TR 59-104
	AFOSR TR 59-167

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AFOSR 465
AFOSR 475
AFOSR 607
AFOSR 688
AFOSR 998
ARL-TR 60-303

PLESSET ASSOCIATES, INC.

AFCRL-IN-60-1134
AFCRL-TN-60-1153
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AFCRL-591<II>
AFCRL-69
AFCRL-70
AFCRL-720

POLITECNICO DI TORINO ITALY

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AFOSR 1163
AFOSR 16

POLYTECHNIC INSTITUTE OF BROOKLYN

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AFOSR TN 59-188

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POLYTECHNIC INSTITUTE OF BROOKLYN

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POMONA COLLEGE CLAREMONT CALIF	AFOSR TN 59-895
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	AFOSR 1989
	AFOSR 970
PRINCETON UNIVERSITY	AFCRL-TN-60-696
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	AFOSR TN 60-194

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	ARL-TN 60-146
	WADC TN 59-127
PROPULSION RSCH SANTA MONICA CALIF	AFOSR TR 58-132
PROVIDENCE COLLEGE	AFCRC-TR-59-235
	AFCRL-62-465
PSYCHOLOGICAL RESEARCH ASSOCIATES	AFCRC-TN-59-76
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	AFCRC-TN-60-81
	AFCRC-TN-60-82
	AFCRC-TN-60-83
	AFCRC-TN-60-86
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	AFCRC-TR-59-83
	AFCRC-TR-59-87
PUERTO RICO UNIV OF MAYAGUEZ	AFCRC-TN-59-218

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AFOSR 1573
AFOSR 3278
AFOSR 35

PURDUE UNIV. LAFAYETTE, IND

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QUANTUM, INC

WADD TR 59-23

QUEEN MARY COLLEGE LONDON ENGALND

AFOSR 4276

QUEEN-S UNIVERSITY, BELFAST

AFCRC-TN-60-244
AFCRC-TN-60-245
AFCRC-TN-60-246
AFCRC-TN-60-247
AFCRC-TN-60-248
AFCRL-1014
AFCRL-1062 II
AFCRL-1062(I)
AFCRL-1081
AFCRL-1082
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AFCRL-496
AFCRL-62-296
AFCRL-62-646
AFCRL-62-647
AFCRL-62-648
AFCRL-62-679

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AFCRL-890
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ARL 43
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ARL 62-410

QUEENSLAND, UNIVERSITY OF <AUSTRALIA>

AFCRL-TN-60-1119
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RADIATION ENGINEERING LAB.

AFCRL-330

RADIATION INCORPORATED

AFCRL-62-271

RADIO CORPORATION OF AMERICA

AFCRC-TN-59-173
AFCRC-TN-59-966
AFCRC-TN-60-1147
AFCRC-TN-60-134
AFCRC-TN-60-178
AFCRC-TN-60-985
AFCRC-TN-60-749
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AFCRC-TR-59-121
AFCRC-TR-59-177
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AFCRL-974
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AFOSR TN 60-496
AFOSR TN 60-997
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AFOSR 6142
ARL-TR 60-284
WADD TN 60-20
WADD TR 60-147
WADD TR 60-266

RADIO RESEARCH LABS., <JAPAN>

AFCRL-TR-60-376

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RAYTHEON CO	AFCRC-TN-59-382
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	AFCRC-TN-59-587
	AFCRC-TN-59-964
	AFCRC-TN-60-162
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	AFCRC-TN-60-595
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	AFCRC-TR-60-130
	AFCRC-TR-60-133
	AFCRC-TR-60-151
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	AFCRL-TN-60-799
	AFCRL-TR-60-171
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	AFCRL-360
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	AFCRL-41
	AFCRL-44
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	AFCRL-62-584
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	AFCRL-62-926
	AFCRL-62-931
	AFCRL-62-935
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	AFCRL-923
	AFCRL-931
	AFCRL-962
	AFCRL-98
	ARL X076
RCA VICTOR CO LTD	AFCRC-TR-60-138<I>
	AFCRL-378
	AFCRL-420
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	AFCRL-62-191
	ARL 62-606
READING UNIV OF ENGLAND	AFOSR 2986
	AFOSR 638
RCS SERVICE COMPANY	AFCRC-TN-59-361
REITER, REINHOLD <GERMANY>	AFCRL-415<I>
	AFCRL-415<II>
RENNSELAER POLYTECHNIC INST TROY N Y	AFCRC-TR-60-366
	AFCRL-62-1051
	AFCRL-62-711
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	AFOSR TN 59-880
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REPUBLIC AVIATION CORP FARMINGDALE NY	AFOSR TN 59-1337
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	AFOSR TN 60-1198
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	AFOSR 1763
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RESEARCH CHEMICALS	AFCRL-554
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RESEARCH TECHNOLOGY ASSOCIATES, INCORPORATED	AFCRC-TR-59-172
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RETINA FOUNDATION - INSTITUTE OF BIOLOGICAL AND MEDICAL	AFCRL-62-350
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RHODE ISLAND, UNIVERSITY OF	AFCRL-352
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	AFCRL-62-713
	AFCRL-62-714
	AFCRL-990
	AFCRL-991
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RIAS INC BALTIMORE MD	AFCRL-562
	AFOSR TN 59-[illegible]
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	AFOSR TN 60-412
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RICE INST HOUSTON TEX

AFOSR TN 59-1121
AFOSR TN 60-444
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AFOSR TN 60-882
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ROCHESTER UNIV OF NY

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AFOSR TN 58-588
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ROCHESTER UNIV OF NY

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ROCKETDYNE CANOGA PARK CALIF

AFCRC-TR-60-226
AFCRL-939
AFOSR TN 58-44
AFOSR TN 59-129
AFOSR TN 59-1336
AFOSR TN 59-196
AFOSR TN 59-461
AFOSR TN 59-596
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AFOSR TN 59-878
AFOSR 124
AFOSR TR 59-1
AFOSR TR 59-99
AFOSR TR 60-112
AFOSR TR 60-74
AFOSR 975
ARL-TN 60-115
ARL-TN 60-116
ARL-TR 60-279
ARL-TR 60-280
ARL-TR 60-290
ARL-TR 60-920
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WADD TN 60-29
WADC TR 59-291
WADC TR 59-50

ROME UNIV OF ITALY

AFCRC-TN-59-789
AFCRL-138
AFCRL-62-139
AFCRL-62-177
AFCRL-737
AFOSR TN 59-1014
AFOSR TN 59-1015
AFOSR TN 59-609
AFOSR TN 59-994
AFOSR TN 60-678
AFOSR TR 59-134
AFOSR TR 60-55
AFOSR 1203
AFOSR 2109
AFOSR 2410
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AFOSR 3726
AFOSR 4359
AFOSR 4369

RONSON METALS CORPORATION

AFCRL-578
AFCRL-62-576
AFCRL-958

ROSEMOUNT AERONAUTICAL LABORATORIES

AFOSR/DRA-62-18
AFOSR/DRA-62-19

ROYAL COLLEGE OF SCI AND TECHNOLOGY GLASGOW SCOTLAND

AFOSR TN 58-1037
AFOSR TN 59-105
AFOSR TN 60-348
AFOSR TR 60-61
AFOSR 2027
AFOSR 2213
AFOSR 3781
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AFOSR 917

ROYAL INST OF TECHNOLOGY STOCKHOLM SWEDEN

AFCRC-TN-60-461
AFCRL-TN-60-662
AFCRL-TN-60-676
AFCRL-790
AFCRL-62-59
AFCRL-62-656
AFCRL-62-709
AFCRL-62-789
AFCRL-62-790
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AFCRL-62-83
AFOSR TN 59-661
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AFOSR TN 59-663
AFOSR TN 59-664
AFOSR TN 59-955
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AFOSR TN 59-957
AFOSR TN 60-1259
AFOSR TN 60-175
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AFOSR TR 59-135
AFOSR 1815
AFOSR 196
AFOSR 1969
AFOSR 197
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AFOSR 3216
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AFOSR 330
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AFOSR 3771
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AFOSR 3777

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ROYAL SWEDISH ACADEMY OF SCIENCE	AFCRC-TN-60-144 AFCRC-TN-60-145 AFCRC-TN-60-146 AFCRC-TN-60-147 AFCRC-TN-60-148 AFCRL-490 AFCRL-516 AFCRL-517 AFCRL-518 AFCRL-562 AFCRL-62-1014 AFCRL-62-1015 AFCRL-62-1044 AFCRL-62-1054 AFCRL-62-114 AFCRL-62-115 AFCRL-62-116 AFCRL-62-117 AFCRL-62-118 AFCRL-62-119 AFCRL-62-120 AFCRL-62-121 AFCRL-62-379 AFCRL-62-380 AFCRL-62-381<A> AFCRL-62-381<B> AFCRL-62-401 AFCRL-62-702 AFCRL-62-703 AFCRL-724 AFCRL-725 AFCRL-726
RSCH TRIANGLE INST DURHAM N C	AFOSR 3238
RUTGERS UNIV NEW BRUNSWICK N J	AFCRL-799 AFOSR TN 58-939 AFOSR TN 59-1198 AFOSR TN 59-451 AFOSR TN 59-596 AFOSR TN 60-106 AFOSR TN 60-107 AFOSR TN 60-213 AFOSR TN 60-339 AFOSR TN 60-510 AFOSR TN 60-759 AFOSR TR 59-67 AFOSR TR 60-17 AFOSR 1532 AFOSR 1584 AFOSR 1895 AFOSR 2560 AFOSR 2615 AFOSR 3416 ARL-TN 60-151 ARL-TR 60-137 WADC TN 59-609
SAARLANDES UNIV GERMANY	AFOSR 4283
SAGE LABORATORIES, INC.	AFCRC-TR-59-156
SAN ANDRES UNIV LA PAZ BOLIVIA	AFOSR 3372
SAO PAULO UNIV OF BRAZIL	AFOSR 1434 AFOSR 1435 AFOSR 1436 AFOSR 1437 AFOSR 1438
SASKATCHEWAN UNIVERSITY OF	AFCRC-TN-59-204 AFCRC-TN-59-205 AFCRC-TN-59-480 AFCRC-TN-59-481 AFCRC-TN-59-482 AFCRC-TN-59-606 AFCRC-TN-60-206 AFCRC-TN-60-207 AFCRC-TN-60-208 AFCRC-TN-60-209 AFCRC-TN-60-278 AFCRC-TN-60-279 AFCRC-TR-60-257 AFCRL-466 AFCRL-467 AFCRL-62-691 AFCRL-62-692 AFCRL-62-693 AFCRL-62-694 AFCRL-628 AFCRL-629 AFCRL-630 AFCRL-876 AFCRL-877 AFCRL-62-1036 AFCRL-62-1038
SCHJELDAHL COMPANY	AFCRC-TR-59-258
SCIENTIFIC PLANNING ASSOCIATES CORPORATION	AFCRL-TN-60-654
SEATTLE UNIVERSITY	AFCRC-TN-59-169 AFCRC-TR-59-160
SERVICE BUREAU CORPORATION	AFCRL-801
SFERI-COANDA, PARIS, FRANCE	AFOSR TR 60-2 ARL 27
SHEFFIELD UNIV OF ENGLAND	AFCRC-TN-60-202 AFCRL-1004 AFCRL-62-626 AFCRL-678 AFOSR 4187 AFOSR 4325 ARL-TN 60-175 ARL-TR 60-330 ARL 230 ARL 52
SHOCKLEY TRANSISTOR	AFCRL-933 AFCRL-62-586
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SKIATRON ELECTRONICS & TELEVISION CORP.	AFCRL-TR-60-170
SMITH COLLEGE NORTHAMPTON MASS	AFOSR TN 58-55 AFOSR TR 59-55
SMITHSONIAN INSTITUTE	AFCRC-TR-60-259 AFCRL 1150 AFCRL 1151 AFCRL 1152 AFCRL 1153 AFCRL 1154 AFCRL-491 AFOSR 1406
SOLID STATE MATERIALS CORPORATION	AFCRL-62-593
SOUTH CAROLINA UNIV OF COLUMBIA	AFOSR TN 58-771 AFOSR TN 59-687 AFOSR TN 60-14 AFOSR TN 60-157 AFOSR TN 60-427 AFOSR 1172 AFOSR 3532 AFOSR 3535 AFOSR 3927 AFOSR 3928
SOUTHAMPTON UNIV ENGLAND	AFCRL-62-860 AFCRL-856 AFOSR 2375 ARL-TN 60-168 ARL-TN 60-159 ARL-TN 60-167 ARL-TN 60-178 ARL 130 ARL 143 ARL 144 ARL 145 ARL 188 ARL 222 ARL 249 ARL 62-385
SOUTHERN CALIFORNIA, UNIVERSITY OF	AFCRC-TN-59-216 AFCRC-TN-60-172 AFCRC-TN-60-228 AFCRC-TN-60-785 AFCRL-TN-60-679 AFCRL-TN-60-680 AFCRL-287 AFCRL-682 AFCRL-62-151 AFCRL-62-398 AFCRL-62-797 AFCRL-62-781 AFCRL-62-963 AFCRL-62-970 AFCRL-714 AFCRL-903 AFOSR TN 58-1097 AFOSR TN 58-1131 AFOSR TN 59-1127 AFOSR TN 59-1162 AFOSR TN 59-189 AFOSR TN 59-23 AFOSR TN 59-245 AFOSR TN 59-847 AFOSR TN 59-902 AFOSR TN 60-1002 AFOSR TN 60-103 AFOSR TN 60-1087 AFOSR TN 60-1098 AFOSR TN 60-1176 AFOSR TN 60-1261 AFOSR TN 60-1344

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	AFOSR 2313
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SPACE ELECTRONICS CORPORATION	AFCRL-TR-60-370
SPACE RECOVERY SYSTEMS INC	AFOSR/ORA-62-2
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SPACE TECHNOLOGY LABS., INC.	AFCRL-237
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	AFCRL-62-55
	AFCRL-62-753
SPACE-GENERAL CORPORATION	AFCRL-62-81
SPERRY GYROSCOPE COMPANY	AFCRC-TN-59-242
	AFCRC-TN-60-122
	AFCRC-TN-60-374
	AFCRC-TN-60-550
	AFCRC-TN-60-596
	AFCRC-TR-59-176
	AFCRC-TR-60-163
SPERRY RAND CORP REMINGTON RAND UNIVAC DIV PHILADELPHIA PA	AFCRC-TN-60-158
	AFCRC-TN-60-572
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	AFOSR 3515
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	AFOSR 2558
	AFOSR 954
ST. BARTHOLOMES-S HOSPITAL LONDON ENGLAND	AFOSR 4194
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	AFCRC-TR-60-223
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	AFCRL-993

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STANFORD RSCH INST. MENLO PARK. CALIF

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WADD TR 60-224

STANFORD UNIV CALIF

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STANFORD UNIV CALIF

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AFOSR TN 60-415

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	AFOSR TN 60-862
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	AFOSR 1996
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	AFOSR 929
	AFOSR 97
	AFOSR 980
	ARL 101
STAUFFER CHEMICAL COMPANY	ARL 62-344
STAVID ENGINEERING, INCORPORATED	AFCRC-TR-59-355
STEVENS INST OF TECHNOLOGY HOBOKEN, N J	AFOSR TN 59-140
	AFOSR TN 59-5
	AFOSR TN 59-511
	AFOSR TN 59-693
	AFOSR TN 60-1481
	AFOSR TN 60-1482
	AFOSR TR 59-140
	AFOSR 1445
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	AFOSR 1695
	AFOSR 1696
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	AFOSR 2588
	AFOSR 2755
	AFOSR 2947
	AFOSR 3392
	AFOSR 3745
	AFOSR 95
	WADC TN 59-169
STOCKHOLM UNIV OF SWEDEN	AFCRC-TN-59-438
	AFCRC-TN-59-662
	AFCRC-TN-59-666
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	AFCRL-414
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	AFOSR 3130
	AFOSR 4293
	AFOSR 737
	AFOSR 738
	AFOSR 739
	AFOSR 740
STRATFORDSHIRE UNIV COLLEGE OF NORTH ENGLAND	AFOSR 2621
	AFOSR 3034
SUNDSTRAND CORP ROCKFORD ILL	AFOSR TN 59-908
	AFOSR TN 60-886
	AFOSR TR 59-91
	AFOSR 156
STRASBOURG UNIV OF FRANCE	AFOSR 2931
	AFOSR 3193
	AFOSR 3194
	AFOSR 420
SYDNEY UNIV OF AUSTRALIA	AFOSR TN 60-1379
	AFOSR 1828
	AFOSR 3111
	AFOSR 3166
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	AFOSR 3618
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	AFOSR 3991
	AFOSR 413

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SYLVANIA ELECTRIC PRODUCTS INC	AFCRC-TN-59-142
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	AFCRC-TN-59-578
	AFCRC-TN-59-964
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	AFCRC-TN-60-59.
	AFCRC-TR-59-136
	AFCRC-TR-59-171
	AFCRC-TR-59-188
	AFCRC-TR-60-100
	AFCRC-TR-60-111
	AFCRC-TR-60-164
	AFCRL-TN-60-990
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	AFCRL-456
	AFCRL-62-193
	AFCRL-62-198
	AFCRL-62-924
	AFCRL-741
	AFCRL-742
SYRACUSE UNIV NY	AFCRC-TN-59-665
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	AFCRC-TR-60-126
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	AFOSR 660
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	AFOSR 880
	AFOSR 972
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	ARL 184
	ARL 187
	ARL 88
SYRACUSE UNIV NY	ARL-TN 60-117
	ARL-TN 60-144
	WADC TN 59-296
	WADC TN 59-299
	WADC TN 59-80
SYSTEM DEVELOPMENT CORPORATION	AFCRC-TN-59-52
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	AFCRC-TN-59-72
	AFCRC-TR-59-276
	AFCRC-TR-59-56
	AFCRC-TN-60-665
	AFCRL-62-969
SYSTEMS RESEARCH LABORATORIES	ARL TM 2
TASKER INSTRUMENTS CORPORATION	AFCRC-TR-59-1201
	AFCRC-TR-59-1201I
	AFCRC-TR-59-1201II
	AFCRC-TR-59-1201IV
	AFCRL-1104
TECHNICAL OPERATIONS, INC., BURLINGTON, MASS.	AFCRC-TR-60-201
	AFCRC-TR-60-239
	AFCRL-475
	AFCRL-62-685
	AFOSR 2592
TECHNICAL RSCH GROUP INC SYOSSET NY	AFCRC-TR-59-112
	AFCRC-TN-59-755
	AFCRC-TN-60-575
	AFCRL-TR-60-181
	AFCRL-919
	AFCRL-904
	AFOSR TN 60-401
	AFOSR TN 60-400
	AFOSR TN 60-827
	AFOSR TR 59-26
	AFOSR 2778
	AFOSR 3904
	AFOSR 66
	AFOSR 67
	AFOSR 68
	AFOSR 69
	AFOSR 70
	WADC TR 59-771
	WADC TR 59-772
TECHNICAL UNIV OF NORWAY TRONDHEIM	AFOSR TN 59-704
	AFOSR TN 59-905
	AFOSR TN 60-1260
	AFOSR 1439
	AFOSR 192
	AFOSR 3921
	AFOSR 3922
	AFOSR 3923
	AFOSR 3924
TECHNION RSCH AND DEVEL FOUND HAIFA ISRAEL	AFOSR TN 59-37
	AFOSR TN 59-620
	AFOSR TN 60-1489
	AFOSR TN 60-165
	AFOSR TN 60-281
	AFOSR TN 60-711
	AFOSR TN 60-860
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	AFOSR TR 59-64
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	AFOSR 44
	AFOSR 640
	AFOSR 859
TECHNISCHE HOCHSCHULE BRANSCHWEIG, GERMANY	AFOSR 3715
TECHNISCHE HOCHSCHULE KARLSRUHE GERM	AFOSR TN 59-226
	AFOSR TN 60-343
	AFOSR TR 58-65
	AFOSR TR 60-194

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	AFOSR TN 60-296
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	AFOSR TR 60-48
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	AFOSR 9108
	AFOSR 9190
	AFOSR 9406
	AFOSR 9423
	AFOSR 9728
	AFOSR 4058
	AFOSR 419
	AFOSR 4339
	AFOSR 4350
	AFOSR 809
TECHNISCHE HOCHSCHULE VIENNA AUSTRIA	AFOSR 1354
	AFOSR 1664
	AFOSR 2667
	AFOSR TR 59-197
	AFOSR TR 60-140
	AFOSR TR 60-18
TECHNISCHE HOCHSCHULE, HANNOVER, GERMANY	AFCRL-559
	AFCRL-62-787
	AFCRL-735
	AFOSR TN 59-291
	AFOSR TR 59-138
	AFOSR TR 59-95
	AFOSR 1160
	AFOSR 1449
	AFCRL-392
TECHNISCHE HOCHSCHULE, STUTTGART GERM	AFOSR TR 59-59
TECHNISCHEN HOCHSCHULE	ARL-TN 60-171
	ARL-TN 60-172
	ARL-TN 60-173
	ARL-TN 60-174
TECHNOLOGY, UNIVERSITY OF	ARL 62-340
	ARL 62-389
	ARL A2-391
	ARL 62-445
	ARL 62-456
	ARL A2-461
	ARL A2-462
TELE-DYNAMIC, INC.	AFCRC-TR-59-269
TEMPLE UNIV PHILADELPHIA PA	AFCRL-TN-60-823
	AFCRL-TR-60-436
	AFCRL-62-455
	AFOSR TN 59-621
	AFOSR TN 59-844
	AFOSR TR 59-168
TENNESSEE UNIVERSITY OF	AFCRC-TN-59-113
	AFCRC-TN-59-553
	AFCRC-TN-59-996
	AFCRL-665
	AFCRL-542
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	AFCRL-980
	AFOSR TN 58-722
TEXACO EXPERIMENT INC, RICHMOND, VA	AFOSR 463
	AFOSR 596
TEXAS INSTRUMENTS INCORPROATED	AFCRL-1014
	AFCRL-62-1120
	AFCRL-62-394
	AFCRL-62-466
	AFCRL-802
TEXAS NUCLEAR CORP	ARL X077
	ARL X078
	ARL X079
	ARL X080
	WADC TN 59-107
	WADC TR 59-91
	WADD TR 60-217
TEXAS TECH COLLEGE LUBBOCK	AFOSR 1816
	AFOSR 293
	AFOSR 934
TEXAS UNIVERSITY OF	AFCRC-TN-59-176
	AFCRC-TN-59-199
	AFCRC-TN-59-498
	AFCRC-TN-59-790
TEXAS UNIVERSITY OF	AFCRC-TN-59-867
	AFCRL-TN-60-1119
	AFCRC-TN-60-166
	AFCRC-TN-60-188
	AFCRC-TN-60-556
	AFCRC-TN-60-557
	AFCRC-TN-60-766
	AFCRC-TN-60-789
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	AFCRL-TR-60-289
	AFCRL-TR-60-377
	AFCRL-TR-60-378
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	AFCRL-62-1087
	AFCRL-62-1801
	AFCRL-62-18011
	AFCRL-62-29
	AFCRL-62-516
	AFCRL-62-517
	AFCRL-62-584
	AFCRL-62-792
	AFCRL-63
	AFCRL-819
	AFOSR TN 58-669
	AFOSR TN 58-683
	AFOSR TN 58-73
	AFOSR TN 59-22
	AFOSR TN 59-287
	AFOSR TN 59-611
	AFOSR TN 59-688
	AFOSR TN 59-90
	AFOSR TN 59-936
	AFOSR TN 59-989
	AFOSR TN 60-1139
	AFOSR TN 60-1375
	AFOSR TN 60-1376
	AFOSR TN 60-954
	AFOSR TR 60-51
	AFOSR 145
	AFOSR 1946
	AFOSR 203
	AFOSR 2344
	AFOSR 2497
	AFOSR 3872
	AFOSR 4274
TEXAS, A & M COLLEGE OF	AFCRC-TN-59-475
	AFCRC-TN-60-256
	AFCRC-TR-59-222
	AFCRC-TR-60-252
	AFCRL-TN-60-688
	AFCRL-TN-60-814
	AFCRL-226
	AFCRL-617
	AFCRL-62-1096
	AFCRL-62-867
	AFCRL-62-867
	AFCRL-800
	AFOSR TN 59-286
	AFOSR TN 60-895
	AFOSR TR 59-206
	AFOSR TR 60-143
	AFOSR 1913
	AFOSR 3217
THERMO ELECTRON ENGINEERING CORP.	AFCRL-62-669
THIOKOL CHEMICAL CORPORATION	AFCRL-586
	AFCRL-62-768
	AFOSR/DRA-62-6
	AFOSR TN 60-285
	AFOSR TR 60-48
	AFOSR TR 60-79
	AFOSR 824
	AFOSR 990
	WADC TN 59-358
	WADD TR 60-269
THOMPSON RAMO WOOLDRIDGE INC	AFCRC-TN-59-443
	AFCRC-TN-60-408
	AFCRC-TN-60-423
	AFCRC-TR-60-258
	AFCRL-TR-60-172
	AFCRL-TR-60-435
	AFOSR TN 60-1305
	AFOSR 1976
	AFOSR 2480
	AFOSR 2593
	AFOSR 2866
	AFOSR 997
TILTMAN LANGLEY LTD SURREY, ENGLAND	AFOSR TN 60-1004
	AFOSR TN 60-993
TOKYO UNIVERSITY OF EDUCATION	AFCRL-TR-61-422
TOLEDO UNIVERSITY OF	ARL 125
TORINO UNIV ITALY	AFOSR TN 60-680
	AFOSR 3780
	AFOSR 4055
TORONTO UNIV OF CAN	AFOSR TN 58-1043
	AFOSR TN 58-860
	AFOSR TN 58-904
	AFOSR TN 59-1166

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TORONTO UNIV OF CAN	AFOSR TN 59-687
	AFOSR TN 59-790
	AFOSR TN 60-191
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	AFOSR TN 60-950
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	AFOSR 1488
	AFOSR 1677
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	AFOSR 1969
	AFOSR 2006
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	AFOSR 3088
	AFOSR 344
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	AFOSR 9694
	AFOSR 9700
	AFOSR 629
	AFOSR 88
	ARL 59
	ARL 62-300
	ARL 62-353
TRAINING CENTER FOR EXPERIMENTAL AERODYNAMICS BRUSSELS BELG	AFOSR TN 59-169
	AFOSR TN 60-237
	AFOSR TN 60-885
	AFOSR 1197
	AFOSR 2490
	AFOSR 3422
	AFOSR 3744
	AFOSR 4238
	AFOSR 4368
TRANSISTOR APPLICATIONS INC	AFCRC-TN-59-117
	AFCRC-TN-59-198
	AFCRC-TN-59-769
	AFCRC-TN-59-989
	AFCRC-TN-60-395
	AFCRC-TR-59-352
	AFCRL-TN-60-1166
	AFCRL-318
	AFCRL-367
	AFCRL-498
	AFCRL-62-100
TRANSITRON ELECTRONIC CORPORATION	AFCRC-TN-59-960
	AFCRC-TN-60-372
	AFCRL-TR-60-379
	AFCRL-901
TRAVELERS WEATHER RESEARCH CENTER	AFCRC-TR-59-271
	AFCRC-TR-60-254
	AFCRL-TN-60-679
	AFCRL-200
	AFCRL-62-492
	AFCRL-62-817
TRG INC	AFCRC-TN-59-993
	AFCRC-TN-60-364
	AFCRC-TR-60-105
	AFCRL-TN-60-762
	AFCRL-TN-60-782
	AFCRL-316
	AFCRL-429
	AFCRL-495
	AFCRL-62-399
	AFCRL-62-757
	AFCRL-62-778
	AFCRL-62-950
TRIESTE UNIV OF ITALY	AFOSR TN 60-1086
	AFOSR 1443
	AFOSR 1500
	AFOSR 1501
	AFOSR 1665
	AFOSR 167
	AFOSR 508
	AFOSR 567
TRINITY COLLEGE HARTFORD CONN	AFOSR TN 58-1059
	AFOSR TR 59-2
TUFTS UNIV MEDFORD MASS	AFCRC-TN-59-141
	AFCRC-TN-59-449
	AFCRL-238
	AFCRL-62-585
	AFCRL-62-855
	AFCRL-917
	AFOSR TN 59-903
	AFOSR TR 60-92
	AFOSR 2120
	AFOSR 3749
TULANE UNIVERSITY	ARL 62-361
TYCO, INC.	AFCRL-1117
	AFCRL-62-156

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TYCO, INC.	AFCRL-62-903
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	AFCRL-62-971
	AFCRL-752
U.S. NAVAL RESEARCH LABORATORY	AFOSR TN 58-140
	AFCRL-TN-60-996
UNITED AIRCRAFT CORP	ARL 62-471
UNIV MAYOR DE SAN ANDRES, LA PAZ, BOLIVIA	AFOSR TN 60-769
	AFOSR TN 60-952
	AFOSR 1945
	AFOSR 2800
	AFOSR 4082
	AFOSR 464
	AFOSR 466
	AFOSR 467
UNIVERSAL MATCH	ARL 127
	WADD TR 60-176
UNIVERSITY COLLEGE GALWAY IRELAND	AFOSR 2181
	AFOSR 2182
	AFOSR 2622
	AFOSR 2911
	AFOSR 4184
	AFOSR 4188
	AFOSR 4244
UPPSALA UNIV SWEDEN	AFCRC-TN-59-281
	AFCRC-TN-60-412
	AFCRC-TN-60-433
	AFCRL-TN-60-614<I>
	AFCRL-TN-60-614<II
	AFCRL-TN-60-663
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	AFOSR 1387
	AFOSR 1447

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UPPSALA UNIV SWEDEN

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ARL-TN 60-340
ARL-TN-46

US LIBRARY OF CONGRESS WASH DC

AFOSR TR 60-175
AFOSR 700
AFOSR 80

US RUBBER CO WAYNE N J

AFOSR 1900
AFOSR 532

UTAH UNIV OF SALT LAKE CITY

AFCRC-TR-60-233
AFCRL-TN-60-657
AFCRL-1022
AFCRL-866
AFOSR TN 58-121
AFOSR TN 58-183
AFOSR TN 58-186
AFOSR TN 58-27
AFOSR TN 59-1
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AFOSR TN 59-1202
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AFOSR TN 60-81
AFOSR TN 60-851
AFOSR TN 60-880
AFOSR TN 60-890
AFOSR TR 58-107
AFOSR 114
AFOSR 1212
AFOSR 1213
AFOSR 1335
AFOSR 1933
AFOSR 1937
AFOSR 1938
AFOSR 1939
AFOSR 1960
AFOSR 2225
AFOSR 6052

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UTAH UNIV OF SALT LAKE CITY

AFOSR 6093
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AFOSR 709
AFOSR 719
AFOSR 822
AFOSR 986
ARL-TR 60-330
WADC TR 59-361

VERMONT UNIV OF BURLINGTON

AFOSR 2124
AFOSR 2125
AFOSR 2126

VETERANS ADMINISTRATION HOSPITAL BOSTON, MASS

AFOSR TN 60-1096

VIDYA INC

ARL 62-328
ARL 62-358
WADD TN 60-1

VIENNA UNIV OF AUSTRIA

AFOSR TN 60-1003
AFOSR TN 60-25
AFOSR TN 60-26
AFOSR TN 60-710
AFOSR TN 60-942
AFOSR TN 60-962
AFOSR 1043
AFOSR 1502
AFOSR 1886
AFOSR 1887
AFOSR 1888
AFOSR 2177
AFOSR 2691
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AFOSR 2978
AFOSR 3100
AFOSR 3102
AFOSR 3159
AFOSR 3761
AFOSR 808
AFOSR 859
AFOSR 896
AFOSR 896

VIRGINIA INST FOR SCI RSCH RICHMOND

AFOSR TR 59-4

VIRGINIA UNIV OF CHARLOTTESVILLE

AFOSR TN 59-1172
AFOSR TN 59-149
AFOSR TN 59-581
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AFOSR TN 60-790
AFOSR TN 60-902
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AFOSR 1020
AFOSR 202
AFOSR 2294
AFOSR 3239
AFOSR 3240
AFOSR 3738
AFOSR 52
AFOSR 996

VITRO CORPORATION OF AMERICA

AFCRC-TN-59-762
AFCRC-TR-60-136
AFCRL-1094
AFCRL-963<I>
AFOSR 1517
AFOSR 3676
AFOSR 860

WACLINE INC

ARL 62-469

WALES UNIV COLLEGE OF ABERYSTWYTH, WALES

AFOSR 2211
AFOSR 3607
AFOSR 4343

WARNER & SWASEY CO

AFCRC-TN-59-262
AFCRC-TR-60-209
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AFCRL-1071
AFCRL-868
AFCRL-868<II>
ARL 8000
ARL 62-314

WASHINGTON STATE UNIV PULLMAN

AFCRC-TR-60-255
AFCRL-62-693
AFOSR TN 60-1057
AFOSR TN 60-20
AFOSR TN 60-590
AFOSR TN 60-699
AFOSR 2218
AFOSR 299
AFOSR 4311
AFOSR 455
AFOSR 496

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WASHINGTON STATE UNIV PULLMAN	AFOSR 457
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WASHINGTON UNIV ST LOUIS MO	AFOSR TN 57-642
	AFOSR TN 57-697
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	AFOSR TN 58-222
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	AFOSR TN 58-420
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	AFOSR TN 58-666
	AFOSR TN 58-804
	AFOSR TN 58-845
	AFOSR TN 58-866
	AFOSR TN 58-946
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WASHINGTON UNIV SEATTLE	AFCRC-TN-59-613
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	AFCRC-TN-59-614
	AFCRC-TN-59-615
	AFCRC-TN-60-174
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	AFCRL-100

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	AFOSR 3026
	AFOSR 3178
	AFOSR 3810
	AFOSR 3811
	AFOSR 3817
	AFOSR 3865
	AFOSR 558
	AFOSR 766
WATERS ASSOCIATES	AFCRC-TR-60-2451
	AFCRC-TR-60-24511
WAYNE STATE UNIV DETROIT MICH	AFOSR TN 57-140
	AFOSR TN 58-1046
	AFOSR TN 59-956
	AFOSR TN 59-1108
	AFOSR TN 59-176
	AFOSR TN 59-206
	AFOSR TN 59-236
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	AFOSR TN 60-371
	AFOSR TN 60-485
	AFOSR TN 60-661
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	AFOSR TN 60-95
	AFOSR TR 60-125
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	AFOSR 1443
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	AFOSR 2760
	AFOSR 3252
	AFOSR 3253
	AFOSR 3256
	AFOSR 3607
	AFOSR 3766
WEATHER SERVICES, INCORPORATED	AFCRC-TN-60-231
WEIZMANN INST OF SCIENCE REHOVOTH ISRAEL	AFCRC-TN-59-276
	AFCRC-TN-59-433
	AFCRC-TN-60-478
	AFCRC-TR-60-211
	AFCRL-TN-60-659
	AFCRL-TN-60-677
	AFCRL-1089
	AFCRL-277
	AFCRL-607

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WEIZMANN INST OF SCIENCE REHOVOTH ISRAEL	AFCRL-444
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	AFCRL-62-201
	AFCRL-62-615
	AFCRL-62-871
	AFCRL-677
	AFCRL-832
	AFCRL-869
	AFOSR TN 59-19
	AFOSR TN 59-292
	AFOSR TN 60-1142
	AFOSR TN 60-307
	AFOSR TN 60-727
	AFOSR TN 60-802
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	AFOSR 4192
	AFOSR 734
	AFOSR 99
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	ARL 234
	ARL 29
WENTWORTH INSTITUTE	AFCRL-816
WESTERN ONTARIO UNIV OF CAN	AFCRC-TN-59-620
	AFCRC-TN-59-621
	AFCRC-TN-59-622
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	AFCRL-TN-60-498
	AFCRL-62-452
	AFCRL-62-699
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	AFOSR 2198
	AFOSR 2939
	AFOSR 3909
	AFOSR 674
	AFOSR 675
	AFOSR 769
WESTERN RESERVE UNIV CLEVELAND OHIO	AFOSR TN 58-1033
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	AFOSR TN 59-1141
	AFOSR TN 59-222
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	AFOSR 3542
WESTINGHOUSE ELECTRIC CORPORATION	AFCRC-TN-59-395
	AFCRC-TN-59-396
	AFCRC-TN-59-792
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AFOSR 1014

DIMMOCK J D
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DIMMOCK T H
AFOSR 825

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DIXON P A
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DIXON T P
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AFOSR 17

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DOBSON R C
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DODSN J D
AFCRL-142

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DOHNANYI J S
AFOSR 3366

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ARL 62-314

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DONALDSON C P
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DONNER T
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AFOSR 1762

DONOHOE P J
AFOSR 269

DONOHUE R
AFCRL-62-743

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DOOLEY J A
ARL P083

DOOLING J S
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ARL X059

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DORSEY W W
AFOSR 394

DOSSETT W
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ARL 148

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DRAKE R
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DURR A M JR
ARL 82

DURVALL G E
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ARL P083

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ARL 24

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EDELMAN M
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EDER G
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KENESHEA T J
AFCRL-62-828

KENK R
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KENNAUGH E M
AFCRC-TN-60-115
AFCRC-TN-59-557

KENNEDY E F
AFCRL-62-162

KENNEDY E J
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KENPNER J
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ARL 62-344

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WADD TR 60-169

KENT T
AFCRL-62-900

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KERITH R A
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KERN C D
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ARL-C041
ARL-C042
ARL-C043
ARL-C044
ARL-C045
ARL-C046
ARL-C047
ARL-C048
ARL-C049
ARL-C050

KERN J
AFCRC-TN-60-621

KERNAN A
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KERNEY K
WADC TR 59-486

KERNEY K P
WADD TR 59-486

KERR D E
AFOSR TR 60-110

KERR J T
AFOSR TN 59-618

KERR O E
AFCRL-1102

KERR O E JR
AFCRL-377

KERR R P
ARL 74
ARL P064
ARL P065
ARL 62-309
ARL P060
ARL P062
ARL P063
ARL 93
ARL P061

KERREBROCK J L
AFOSR TN 60-288
AFOSR 169

KERRISK D J
ARL-TR 60-290

KERSHNER A M
AFCRC-TR-59-17
AFCRC-TR-59-16

KERTH L
AFOSR TN 59-677

KESSEMEIER H
AFOSR 1334

KESSENICH V N
AFCRC-TN-60-754

KESSLER E III
AFCRC-TR-59-244

KESTEN H
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AFOSR 1283
AFOSR 1883
AFOSR 980

KESTIN J
ARL 169
ARL 169
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AFOSR TR 60-53
AFOSR TN 59-393
AFOSR TN 59-394

KEVANE C J
AFOSR 2230

KEY B J
AFOSR TN 59-542

KEYES R T
AFOSR 704
AFOSR 705
AFOSR TN 59-551
AFOSR TN 60-851
AFOSR 1933
AFOSR 4052
AFOSR 4053
AFOSR 4054

KHABBAZ G R
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ARL-TR 60-307

KHARASCH N
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AFOSR 266
AFOSR 267
AFOSR 2323

KHURI N N
AFOSR TN 60-360

KIDD J S
AFOSR TN 59-181

KIDD W
AFCRL-62-859

KIDDER J N
AFOSR 2863
AFOSR 2865
AFOSR 4149

KIEBURTZ R B
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KIEFFER L J
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KILKOON R
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AFOSR 866

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AFCRL-273

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AFOSR 3986

KIM W H
AFOSR TN 59-824

KIMEL S
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AFCRL-TN-60-655
AFCRL-277

KIMURA B
AFOSR TN 59-594

KINDEL P K
AFOSR 1072

KINEYKO W R
AFOSR 825
AFOSR 990

KING A D JR
AFOSR TN 59-688

KING A H
AFCRC-TR-60-151

KING A P
AFCRL-62-376

KING D D
AFCRC-TN-59-789

KING I R
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AFOSR 663

KING J I F
AFCRL-TN-60-603

KING J P
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AFOSR TN 59-1164

KING J S
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KING M A
AFOSR TN 60-817

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AFCRL-62-514

KING R
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AFCRL-TN-60-806
AFCRL-873
AFCRL-874
AFCRL-62-498
AFCRL-62-498
AFCRL-62-1080

KINGSLEY J
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AFOSR TN 60-635

KINGSLEY J D
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AFOSR 4257

KINGSTON A E
AFCRL-433
AFCRL-665

KINGSTON D L
ARL X067
ARL X068

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KINNARD K F
AFCRL-TR-60-410

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AFCRC-TN-59-776
AFCRL-343
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AFOSR 2998
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AFCRL-TN-60-1120
AFCRL-564
AFCRL-62-176
AFCRL-62-356

KINSEY J L
ARL-TN 60-177
ARL-TN 60-180

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KIRKALDY J S
AFOSR 3112

KIRKO I M
AFCRL-TN-60-1129

KIRKPARTRICK M B
AFOSR TN 60-48

KIRKPATRICK C G
AFCRL-62-315

KIRKPATRICK M B
AFOSR TR 60-11

KIROCHKIN I A
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KIRPEDAR S M
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KIRSCHNER S ED
AFOSR 1543

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AFOSR TN 59-844

KIRSHNER N M
AFOSR TN 60-796

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AFCRL-1085
AFCRL-62-868

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KITRILAKIS S S
AFCRL-62-669

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AFOSR TN 58-310
AFOSR 4084

KIVEL B
AFOSR TN 59-289

KIVIOJA L
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KIVIOJA LA
AFCRL-TN-60-824
AFCRL-1035

KIZNER H G
AFOSR 991

KJELL VYENLI
AFOSR TN 60-424

KLAHR D
AFCRL-954

KLAMKIN M S
AFCRL-TN-60-797

KLARMANN J
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AFOSR 4299

KLEMER E V ED
AFOSR 1798

KLEIN C A
ARL X076

KLEIN H G
AFOSR 2039

KLEIN H M
AFOSR TN 60-512
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KLEIN J
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AFCRL-964

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AFOSR 4437

KLEINFELD E
AFOSR TN 59-497

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AFCRL-746
AFCRL-62-40
AFCRL-62-108

KLEINSTEIN G
ARL 91

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AFCRL-301
AFCRL-712
AFCRL-62-910

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AFOSR 4081
AFOSR TN 59-295
AFOSR TN 59-730

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AFCRL-749
AFCRL-62-208

KLERMENS P G
AFCRL-62-596

KLICK D W
AFCRL-292
AFCRL-62-498

KLIMCZAK W J
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AFOSR TN 58-1059

KLIMISHIN I A
AFCRL-953

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ARL X064

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AFCRL-62-853

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AFCRC-TR-59-120III

KLOTZ E S
AFCRL-1104

KLUG C H
AFCRL-429

KLUG H P
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KNIGHT J K
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KNIGHT J M JR
AFCRL-TR-60-183
AFCRL-398

KNIGHT R J
AFOSR 2479

KNOCHE K F
ARL 171

KNOFF J R
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AFCRL-62-281

KNOLL J S
AFOSR TN 60-573
AFOSR TR 60-72

KNOP C M
AFCRC-TN-60-377

KNOPP C F
AFOSR 1100

KNOPS R J
AFOSR 100

KNOTHE H
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AFOSR DRA 61-3
AFOSR DRA 62-17

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AFOSR 1802

KNOX G R
AFOSR 2027

KNOX R S
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KO H C
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AFCRL-931

KO W
AFCRC-TN-59-579

KOBAYAKAWA S
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AFOSR 2468

KOBAYASHI K
AFOSR 3996

KOBAYASHI S
AFOSR 3252
AFOSR 3293
AFOSR 3294

KOBLER A L
AFOSR 3865

KOBRINSKII A E
AFCRC-TN-60-394

KOCH H W
AFOSR TN 57-679

KOCH J E
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KOCH J F
AFOSR 3409

KOCH R C
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WADC TR 59-20

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KODIS R D
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AFCRL-62-598

KOEHLER W R
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KOENIG L S
AFCRL-62-259

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AFOSR 3685
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AFOSR 1987
AFOSR 3988

KOGAN A
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KOGELNIK
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KOH S
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AFCRL-913

KOHAVI Z
AFCRL-62-719

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AFCRL-62-918

KOLK A J
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KOLM H
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AFOSR 3692

KOLMODIN G M
AFOSR 719

KOLODZIEJCZAK J
AFOSR 3654

KOLTHOFF I M
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AFOSR 699
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AFOSR 2996
AFOSR 3946
AFOSR 4352

KOMAR A
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KOMAREK K
ARL 131

KOMAREK K L
ARL 62-329

KOMATSU N
ARL-TR 60-332

KOMONS N A
OAR 7

KONDO J
AFOSR TN 57-166
AFOSR 70

KONDOLEV A I
AFCRC-TN-60-130

KONIG H
AFCRL-TR-60-611

KONORSKI J
AFOSR 1191

KONOWALOW D D
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WADC TN 59-243
ARL-TN 60-157
ARL-TN 60-158

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AFCRC-TR-59-283

KONSOWSKI S G JR
AFOSR TR 60-107

KOO B Y C
AFCRL-62-341

KOON-SANG WAN
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AFOSR TN 59-1303
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KOOZEKANANI S
AFCRL-515

KOPAL K
AFCRC-TN-59-611

KOPAL Z
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AFOSR 325
AFOSR 326
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AFOSR 883
AFOSR 1722
AFOSR 2020
AFOSR 2625
AFOSR 4346
AFOSR 4347
AFOSR 4348
AFOSR 4349

KORNBLUM N
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AFOSR TN 60-217
AFOSR 441

KORNHAUSER E T
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AFOSR 1696

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AFCRL-1061

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KOTIN L
AFOSR TN 60-1248
AFOSR 2731

KOUNS H
AFCRL-62-315

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ARL-TR 60-321
ARL-TR 60-321

KOVER A N
AFCRL-1026

KOZAI Y
AFCRL 1151

KRAAI D A
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KRABBE G L
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AFOSR 4111

KRAUS L
AFCRC-TN-60-195
AFOSR 320
AFOSR 921

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KRAUSE L C
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AFOSR 864
AFOSR 1694
AFOSR 1878
AFOSR 1879
AFOSR 1899

KREGARMAN J J
AFOSR TN 60-1375

KREIDER D L
AFOSR 3975

KREINDLER E
AFOSR 2840

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LOURENS J A
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ARL 182
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ARL 62-371
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AFOSR 1766
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AFOSR 2350
VAN DE RIET E K
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VAN DER MAAS C J
WADC TR 59-2
VAN DER MEULEN P A
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AFOSR TN 59-451
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ARL 62-389
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ARL 214
VAN ORNUM D G
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VAN PATTER D M
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VANCE M F
AFCRL-62-1008
VAND V
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AFOSR TN 59-914

VANDENABEELE M
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AFOSR TR 59-96

VANDENKERCKHOVE J A
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AFOSR 1809

VANDERSLICE J T
AFOSR TN 59-185

VANDEWAUWER J
AFOSR TN 59-12

VANFLEET H B
AFOSR TN 58-27
AFOSR TN 58-103
AFOSR TN 58-184

VANHULSTEYN D B
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ARL 68

VANZULLI A
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AFOSR 1369
AFOSR 1168

VARATHY P
AFOSR TN 59-638

VARDE P
AFOSR TN 59-473

VARDYS M S
AFOSR 4049

VARNEY R N
AFOSR TN 60-944
AFOSR 501
AFOSR TN 60-166

VARON S
AFOSR 3446

VARTANIAN P H
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AFCRC-TN-59-181

VAS I F
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ARL-TN 60-125
ARL-TN 60-164
ARL 198
ARL 62-405

VASSILIADIS A
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AFCRL-TN-60-1107

VASSY E
AFCRL-62-93

VASSY P J
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AFCRL-926

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AFOSR 691

VAUCOULEURS G DE
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VAUGHAN H E
AFCRC-TR-59-207

VAUGHN M T
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AFOSR TN 59-171

VAVOURAS G T
AFOSR TN 60-1167

VEDAM K
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AFOSR TN 60-147
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AFOSR 4131
AFOSR 4132
AFOSR 4134
AFOSR 4135
AFOSR 4137

VEIGAS K W
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AFCRL-62-817

VEIGELE W J
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VELDMAN D J
AFOSR TN 60-1139

VELECKIS E
AFOSR 1107
AFOSR 1108

VELIKHOV E P
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VENDIK O G
AFCRL-512

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VENKATESWARLU P
AFOSR 1022

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AFOSR 1286

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AFOSR 1993
AFOSR 3077

VERDE M
AFOSR TN 60-680
AFOSR 4055

VERDEYEN J T
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AFCRL-62-1071

VERDIECK J F
AFOSR 4051

VERHOFFF J
AFOSR 1775

VERLET L
AFOSR TN 60-689
AFOSR 2529

VERMA S
AFOSR TN 59-126

VERMILYEA D A
AFOSR TR 59-212

VERNIANI F
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AFCRC-TN-59-752
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AFCRL-115
AFCRL-117
AFCRL-905
AFCRL-906
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AFCRL-908
AFCRL-909

VEST R W
ARL Z030
ARL Z031

VESTAL M
ARL 62-426

VESTINE E H
AFCRC-TN-60-621

VETTERS A F
ARL 197
ARL-C070

VEULER U S
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VIAL S
AFOSR 842

VICK L L J
AFOSR 3382

VICKERS T E
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AFCRL-62-152

VICKERS V E
AFCRL-62-172

VICKERS W
AFCRL-62-685

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VIERROCK H
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VIFZEF W
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AFCRL-62-859

VIGANTS A
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AFCRL-62-399

VILNIS F
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VILCSEK F
AFCRL-624

VILENSKII I M
AFCRL-TN-60-956

VILLENEUVE A T
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AFCRL-62-376

VILLI C
AFOSR 1886

VILXSEK F
AFCRL-62-1092

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VINCENT W R
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AFCRC-TN-59-159
AFCRC-TR-59-367

VINCENTI W G
AFOSR TR 59-108

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AFOSR 3098

VINTI J P
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AFOSR TN 60-1254
AFOSR 1480
AFOSR 690

VIOLA C
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AFOSR 508
AFOSR 567

VISICH M
WADC TN 59-121

VISICH M JR
ARL-TN 60-127
AFOSR TN 59-10
AFOSR TN 59-1167

VLIEGER J
AFOSR TN 59-959
AFOSR 1847
AFOSR 1848
AFOSR 1040

VODAR B
ARL-TR 60-318

VOOOPIA S M
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AFCRL-62-376

VOGEL K
ARL 87

VOGEL S
AFCRL-975
AFCRL-62-167
AFCRL-62-904

VOGT M
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AFOSR 3463
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VOLPERT A R
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VOLZ F
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VOLZ F E
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AFCRL-62-856

VON BAUMGARTEN R
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AFOSR 2011
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VON GOELER E
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ARL-N017
ARL-N018

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VON WEYSSENHOFF H
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VON WITTERN W
AFOSR TR 60-194

VONNEGUT B
AFCRL-62-239

VONURFF C A
AFCRC-TR-60-103

VORONA J
ARL P001

VORRES K S
AFOSR 4070
AFOSR 4071

VOULGARIS K
AFOSR 80

VOWINCKEL E
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AFCRL-62-239

VRANA N
AFCRL-62-462

VRATNY F
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AFOSR 261
AFOSR TN 59-302
AFOSR TN 59-404
AFOSR TN 59-602
AFOSR TN 59-1153

VREELAND T JR
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AFOSR TR 58-163

VSEKHSVIATSKAIA I S
AFCRL-970

VYSOKOVSKII D M
AFCRC-TR-59-191

WAARAMAA J
AFCRL-TN-60-647

WACHTMAN J B JR
WADC TR 59-278

WACKELIN H L
AFOSR-106

WADA J Y
AFOSR 2869
AFOSR TN 60-1261

WADDELL J H III
AFCRL-247

WADDELL W
AFOSR TN 60-743

WADDEN W R
AFCRL-62-11
AFCRL-62-756

WADDINGTON G
AFOSR TN 59-493
AFOSR TN 60-1492
AFOSR TR 59-42

WADE H D
AFCRC-TN-60-556

WADSWORTH M
AFOSR TN 59-222
AFOSR TN 59-418

WAESCHE R H
AFOSR 3277

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AFCRL-TN-60-656

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AFCRC-TN-60-755

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AFCRC-TR-60-262

WAGNER W S
AFCRL-790

WAGONER G
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WAH T
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ARL 184

WAHL J J
AFOSR 257

WAHLBECK P G
AFOSR 1109

WAHRHAFTIG A L
ARL 62-426

WAINFAN N
AFOSR TN 59-755

WAINSTEIN L
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WAINWRIGHT E A
AFCRC-TR-59-176

WAIT J R
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ARL-TR 60-273
ARL 219

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WALDECK R
AFOSR 4330

WALDFSKOG R
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AFOSR TR 60-170

WALECKA J D
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AFOSR 1499
AFOSR 2203
AFOSR 3065
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AFOSR 1498

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AFOSR 2314

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ARL F006

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AFCRL-62-807

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WALKER R W
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AFCRC-TN-60-50

WALKER W T III
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ARL 62-350

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AFOSR 2986

WALLACE L
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AFCRL-62-2

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AFOSR 1946

WALLALF R S
AFOSR TN 59-611

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AFOSR 1391
AFOSR 1394

WALLENFELS K
AFOSR 3136

WALLERSTEIN G
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AFOSR TN 58-928
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AFOSR TN 59-930
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AFOSR TN 60-215
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AFOSR TN 60-1000

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AFOSR TN 58-1098

WALLMARK J T
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AFCRL-134

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AFOSR 968

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WALSH J E
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AFOSR 4285

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AFCRL-62-367

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AFCRL-62-330
AFCRL-62-793

WALTERS L G
AFOSR TN 59-768

WALTERS S S
AFCRL-TR-60-362

WALTMAN R
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AFOSR TN 59-966

WALTON D
AFOSR 1852
AFOSR 1914

WAND K
AFOSR 684

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AFCRC-TN-60-596
AFCRC-TR-60-163
AFCRL-791

WANG D Y
ARL 177

WANG H
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WANG J
AFOSR TN 59-1288

WANG K
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AFOSR TN 60-508
AFOSR TN 60-670

WANG K C
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AFOSR 2048

WANG S
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WANNIER G H
AFOSR 3664

WAPSTRA A H
ARL 214

WARBURTON A E A
AFOSR TN 60-1082

WARBURTON G B
AFCRC-TN-60-91

WARBURTON G JR
AFCRC-TN-59-76

WARD J C
AFOSR 2781
AFOSR TN 59-258

WARD L E JR
AFOSR 3608

WARD L G
ARL-TR 60-308

WARD S A
ARL-TR 60-284

WARDEN R C
AFOSR 1468

WARDER R C JR
AFOSR 3045

WARNER L
AFOSR TN 60-208

WARREN J V
AFOSR TR 59-102

WARREN R M
AFOSR TR 59-148

WARREN R P
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AFOSR TN 60-1316
AFOSR 3461

WARREN R W
AFCRL-355

WARSCHAUER D M
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AFCRL-TN-60-1103
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ARL 193
ARL X038
ARL X042
ARL X048
ARL X053
ARL X054
ARL X055
ARL X056
ARL X057

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AFCRL-62-955

WARSHAUER D M
AFCRL-60

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AFOSR TN 60-1025
AFOSR TR 60-159

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WARWICK J W
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AFCRL-62-721

WASHBURN A B JR
AFCRL-769
AFCRL-1096

WASHBURN J
AFOSR 436
AFOSR 3902

WASHBURNE N F
AFOSR TN 59-910

WASILIK J H
AFOSR TN 60-692
AFOSR 3652

WASSERMAN H S
AFOSR TR 59-9

WASSINK F C
AFOSR 4183

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AFCRL-62-884

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AFCRC-TR-59-223
AFCRL-79

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WATSON V R
ARL 69

WATSON W
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AFCRC-TN-59-66

WATT L A K
AFOSR 3665

WATTENDORF F
ARL-178

WATTERSON K F
AFOSR 1366

WATTS J M
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AFCRL-972
AFCRL-991
AFCRL-992
AFCRL-993
AFCRL-994
AFCRL-995

5672 AFOSR 228

5760 ARL 22
ARL 23
ARL 24

5842 AFCRL-1039
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AFCRL-62-1142
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AFCRL-62-267
AFCRL-62-268
AFCRL-62-639
AFCRL-62-843

6020 AFCRL-62-1009
AFCRL-62-689

6291 AFCRC-TR-60-252

6368 AFCRC-TN-59-100
AFCRC-TN-59-103
AFCRC-TN-59-131
AFCRC-TN-59-156
AFCRC-TN-59-160
AFCRC-TN-59-166
AFCRC-TN-59-189
AFCRC-TN-59-952
AFCRC-TN-60-116
AFCRC-TR-59-132
AFCRC-TR-59-137
AFCRC-TR-59-144
AFCRL-TN-60-760
AFCRL-TN-60-761

6373 WADD-TN-60-148

6650 AFCRC-TR-59-265
AFCRL-TN-60-821
AFCRL-686

6669 AFCRC-TR-59-203
AFCRC-TR-60-262
AFCRC-TR-60-267
AFCRL-62-824

6670 AFCRL-1093
AFCRL-62-875

6672 AFCRC-TN-60-466
AFCRC-TR-59-291
AFCRL-TN-60-693
AFCRL-TN-61-202
AFCRL-TR-60-287

6672 CONTINUED

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AFCRL-699

6682 AFCRL-62-234

6683 AFCRC-TN-59-630
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AFCRC-TR-60-249I
AFCRC-TR-60-249II
AFCRL-TN-60-674
AFCRL-423
AFCRL-443
AFCRL-4452

6687 AFCRL-TR-60-280
AFCRL-62-633

6688 AFCRL-TR-60-265
AFCRL-TR-60-428
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AFCRL-402
AFCRL-62-282
AFCRL-62-408

6690 AFCRL-TN-60-659
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AFCRL-62-802

6692 AFCRL-253
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AFCRL-283
AFCRL-284
AFCRL-298
AFCRL-299
AFCRL-400
AFCRL-401
AFCRL-421
AFCRL-430
AFCRL-607
AFCRL-62-1045
AFCRL-62-1101
AFCRL-62-1103
AFCRL-62-1104
AFCRL-62-421
AFCRL-62-649
AFCRL-62-861
AFCRL-830

6694 AFCRC-TN-60-282
AFCRC-TN-60-461
AFCRC-TR-60-344
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AFCRL-TN-60-639
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AFCRL-831
AFCRL-856

6695 AFCRC-TR-60-250
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AFCRL-TN-60-680
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AFCRL-62-427

6697 AFCRC-TN-59-635
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AFCRL-62-685

6698 AFCRC-TN-60-478
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AFCRL-697
AFCRL-689
AFCRL-62-1094
AFCRL-62-229

6698 CONTINUED

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AFCRL-62-680
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AFCRL-62-829
AFCRL-62-867
AFCRL-62-873
AFCRL-895

6750 AFOSR TN 57-639

7013 ARL F005
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WADC-TR-59-118

7013 CONTINUED

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WADC TR 59-21
WADD TR 60-107

7021 ARL X030
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ARL X039
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WADD TR 60-236
WADD TR 60-266

7022 ARL Z009
ARL Z011

7022 CONTINUED

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ARL 62-397
ARL 62-439
ARL 62-452
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ARL-C037
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ARL-C044
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ARL-C046
ARL-C047
ARL-C048
ARL-C049
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ARL-TN 60-186
ARL-TR 60-272
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WADC TR 59-659
WADD TR 59-23
WADD TR 60-184
WADD TR 60-97

7023 ARL 104
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ARL 106
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ARL 92
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ARL-C054
ARL-C055
ARL-C057
ARL-C058

7023 CONTINUED

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ARL-C069
ARL-C071
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ARL-TN 60-180
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ARL-TN-60-181
ARL-TN-60-182
ARL-TN-60-188
ARL-TR 60-285
ARL-113
ARL-200
ARL-202
ARL-203
ARL-62-407
ARL-62-474
ARL-62-475
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WADC TR 59-265
WADC TR 59-274
WADC TR 59-560
WADC TR 59-627
WADC-TN-59-265
WADC-TR-59-512
WADC-TR-59-539
WADC-TR-59-619
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WADD TR 60-189
WADD TR 60-41

7024 ARL Z009
ARL Z006
ARL Z016
ARL Z017
ARL Z020
ARL Z021
ARL Z022
ARL 120
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ARL 156
ARL 177
ARL 181
ARL 182
ARL 98
ARL 62-301
ARL 62-308
ARL 62-316
ARL 62-368
ARL 62-370
ARL 62-371
ARL 62-428
ARL 77
ARL 89
ARL-TN 60-124
WADC TN 59-383
WADC TN 59-384
WADC TN 59-59
WADC TR 59-294
WADD TR 60-103

7041 ARL 46
WADD TR 60-118
WADD TR 60-215

7063 ARL 1
ARL 127
ARL 148
ARL 149
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ARL 149
ARL 169
ARL 174
ARL 184
ARL 186
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ARL 62-398
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ARL 62-457
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ARL-N019
ARL-N021
ARL-N022
ARL-N023
ARL-N024
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ARL-TR 60-307
ARL-TR 60-317
ARL-62-302

7063 CONTINUED

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WADC TN 59-184
WADC TN 59-357
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WADC TR 59-281
WADC TR 59-9
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WADD TN 59-1
WADD TN 60-23
WADD TR 60-105
WADD TR 60-174
WADD TR 60-175
WADD TR 60-230
WADD TR 60-271
WADD TR 60-7

7064 ARL R001
ARL R006
ARL R005
ARL 190
ARL 138
ARL 139
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ARL 176
ARL 189
ARL 190
ARL 213
ARL 243
ARL 260
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ARL 39
ARL 91
ARL 93
ARL 6
ARL 62
ARL 62-307
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ARL 62-359
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ARL 84
ARL 89
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ARL-N009
ARL-N020
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WADC TN 59-388
WADC TN 59-74
WADC TR 59-14
WADC TR 59-222
WADC TR 59-285
WADC TR 59-624
WADC TR 59-717
WADC-TN-59-349
WADD TN 59-6
WADD TN 60-54
WADD TN 60-57
WADD TR 60-234

7065 ARL F002
ARL F003
ARL F004
ARL F006
ARL F007
ARL F008
ARL F009
ARL TM 2
ARL 44

7065 CONTINUED

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ARL 62-323
ARL 62-346
ARL 62-364
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ARL 62-420
ARL 62-430
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ARL 62-432
ARL 62-463
ARL 69
ARL-TN 60-121
ARL-TN 60-141
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WADC TN 59-377
WADC TN 59-81
WADC TR 59-12
WADC TR 59-355
WADC TR 59-4
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WADD TR 60-94

7071 AFMDC-TR-59-8
AFMDC-TR-60-8
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ARL 20
ARL 34
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ARL 62-373
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ARL 89
ARL 9
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ARL-M022
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ARL-166
ARL-167
ARL-168
ARL-179
ARL-210
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WADC-TN-59-336
WADD-TN-60-70

7072 ARL X002
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ARL 62-413 II

7072 CONTINUED

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WADC TN 59-54
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WADD TR 60-147
WADD TR 60-152

7073 ARL H001
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WADD TR 59-486

7112 ARL R001
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ARL P027

7112 CONTINUED

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ARL 62-403
ARL 62-406
ARL 62-416
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ARL-TR 60-314
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WADC TR 59-31
WADC TR 59-772

7114 ARL P039
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ARL P041
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ARL-TN 60-147
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ARL-TN 60-170
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WADC TN 59-254

7114 CONTINUED

WADC TN 59-89
WADC TR 59-356

7115 ARL-TR 60-280

7116 ARL 125
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ARL 26
ARL 27
ARL 57
ARL 60
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ARL 62-336
ARL 62-360
ARL 62-360
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ARL-N012
ARL-N013
ARL-N016
ARL-N017
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WADC TR 59-17
WADC TR 59-291
WADC TR 59-340

7351 WADC TR 59-279

7364 AFCRL-13
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ARL-TR 60-318

7600 AFCRC-TN-59-206
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AFCRC-TN-59-626
AFCRC-TN-59-653
AFCRC-TN-60-217
AFCRC-TN-60-218
AFCRC-TN-60-220
AFCRC-TN-60-465
AFCRC-TR-60-238
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8640 AFCRL-289

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AFCRC-TR-59-17

9672 AFOSR 660

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9761

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9762

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9763

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9764

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ON HOMOTOPY+ ABELIAN H-SPACES MAY 1961 AFOSR 587
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IN GANGLIOS EFFECT OF ABLATION OF THE FOREBRAIN ONTHULI AFOSR 2504
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CYANIDESAOH A STUDY OP BAPAH INTENSI CYANOGEN AND THE GUANINEGELOCITIES CYANOGEN PLAPES 1961 • OP LOW CYANOGEN•OXYGEN•NITROGEN MIXTURES, CYCLE • OXIDATION OP GLYCOLLAT CYCLE ANHONEBTICAS FOR CASET OP CYCLE AS A ROUTE PCO THE OXIDATION CYCLE PATIGUE JULY 1961 • A CYCLE PATIGUEANCE FEBRUARY 1960• ALU CYCLE PATIGUEBEGINE MAY 1959•2024 ALU CYCLE RAH 1959 • THE PRE•INCUBAT CYCLES. 19 • 1958, SEPTEMBER 1962. CYCLES AND ERGODIC BEHAVIOUR OP A LI CYCLES ERGODICITY AND IRREVERSIBILIT CYCLES IN A CLOSED ECOLOGICAL SYSTEM CYCLIC ADDITIVITY THEOREM OP A PUNCT CYCLIC ERROR•CORRECTING CODES, JUNE CYCLIC ETHYLENE METAL OPCYCLOPENTADIE CYCLIC KETONES 1D.YCLOHEPTADONE CYCLIC KETONES 1IYCLOHEXANONE AND CYCLIC POLYMERS OP CERTAIN LASYMMETR CYCLIC SYSTEPS 1 NOVEMBER 1960 • A CYCLIC,HEOPAL AND MECHANICAL STRESSI CYCLING BEHAVIOR IN 1•DIMENSIONAL, B CYCLOBUTANE AND CYCLOPENTANE • DIFFR CYCLOBUTANE DITHIOBENZIC ACIDS CYCLOHEXADIENONES CONTAINING THERICH CYCLOHEXADIENONE • OP OPTICHLORORETH CYCLOHEXANE • LIQUID MIXTURES PET CYCLOHEXANE•1,4 • PLOUORONE' ANDELAT CYCLOHEXANOUE DEC 1958• KETONES IIYC CYCLONE DEVELOPMENT ON THE NORTH ATL CYCLONE IN THE ARABIAN SEATEWED BY CYCLONE MODELS IN RELATION TO HEAT A CYCLONES AND ANTICYCLONES ASELATED CYCLONES. CASE 1. JULY 1962. • CLOU CYCLONES. JUNE 1962. AN IN CYCLOOCTATETRAENE APR 1961 CYCLOPENTADIENYL DERIVATIVES OP NICK CYCLOPENTADIENYLCOBALTOCARBONYDRO BASES CYCLOPENTANE • DIFFRACTIONEINVESTIGA CYCLOPENTANE APRIL 1961 CYCLOPENTANONE, 1962 CYCLOPENTENES • PROPYNES CYCLOPROPANE PROP ELECTRONIPFRACTION CYCLOSTOME HEARTS • GRAN CYCLOTRON RESCHANCE CYCLOTRON RESCHANCE IN AG0H CYCLOTRON RESCHANCE IN ALUMINUM CYCLOTRON RESCHANCE IN ALUMINUM SEP CYCLOTRON RESCHANCE IN COPPER CYCLOTRON RESCHANCE IN COPPER CYCLOTRON RESCHANCE IN METALS ANDERI CYCLOTRON RESCHANCE IN METALS• EXPER CYCLOTRON RESCHANCE IN TEN CYCLOTRON RESCHANCE INTERACTION AT A CYCLOTRON RESCHANCE LINES IN THE BEA CYCLOTRON RESCHANCE TOBTAIN MICROWAV CYCLOTRON RESCHANCE WAPERIMENTS CYCLOTRON•WAVE RESCHANCEWITHIE INSTABI CYLINDER • CP VARIABLECIRCULA CYLINDER • SHEAR LAYER AT LOW CYLINDER OCT 1960 CONTROL OP CIRCUL CYLINDER • THREE DIPENSIONALITY THE CYLINDER AT NCRPALINCIDENCE FEB 29 60 CYLINDER COATED WITH AMMONOSEMPOUS CYLINDER CONPIGURATIONS MAY 15,961. CYLINDER DEC 1958 CIP CYLINDER DEC 59•ON THE THEORY OP CIP CYLINDER DRAG IN THE TRANSITION FROM CYLINDER POLLOWING PLASTIC EXTENSION CYLINDER IN A SUBSONIC STREAM AHDP CYLINDER IN AIR MARCH 1959• FREE CON CYLINDER IN AIR OCTOBER 1960• HEATRA CYLINDER JAN 1959 • WAVES PROPAGA CYLINDER JUL 1958 • OP THE SUPPA CYLINDER JUL 1960 ELECTRON DE CYLINDER JUNE 59 SCALAR DIP CYLINDER MAY 1959 • BY TWEURBULENT CYLINDER NORPAL TO A SUPERSONIC CYLINDER OCT 15 1958 • THE POTENTIA CYLINDER OP ELLIPTICAL CROSS SECTION CYLINDER OP PINITE LENGTH AUG 1961 CYLINDER SEP 59 • OP ALAME BAY CYLINDER SEPTEMBER 1962.•SLECT ON AIE CYLINDER SURROUNDED BY ANIPCAH PLASH CYLINDER TO AXIAL AIR STREAM WITH CYLINDER WITH A VARIABLE SWAYCEMPED CYLINDER WITH AIELECTRIC COATING. CYLINDER WITHDRAWINPCRM WALL TEMPERA CYLINDER. I.ASOMETRIC OPTICS, DECEMBE CYLINDER•MAY 1960. CONTROL OP CIRCUL CYLINDER, AUHE 1962.•THEMOBECY OP SCA CYLINDER, MAY1962. • PROM A PLAS CYLINDER, SEPTEMBER 1961. SURPACE CYLINDER, SEPTEMBER 1961. • ANTENNA CYLINDER.• ON PREEDOMVECTION HEAT TRA CYLINDER.AUGUST 13, 1960. • GREENS CYLINDERCONTROL MAY 17 59•RESONANCE E CYLINDERDISTRIBUTION • PRESSURE DISTRI CYLINDERS AND SPHERES IN TRANSITIO CYLINDERS ANDRALOGOUS JETS• VISCOUS CYLINDERS ANDROLOGOUS PLOWS DECEMBER CYLINDERS ANDROLOGIES PEB 1959 • HEAT CYLINDERS PINAL REPORTMARCH 8 1959 CYLINDERS IN CROSS PLOW MAY 1960 PI CYLINDERS SOME PROPERTIES OP A STRONG CYLINDERS OP PINITE LENGTH AND PARLA CYLINDERS, AERUARY 10, 1961.• PROPAG CYLINDRICAL BOUNDARYVALUE•S OTHER CYLINDRICAL DO DO • DIPPRACTION BI CYLINDRICAL AND ANNULAR THERETHANDOM CYLINDRICAL AND CONICAL SHELLSUR CYLINDRICAL ANTENNA CURRON CYLINDRICAL CRAPHONS CONTAINSBOOTHE CYLINDRICAL COORDINATE SYSTEM JUNE 1

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APOSR 1356
ARL-TN-60-105
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APOSR TN 59-933
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APOSR TN 59-431
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APOSR TN 59-199
APCRC-TN-59-392
APOSR 124
APOSR TN 59-776
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CYLINDRICAL OBSTACLE • BY THROUGH CP
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CYLINDRICAL SHELL BY A DECAYING
CYLINDRICAL SHELLS HEATED ALONG ANNIA
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ICALG•PLEXLPE CF A TWC• DIMENSICNAL ARC UNDER FORCEE CONVECT AFOSR 1089
VELECITIES IN TWC DIMENSICNAL ASYPPETRIC WAVES JUL 61 AFOSR 4364
GAS ARCLACCINTEC THREE• DIMENSICNAL BCDIES BY THE LINEARIZED AFOSR TN 58-714
N ABOUT SLENDER, THREE• DIMENSICNAL BCDIESUL 1958 • PLC AFOSR 1500
TCRESGLATICNS IN THE 3• DIMENSICNAL CASE JULY 1961• WAVIER•S AFOSR 1332
N IN SLCWLY CIVERGINGC• DIMENSICNAL CHANNELS SEP 1961 • PLO AFCRC-TN-59-130
PACPHERE• DIMENSICNAL DIFFRACTION PROBLEMS AFOSR 2969
JUN 1962 THREE• DIMENSICNAL EFFECTS IN VISCCUS WAKES AFCSR 808
RATE VACCUP JAN 61 CAE DIMENSICNAL FIELC THEORY WITH DEGENE AFOSR 1912
CAPIDENTIAL REPCRT TWC• DIMENSICNAL FILTERING IV' JAN 1962 C AFOSR 1747
PROGRESS•JLL 1962 TWC• DIMENSICNAL FILTERING IV' TECHNICAL AFCSR 211
PACHINES FINALEP•THREE• DIMENSICNAL FLCW IN AXIAL FLOW TURBO AFOSR TN 60-986
CN THREE• DIMENSICNAL FREEPORTING AUG 1960 AFOSR TN 60-229
CP FUEL PACPLETS ENAE• DIMENSICNAL GAS FLCW IN A COMBUSTION AFOSR TN 58-201
TICN FUNCTICN OF A CAE• DIMENSICNAL GAS,,AN 1958 • THE PARTI AFRC-TN-59-166
GHT ANGLED •REGRADE•THC DIMENSICNAL GREENS FUNCTICN FOR A RI AFOSR TN 59-68
ACV 1996 PLETI• DIMENSICNAL INCCPPLETE BLCCK DESIGNS AFOSR TN 59-1257
FCR THE RELATICNS CPAC• DIMENSICNAL INCCMPRESSIBLE VISCOUS AFOSR TN 58-695
• IPPULSIVENTERACTICNAE• DIMENSICNAL INELASTIC COLLISIONS WIT AFCRL-62-904
EP,ULY 1962. THE THREE• DIMENSICNAL INVERSE SCATTERING PROBL AFOSR TN 59-274
T•INTERACTICN CF A TWC• DIMENSICNAL INVISCIC INCOMPRESSIBLEE ARL 62-454
FOR SUPERSCNIC TWC• DIMENSICNAL LAPINAR BASE TYPELOWS AFOSR 3066
R •A THEORY OF THE TWC• DIMENSICNAL LAPINAR BOUNDARYAYER CVE AFOSR TN 59-290
1959, SUPERSCNIC TWC• DIMENSICNAL PAGNETO•YDRODYNAMICLOW AFOSR TN 59-501
CPEN PAPPINGS CN 2• DIMENSICNAL PARIPOLES JUN 1959 AFOSR 4368
PE BOLTZPANNGLATI•N CAE DIMENSICNAL PATHEMATICAL PCDEL FOR T AFOSR TR 60-32
ANSLATEC•SIPILARITY AND DIMENSICNAL PEA•GOS IN PECHANICS. TR AFOSR TN 60-748
6C CAE• DIMENSICNAL PCTCH PCGRAP AFOSR 1802 A
JAN 1962 TWC• DIMENSICNAL PCTCN ALPHERSUN 1960 AFOSR TN 60-94
PLAME SPECIES IN TWC• DIMENSICNAL OPEN ALPHERSUN 1960 AFOSR TN 59-691
PPLICATICN TC • A TWC DIMENSICNAL OPERATOR IDENTITY WITH A AFOSR TN 60-889
THE EXISTENCE CF THREE• DIMENSICNAL PERTURBATICNSN THE REATT AFCSR 411
THE CAE• DIMENSICNAL PLASPA PAR 1961 AFOSR 9604
CN ENERGY BCNCS CF CAE• DIMENSICNAL RANCOP ALLOYS ELECTR ARL 70
CYLINDERPPERSEE IN TWC• DIMENSICNAL RANDFIEC, PLASPA STREAM AFOSR TN 60-1343
CLASSIFICATICN IP PCLOP DIMENSICNAL REAPANALAN SPACES,ULY WADC TR 59-79
CRY OF THE TWC ARC CAE• DIMENSICNAL RIGID SPHERE FLUIDS THE AFOSR 1493
SILCY CF THREE• DIMENSICNAL ROTATINGCVING WALL JANUA AFOSR TN 58-176
SUPERSCNIC SPEEDS•PREE DIMENSICNAL ROUGHNESS EFFECTSISPHERE AFOSR TR 59-59
CP CENTRELLEC THREE• DIMENSICNAL ROUGHNESS CNDUNCARY AFRC-TN-59-138
INVESTIGATICN CF THREE DIMENSICNAL RTEANSTABILITY FEB 1959 AFCRC-TN-59-138
SCATTERING TWC• DIMENSICNAL SCALAR CASE II THREE•DIP AFOSR TN 60-372
SCALAR CASE II THREE• DIMENSICNAL SCALARASE PAR 1959 AFOSR TN 60-464
II • TWC • AND THREE• DIMENSICNAL SIPPLE CUBICATTICES PAR AAL 62-329
CALCHYS PRCBLEP IN•REE• DIMENSICNAL SPACE•TIME APR 60 • CF AFOSR TN 60-885
ITP•PANWISE•NOTE CN TWC• DIMENSICNAL STRESSES IN LONG BEAMS W AFOSR TN 60-1473
BEATTACPPENT CF A TWC• DIMENSICNAL SUPERSCNIC BOUNDARYER AFOSR 2216
PERPENCICLLEC DIMENSICNAL SUPERSCNIC FLCW FIELCS AFOSR 9600
2 CN THREE• DIMENSICNAL SWIRLING WAVES • PEB 196 AFOSR TN 59-491
CAE• DIMENSICNAL TCPCLOGICAL SEPILATTICES AFOSR 2456
WITH SHOCP•WAVES0•V•TWC• DIMENSICNAL TRANSONIC UNSTEADY FLCW WADC TR 59-355
PEASUREPENTS IN A TWC• DIMENSICNAL TURBULENT JET APR 1962 AFOSR TN 60-172
THE STABILITY CF CAE• DIMENSICNAL VISCOUS FLCWS SCUNDAVES AFOSR 1980
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THREE• DIMENSICNAL VISCOUS WAKES CCT 1961 AFOSR TN 60-1132
CASE ERRCP EVENTS TWC• DIMENSICNAL VISAL TRACKING • RESP AFOSR TN 60-1227
CETERPINANTS CF TWC• DIMENSICNAL VISUALBACKING BEHAVIOR AFCRL-62-321
A CLASS CF THREE• DIMENSICNAL VORTICES., PART I,•FLOCI AFCRL-62-720
PCNENT PULLYONIZEC •CNE DIMENSICNAL WAVE PETION IN A TWC•COM AFOSR TN 60-1199
CYCLING BEPAVICR IN 10 DIMENSICNAL, BILATERAL ITERATIVEETWO AFOSP 2169
CF FIELCS WITH INFINITE DIMENSICNALWARIANCE GACUPS ALG 1960 AFOSR TN 60-226
FJELDS WITH INFINITE• DIMENSICNALWARIANCE GACUPS. II AFOSR TN 58-901
SIPILARITY DIMENSIONLESS PARAPETERS FOR VISCOUS AFOSR TN 59-140
CULES OCT 58 • BEATS CF DIMERIZATION CF ALKALI FLUORIDE PCLE AFOSR TN 60-512
AND ENERGIES CF DIMERIZATION CF ALKALI PETALHALIDES AFOSR 2568
STUCY CF THE BEATS CF DIMERIZATION CF• ALKALI CHLORIDES AFOSR TN 58-694
PIN•SPIN INTERACTICN IN DIMERS CF FREE RADICALS AFOSR TN 59-1114
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CP TUNNELING TC ACTIVE DIODES, DECEMBER 23,960.•APPLICATION
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CP TUNNELING TC ACTIVE DIODES, JUNE 22, 1960. APPLICATIONS
CP TUNNELING TC ACTIVE DIODES, PARCH 1961. APPLICATIONS'
CP TUNNELING TC ACTIVE DIODES, PARCH 20, 1961.•APPLICATIONS
CP TUNNELING TC ACTIVE DIODES, OCTOBER 196C. APPLICATIONS
CP TUNNELING TC ACTIVE DIODES, OCTOBER 24,961.•APPLICATIONS
CP TUNNELING TC ACTIVE DIODES, OCTOBER 3C, 1961•APPLICATION
T APPLICATION OF TUNNEL DIODES, OCTOBER 31, 1961. CIRCUI
CP TUNNELING TC ACTIVE DIODES, SEPTEMBER 15,96O.
A TECHNICLES FOR TUNNEL DIODESCILLATORS, APRIL 1962. • DESIG
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DIPETHYLSULPOXIDE POLAROGA APOSR 690
DIPETHYLSULPOXIDE PSAL REDUCTION CF ARL 62-467
DIPERISING NANOEL TRANSFORMS APR 196 AFOSR TN 60-350
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DINATTIVAZIONE TEMPERANEA DELLE AFOSR TN 59-972
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DIODE CCNVERTER FOR CONVERSICN OF•BA AFCRL-62-960
DIODE DETECTOR PAY 1962 APOSR 3426
DIODE EPISSICTAYLCY CONTRACT PINDINGS AFCRC-TN-60-104
DIODE EPISSICTAYLCY CONTRACT PINDINGS AFCRC-TN-59-382
DIODE EPISSICTAYLCY CONTRACT PINDINGS AFCRC-TN-59-969
DIODE PATRIX CCCER CEC 1959 AFOSR TN 60-231
DIODE PICROWAVE CEVICES, OCTOBER AFCRL-62-46
DIODE NETWORKS ANCEASITIVITY PINIPIZ APOSR 3860
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DIODES AT PICROWAVE FREQUENCIES, SEP AFCRL-62-579
DIODES FINAL REPCRTAY 31, 1962. AFCRL-62-5528
DIODES FOR SWITCHING CIRCUITS DEC AFCRC-TN-59-117
DIODES IN LINEAR NETWORK SYNTHESIS,E APOSR 1898
DIODES OF THE PAPA TYPE SEP 30 59 AFCRC-TR-59-359
DIODES WITH PARASITICSAY 1962•NATLRA APOSR 3908
DIODES, DECEMBER 1960 APPLICATIONS AFCRL-2818'
DIODES, DECEMBER 23,960.•APPLICATION AFCRL-2818'
DIODES, FINAL REPCRT,AY 31, 1962 . AFCRL-62-522A
DIODES, JANUARY 31,962.•APPLICATIONS AFCRL-62-871A'
DIODES, JANUARY 31,962.•APPLICATIONS AFCRL-62-871B'
DIODES, JULY 7, 1961. APPLICATIONS AFCRL-74310'
DIODES, JULY 7, 1961. APPLICATIONS AFCRL-74314'
DIODES, JUNE 22, 1960. APPLICATIONS AFCRL-TN-60-780
DIODES, PARCH 1961. APPLICATIONS' AFOSR-3471B'
DIODES, PARCH 20, 1961.•APPLICATIONS AFOSR-3471A'
DIODES, OCTOBER 196C. APPLICATIONS AFCRL-TN-60-11418
DIODES, OCTOBER 24,961.•APPLICATIONS AFCRL-9801A'
DIODES, OCTOBER 3C, 1961•APPLICATION AFOSR-9801B'
DIODES, OCTOBER 31, 1961. CIRCUI AFCRL-964
DIODES, SEPTEMBER 15,96O. AFCRL-TN-60-11418
DIODESCILLATORS, APRIL 1962. • DESIG AFCRL-62-172
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DIOXIDE AT HIGH TEPPERATURES PART AFRC-TN-59-262
DIOXIDE CONCENTRATICN LIGHT INTENSIT AFOSR 2024
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DIOXIDE JAN 1961 VIBRATION AFOSR 410
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DIOXIDE•, PAY 59 • ANC ABSORPTION AFCRC-TN-59-649
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DIOXIDE•USE CF FLUORICARBCN OILS AND AFOSR 261
DIOXIDE, FEBRUARY 1962. INFRAR AFCRL-62-1157
DIOXIDE, FEBRUARY 1962.• IN THE ACTA AFCRL-62-445
DIOXIDE, JANUARY 1961. INFRAR AFCRL-255
DIOXIDE, PAY 1962 • AT HIGH AMBIENT AFCRL-62-308
DIOXIDE, WATER VAPCR, ANCIARA ATMCSP AFCRL-62-698
DIPHENYL ETHER CALCAIMETER FOR MEASU AFOSR TN 60-208
DIPHENYL ETHERNIC SCPE SIMILAR MCLECU AFOSR TN 59-1224
DIPHENYL NITRIC CHICE• PARAPAGNETIC AFOSR 3879
DIPHENYL NITROCAIDE IN SINGLE CRYSTA AFCSR 133
DIPHENYL PICRYL HYCRAZIL PROT AFOSR TN 60-122
DIPHENYL PICRYL HYCRAZYL AFOSR TN 60-862
DIPHENYL PICRYL HYCRAZYL JUL960 AFOSR TN 60-736
DIPHENYL SULFICE,IPHENYL SULFCRIDE WADC TR 59-960
DIPHENYL SULFONE, OCTOBER 1959 WADC TR 59-560
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DIPHOSPHORUS TRICHICE TETRACHLORICE AFOSR TN 59-575
DIPOLAR PERRITE PCDES TH AFOSR 5265
DIPOLAR PERRITE PCDES JAN 1960 AFOSR TN 60-135
DIPOLE ABOVE AN INFINITE CORRUGATED AFCRL-62-928
DIPOLE ANTENNA COUPLED ELECTROMAGNET AFCRC-TN-60-387
DIPOLE ANTENNAPPERATED IN A CONDUCTIN AFCRL-62-690
DIPOLE ANTENNAS COUPLED ELECTRICALLY AFCRC-TN-60-127
DIPOLE CLOUDS, SEPTEMBER 1960CNPIDEN AFCRC-TN-60-164
DIPOLE FIELC 1956 TRAPPE AFOSR TN 59-240
DIPOLE IN A COLCAISCTROPIC PLASMA AFOSR 1009
DIPOLE IN AN ANISCTROPIC CCLDLASMA AFOSR TN 60-1169
DIPOLE IN AN INTERFACE, MAY 1963. AFCRL-62-961

RADIATION FROM A DIPOLE IN ANISOTROPIC PLASMA AFOSR 1502
FIELDS OF A DIPOLE IN THE PRESENCE OF AN IN PLASP AFCRC-TN-60-551
FIELDS OF A HORIZONTAL DIPOLE IN THEPRESENCE OF A CONDUCTING AFCRL-1167
OF AN ELEMENTARY DIPOLE INANISOTROPIC PLASMAS 1959 AFOSR TN 60-49
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AN ISOTOPIC MOLECULES1• DIPOLE MOMENT INDUCTION IN HOMONUCLE AFCRL-62-686
THE INTRINSIC ELECTRIC DIPOLE MOMENT OFHE PROTON AND THE AFOSR TN 60-454
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ISEARCH ON DISPERSION HARDENING MAY 1962 ARL 62-357
RESEARCH ON DISPERSION HARDENING OCTOBER 1960 ARL-TR 60-288
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ES AND IN PALO•TH•SCLNO DISPERSION IN ETHANE•ETHYLENE MIXTUR AFOSR TN 60-924
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REGION. SPECTROSCOPTICAL DISPERSION OF GASES IN THE INFRARED AFCRL-277
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, P SCATTERIN OCT 1959. DISPERSION RELATICA PRECICTIONS FOR AFOSR TN 59-1313
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PLASMA,JANUARY 1961. DISPERSION RELATIONS IN A STATIONARY APCRL-63
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UICS USAPLIC •A CCAPIAL DISPLACEMENT DIELECTRIC CELL FOR LIG AFOSR TN 58-662
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E LATTICE DYLECTRCN • DISPLACEMENT OF AN ATOP FROP THE ZNS ARL X022
THE CDS LATTICE DISPLACEMENT OF THE CACPIUP ATOM IN ARL X013
SINGLE CRYSTAL CDS DISPLACEMENT OF THE CACPIUP ATOM IN ARL X015
CS BY ELECTRCN•PEARCPE• DISPLACEMENT OF THE SULFUR ATOM IN C ARL X018
ATALYSIS •ELECTRCP•ILIC DISPLACEMENT REACTION N GENERAL ACID AFOSR TN 60-1270
TICSP THE•ELECTRCP•ILIC DISPLACEMENT REACTIONS WITH THE KINE AFOSR 1365
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NTFRACTS •ELECTRCP•ILIC DISPLACEMENT REACTIONSIII, SUBSTITUE AFOSR TN 60-1346
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NPERMATICA AT AITLATICA DISPLAY CONFICENTIAL MAR 60•TARGET I AFCRC-TN-60-1
ALLATICA CP A SITLATICA DISPLAY CONSCLE CONFIDENTIALULY 1959 AFCRC-TN-59-53
TRACING AND DISPLAY EARTH SATELLITES DEC 59 AFCRC-TR-59-370
CP STATE•CP•THE•ANT CP DISPLAY EQUIPMENT PCRSE IN A TEAS AFCRL-976
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AGE SCREEN DIGITAL DATA DISPLAY FOR THE AN-TSQ-1JAN 1959• LA AFCRC-TR-59-113
A SCALE • QUANTITATIVE DISPLAY OF RADAR WEATHER PATTERNS ON AFCRC-TN-60-466
COOL OF THEN•PROJECTCN DISPLAY SYSTEP FOR THE DEVELOPMENT P AFCRC-TR-59-167
NTEC 4••BELS•A STUDY OF DISPLAY SYSTEPS FOR USE IN THE AUGME AFCRL-759
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A PATHEMATICAL EXAPPLE DISPLAYING FEATURES OF TURBULENCE WADC TR 59-92
ATHER FORECASTS IN SAGE DISPLAYS SEP 1959•THE VELOCITY OF WE AFCRC-TN-59-52
TY BEHAVIOR SCPE DISPOSITIONAL CORRELATES OF CONFORMI AFOSR TN 60-1448
COLLECTING, SORTING AND DISSEMINATING SCIENTIFIC DATAAG DAR 1
ICNIC CONCLYMERIZATICN DISSERTATION PAR 1961 STUDIES IN AFOSR 407
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ITSANDAU •OBSISTANCE AS DISSIPATION INTO BODY REACTIVE CIRCU AFCRL-TN-60-1160
EDIA, APRIL 29, 1960. DISSIPATION CP CUMOLENS IN SCNIZEC P AFCRC-TN-60-164
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IN PERCOSETTNE THE DISSIPATION CPUMMER STRATUS AT BURRA AFCRL-412
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GING EXPALSTEAT PER POG DISSIPATION, PART I MAR 31 1959 • EN AFCRC-TR-59-2201
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INON•OCLILIDDIUP AND DISSIPATIVE SYSTEPS FINAL REPORT AFOSR 1869
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CN THE VISCOSITY CP DISSOCIATED AIR SEP 1961 AFOSR 1554
PAL DIFFUSION RATIC IN DISSOCIATED AIRBU 1960 • CN THE THE AFOSR 21
CP SUPERSCNIC DISSOCIATED AND IONIZEDGAS•EQUILTORIU AFOSR 1360
N•CATALYTIC BLAPACE PCR DISSOCIATED COMBUSTION GASES NC AFCRL 612
9 HEAT TRANSFER IN DISSOCIATED COMBUSTION GASES JUL 195 AFOSR TR 59-78
AT TRANSPE••VISCOSITY CP DISSOCIATED GASES FROP SHOCK TUBE ME AFOSR 541
1959•HEAT TRANSFER PRC DISSOCIATED GASES IN A SHOCK TUBECV AFOSR TN 59-1087
CP PARTIALLY DISSOCIATED GASES OCT 1960 AFCSR 18
SLAPACE TEPPERATURES IN DISSOCIATED HIGH•SPEEDGAS PLCUS AFOSR TN 58-1082
A PULLY IONIZEC PULLY DISSOCIATED HYDROGENIC GAS SEP 59 AFOSR TN 59-1076
KINETICS FCR THERMALLY DISSOCIATED LI•D IONMIRS IN SI, AFCRL-5
ACIATION CCCLEC DCEIESN DISSOCIATING ATMOSPHERES • SPEED A AFOSR 1661
RACIATICA CCCLEC DCEIEN DISSOCIATING ATMOSPHERES FEB 1961 AFOSR 697
WCNIES PLCN IN A DISSOCIATING GAS AFOSR 1512
EXPANSICA FAN IN ANEBAL DISSOCIATING GAS AUGUST 1960 ARL-TN 60-167
CCIES JAN 62 LINEARIZED DISSOCIATING GAS PLCN PAST SLENDER B AFOSR 2048
CIES IN A SIPPLETATCPIC DISSOCIATING GAS JAN 1962•SLENDER BO AFOSR 2163
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CASICERREC ASIPPLSICA • DISSOCIATION CP DIATOMIC PCLECULES C ARL-TN 60-146
N INTERACTICN PCCEL PCR DISSOCIATION CP DIATOPICCLECULES•BEA ARL 62-304
C ITS RCLE IN THEVERCE• DISSOCIATION CP HYCROGEN PEROXIDE AN AFOSR 2493
962 REFLECTICA ANC DISSOCIATION CP M2 CN TUNGSTEN MAY 1 AFOSR 2611
ACT •THE IONIZATION ANC DISSOCIATION CP OXYGEN BY ELECTRONMP AFCRC-TN-59-227
ESY •THE IONIZATION ANC DISSOCIATION CP SOME HALOGEN POLECUL AFCRC-TN-59-442
CETERPINATICA CP THE DISSOCIATIONS AFCSR 699
ECCACPICAL CPTIPLM DISSOCIATIVE RECOMBINATION OF A GROUNE ARL 216
DESIGN CP RELIABLECAG• DISTANCE COPPLNICATIONS CIRCUITS•THE AFOSR TN 59-250
EVALLATICN CP VISUAL DISTANCE COPPUTER CP•3O••GPC)RD•1)•PR WADC TR 59-450
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ESSLRE AS A FUNCTICN CP DISTANCE II, OCTOBER 31, 1962. PR AFCRL-62-1011
PERCEPTICN CP DISTANCE IN ANIMAL ECHC LCCATION AFOSR 2026
THE PEASLAEPENT CP DISTANCE IN GENERAL RELATIVITY, ARL P041
THE PEASLAEPENT CP DISTANCE IN GENERAL RELATIVITY, ARL P053
KING A SLRVEY • RACIO DISTANCE MEASLAEPENT ANC PCSITION FI AFCRC-TR-60-191
SCALES PCR SUBJECTIVE DISTANCE NOV 1960 AFOSR 739
WEEN 000 ANC 900 ZENITH DISTANCE, 1960. • OFEPRACTION BET AFCRL-TN-60-820
ELECTRCE•YAPICS AT PALL DISTANCES • U•PAIRS ANC QUANTUP AFOSR TN 59-44
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CA TECHNIQUE FOR VACLUP DISTILLATICA,EP 1961. FRACTICNATI ARL-201
CATA ON FLCWS CP DISTILLEC WATER THRCUGHYLINCRICAL AFOSR 1035
PERPALMECRY FOR DISTINGUISHABLE SPIALESS PARTICLES, AFCRL-TN-60-1153
DEPTH CETERPINATICAS• DISTINGUISHING LANDFAGRCUNDLASTS AFOSR 4147
N THE CORRECTICA CP THE DISTORTED ELECTRCRETINCGRAPH•ICECORDS AFOSR TN 59-336
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FCISSION•PARING IMPLT DISTORTICN ANC OBSERVER OVERLAP CA D AFOSR TN 59-181
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CCESS DISTORTICA DUE TC THE DIFFRACTICN PR AFOSR TN 60-60
ETHERENEAV•IPPCRTANCE CP DISTORTICN IN INELASTIC ENCCUNTERS B AFCRC-TN-60-248
BY THEL•SEP 1961 CN THE DISTORTION OF A WEAK MAGNETIC FIELD AFOSR 1551
EFFECT CP CENTRIFICAL DISTORTION CA THE SPAPEF THE HYCRCGE AFOSR 2150
PROBLEPY PEANS CF A DISTRIBUTED AMPLIFIER WITH AUTOMATIC AFOSR TN 60-164
FUEL RECCRCI ENGINE WITH DISTRIBUTED COMBUSTION JUL960 AFOSR TN 60-806
WITH THC VALLES DISTRIBUTED CN AINITE NUMBER CF AFCSR 815
AN ELASTIC PLATE TC A DISTRIBUTED RANCCP PRESSUR•ARACTERIZE AFOSR 1215
CF CAPACLES BY PEANS CF DISTRIBUTED VCLUME CIRCLES PT IIINAL AFOSR 1926
ITLCE, LATITLCNC ENERGY DISTRIBUTION • RACIATICA BELT.• ALT AFOSR TN 59-166
ANCCENCSINFTRIP•CSP•THE DISTRIBUTION • S••HYCRCXYTRYPTAMINE AFOSR 252
SCLNC FIELC DISTRIBUTION ABCLT A JET CEC 1961 AFOSR 1935
196C WATER VAPCR DISTRIBUTION ABCVE 50, 000 FEET MAY AFCRC-TN-60-457
ATPCSP•EPE, PART ILLIE DISTRIBUTION ANALYSIS OF SCATTERED AFCRL-TR-60-431
LCYCR•PCWER GENERATICA, DISTRIBUTION ANC AIR CONDITIONING ST AFCRL-389
ATER•PCCEPRATECELTR•FLLA DISTRIBUTION ANC CAPTRUP RATICS OF W AFCRL-573
VALLES CP AERCP•RACIAL DISTRIBUTION ANC EFFICIENCIES OF THE AFOSR TN 60-317
FACILS•RATIC • CLARENT DISTRIBUTION ANC FLCW PCOFL FCR LARG AFOSR 2194
CP CRCP SIZE DISTRIBUTION ANC LIGUID WATERCENTENT AFCRC-TN-59-494
CP CRCP SIZE DISTRIBUTION ANC LIGUIC WATERCENTENT AFCRL-62-241
CP CRCP SIZE DISTRIBUTION ANC LIGUIE WATERCENTENT AFCRL-491
CN THE PAGNETIC FIELC DISTRIBUTION ANC CAPE FCRRER•PLANCK ARL 250
INVESTIGATICN CF STRESS DISTRIBUTION ANC STRENGTHMARACTERIST AFCRL-62-179
INVESTIGATICN OF STRESS DISTRIBUTION ANC STRENGTHMARACTERIST AFCRL-968
INVESTIGATION OF STRESS DISTRIBUTION ANC STRENGTHMARACTERIST AFCRL-728
INVESTIGATION OF STRESS DISTRIBUTION ANC STRENGTHMARACTERIST AFCRL-727
THE NECATIVE DIACPINAL DISTRIBUTION ANC THE INCCPPLETEETA ARL-62-461
STRUCTURES•TEPPERATURE DISTRIBUTION ANC THERMAL STRESSES IN AFOSR TN 60-504
CF SEISPIC ENERGY DISTRIBUTION ANCLACIFFERENT TYPES AFCRL-1157
RY • THE PENCING STRESS DISTRIBUTION AT THE PASE OF ATATIENA ARL 25
LAMINAR HEAT TRANSFER DISTRIBUTION AT THE NOSEREGICN OF A ARL-TN 60-127
ICATIONS CP THE PCISSCN DISTRIBUTION ALGLST 1960 SOME APPL ARL-TN 60-119
YL ORCPICCSN TEMPS OF A DISTRIBUTION BETWEEN LIPITING VALUES AFOSR TN 60-50
IRAL DISLCCATCNA•STRESS DISTRIBUTION DUE TC A LOGARITHMIC SP AFOSR 904
CURING CHANGER BLCCD DISTRIBUTION FINAL REPORT 1959 AFOSR TR 59-191
CF SEEKING THE COTIPLM DISTRIBUTION FUNINEAR ANTENNAS, AFCRL-590
S. VERTICAL CCENE DISTRIBUTION FROP UPPERP OBSERVATION AFCRC-TN-59-493
59 AN APPLITTLCE DISTRIBUTION FUNCTION ANALYZER AUG 1 AFCRC-TN-59-950
NTERACTA•SLGGESTEC PAIR DISTRIBUTION FUNCTION FCR STRONGLY I AFOSR TN 59-624
SPHERE SYSTEP•THE PAIR DISTRIBUTION FUNCTION OF A ROSE HARD AFOSR TN 59-739
RE OCSEYSTE•CN THE PAIR DISTRIBUTION FUNCTION OF A HARD SPHE AFOSR TN 60-864
OF ROSE SYSTEP•THE PAIR DISTRIBUTION FUNCTION OF A HARD SPHE AFOSR TN 59-928
STATISTICAL PAIR DISTRIBUTION FUNCTION. GENERALMEORY AFOSR TN 60 435
ICATION CP THC•PARTICLE DISTRIBUTION FUNCTIONS ON THE APPL AFCSR 750
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LLPICE VIBRATICNAL DISTRIBUTION FUNCTIONS FOR CACPIUP S ARL P034
TICES VIBRATICNAL DISTRIBUTION FUNCTIONS FOR CUBIC LAT ARL P033
ACCRCUILIBRIUP DISTRIBUTION FUNCTIONS IN A FLUID AFOSR TN 60-219
PORP CP ECUILIBRILM DISTRIBUTION FUNCTIONS IN ALUID AND AFOSR TN 60-813
ELECTRON CENSITY DISTRIBUTION IN A CYLINDER JUL 1960 AFOSR TN 60-704
N PLASMAET •TEPPERATURE DISTRIBUTION IN A LCW PASS FLUX ARGO ARL 62-388
CP THE CENSITY DISTRIBUTION IN A RARBFIED GASLCW AFOSR TN 60-500
SPIN DISTRIBUTION IN ALIPHATIC NETYLS AFOSR TN 60-809
RADICAL •CN THE CLARENT DISTRIBUTION IN AN ANTENNA WITHOMREC AFCRL-512
INVESTIGATICN OF STRESS DISTRIBUTION IN AN INFLATECBALLOON AFCRC-TN-59-405

SPIN DISTRIBUTION IN METYL RADICALS AFOSR 2579
PERICCIC TEMPERATURE DISTRIBUTION IN LAMINATED SOLIDS WADC TN 59-105
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ICN SPIN DISTRIBUTION IN NAPHTHALENE NEGATIVE AFOSR TN 60-260
E TEMPERATURE DISTRIBUTION IN RADIATING SOLIDS+TIP AFOSR 862
OF ELECTRON DENSITY DISTRIBUTION IN THE TEN CONDSPHERE AFCRL-701
CF THE VERTICAL DISTRIBUTION IN TWILIGHT 1960 AFCRC-TN-59-680
ASUREMENT OF THE VERTICAL DISTRIBUTION IN TWILIGHT, 1960 + RE AFCRC-TN-60-234
ICA OF THE STEADY STATE DISTRIBUTION IN 27?+202 THE SOLUT AFOSR TN 60-79
THE POLCEC ACRPAL DISTRIBUTION JAN 1961 AFCSR 180
THE MULTIVARIATE ACRPAL DISTRIBUTION JUL 61 AFCSR 901
ENTILES OF THE BINCPIAL DISTRIBUTION JUN 1960 PERC AFOSR TN 60-620
ELCPMENTP INITIAL SMIRL DISTRIBUTION JUL 1962 + ON ITS CEN AFOSR 2552
CF THE LIGLID DISTRIBUTION PEIRCE TO THE STUDYP AFOSR TN 59-664
ICTIC VALLE CF THE PAIR DISTRIBUTION NEAR A WALL ASYMP AFOSR TN 60-537
PLLN DISTRIBUTION NEAR THE PCCAL PLANE AFOSR 3505
PCTENTIAL AND CHARGE DISTRIBUTION NEAR THE TIP OF AIAT AFCRC-TN-59-303
ERICA MAY 1962 CN THE DISTRIBUTION CF A ,,CLOSENESS,, CRIT AFOSR 2718
GAPS IN THE DISTRIBUTION CF ASTEROICS, 1961 AFCRL 1153
CN THE VERTICAL DISTRIBUTION CF ATPCSPHERICIZCNE BY AFCRL-861
CHEMISTRY AND VERTICAL DISTRIBUTION CF ATCPICITRCGEN IN AFCRL-TR-60-280
RCPST+YIELC AND ANGLEAR DISTRIBUTION CF CERENKOV RADIATION F AFCRL-62-1046
A SAMPLES FROM JRIANCL+ DISTRIBUTION CF CERTAIN STATISTICS I ARL-M004
AR A CHARGEDSPHERICA+THE DISTRIBUTION CF CHARGED PARTICLES NE AFOSR 1870
AY EXCSPHERE 11959+ DISTRIBUTION CF DENSITY IN A PLANETA AFCRC-TN-59-437
AYECSPHERE+SUPPLEMENT TC DISTRIBUTION CF DENSITY IN A PLANETA AFCRL-TN-60-606
JUN 1960 THE ANGLEAR DISTRIBUTION CF EIGENVALUES OF NONEL AFOSR TN 60-1179
NGELLISICAS +THE ENERGY DISTRIBUTION CF ELECTRON FROM IONIZE ARL 105
ING COLLISICNS + ENERGY DISTRIBUTION CF ELECTRONS FROM ICNIZ WADC TN 59-255
NG COLLISICN+THE ENERGY DISTRIBUTION CF ELECTRONS FROM IONIZ ARL-TN-60-144
SULFICE CRYSTALS DISTRIBUTION CF ELECTRONS IN CADMIUM AFOSR TN 60-792
TALCTURE CF ACRP+ON THE DISTRIBUTION CF ENTROPY WITHIN THE S AFOSR 3198
LOTITLCE ANC ALTITLCE DISTRIBUTION CF GECPAGNETICALLYRAPPE AFOSR TN 60-747
SPHERICALTELLAR+ON THE DISTRIBUTION CF HIGH ENERGY STARS IN AFOSR 6047
ESAY +VELCCITY AND SIZE DISTRIBUTION CF IMPACT SPRAY PARTICL AFOSR TN 60-989
S JAN 1960 ANGLEAR DISTRIBUTION CF M L+PESCN SECONDARIE AFOSR TN 60-94
NE SEEKING+ONCTE CN THE DISTRIBUTION CF MINERAL SALTS AND BO AFOSR TN 60-132
THE EARTH+S EXCSPHERE DISTRIBUTION CF NEUTRAL HYDROGEN IN AFOSR TN 59-468
A JET STRENGTH DISTRIBUTION CF NOISE SCURCES ALONG AFOSR 3700
NCISE STCRPS CN THECLA+ DISTRIBUTION CF ORIGIN AND CECAY OF AFCRL-62-275
CENSITY AND RANGE DISTRIBUTION CF RACAR ECHCESRCH AFCRL-62-127
21P1,P22*C12 + ANGLEAR DISTRIBUTION CF RADIATION FCLLOWINGI AFOSR 784
FLAPES. 1.011+JAN 1959. DISTRIBUTION CF RACICALS IN LAMINAR AFOSR TN 59-626
FLAPES. 2.PPL+JAN 1959. DISTRIBUTION CF RACICALS IN LAMINAR AFOSR TN 59-627
PLAPES DISTRIBUTION CF RACICALS IN LAMINAR AFOSR 2495
TECRAIL+SILCIES CN THE DISTRIBUTION CF RADIO ECHCES FROM ME AFCRL-62-128
APPERENT SIIPLLI IAPE+ DISTRIBUTION CF RESPONSES TC SOMATIC +AFOSR 329
FRCP ICC PACESP+ANGLLAR DISTRIBUTION CF SECONDARY ELECTRONS AFOSR 3658
YSTEMP+THE CONCEITICAL DISTRIBUTION CF SETS OF TESTS ON A S AFOSR 3238
RIL962, CN THE VELCCITY DISTRIBUTION CF SPORADIC METEORS, AP AFCRL-62-192
ICEPTEMBER + GECGRAPHIC DISTRIBUTION CF SPREAD F IN THE ARCT AFCRL-62-589
ATCPS JANCE+THE ANGLEAR DISTRIBUTION CF SPUTTERED PCTASSILM AFOSR 540
INTENSITIES INTCACIAL DISTRIBUTION CF THE EMISSICA CF A ARL 88
INME CASE OF LAIFCRM DISTRIBUTION CF THE HELIOCENTRICACIA AFCRL-952
RECALLLATICA CF THE DISTRIBUTION CF THE LOCAL RATE CN AFOSR 4C92
ELCN + THE STATISTICAL DISTRIBUTION CF THE MAGNETIC PICRCFI ARL 40
> N, >FEB, 1959, CN THE DISTRIBUTION CF THE RANDCM VARIABLE AFOSR TN 59-672
> N FEB, 1959, CN THE DISTRIBUTION CF THE RANDCM VARIABLE AFOSR TN 59-671
E ICN ANCLEC+THE HEIGHT DISTRIBUTION CF THE RATIO CF NEGATIV AFCRL-62-1015
VIBRATICAL INTENSITY DISTRIBUTION CF THEIRST NEGATIVE N2 AFCRC-TN-60-207
PICRCWAVEPEGLE+SPATIAL DISTRIBUTION CF THERMAL RACIATION AT AFOSR TN 59-598
A CHANGING MAGNETI+THE DISTRIBUTION CF TRAPPED PARTICLES IN AFOSR 462
CLUSTER SETS ANC THE DISTRIBUTION CF VALLES OFFERCPC MIC AFOSR TN 59-1041
TRATCSPHERE ASETERPINE+ DISTRIBUTION CF WATER VAPCR IN THE S AFCRL-219
G CIRECT NUCLEA+ANGLLAR DISTRIBUTION CF Y RACIATION FCLLCWIN AFOSR 971
GRCWTH IN CI CCPPCLACS DISTRIBUTION CFACICACTIVITY IN PETAB AFOSR 3454
IN THE CASE OF LAIFCRM DISTRIBUTION CFECCENTRIC RACIANTS, AFCRL-62-127
TCTAL ENERGY DISTRIBUTION CFIELC EMISSICA ELECTRO AFOSR TN 58-1136
CN CF THE FREE ELECTRON DISTRIBUTION CFN ICNIZED GAS SEP 59 AFCRC-TN-59-591
THECRETICAL PRESSURE DISTRIBUTION CN A >ERISPHERE+CYLINDE AFOSR TN 58-717
THE ELECTRON VELOCITY DISTRIBUTION CNPACE CHARGE WAVES AFCRC-TN-60-352
VERTICAL CZCNE DISTRIBUTION CVER AROSA SEP 59 AFCRC-TR-59-290
P CEDUCING THE VERTICAL DISTRIBUTION 1960 + METHOC O AFCRC-TN-59-607
IVATION CF A WELL KNCWN DISTRIBUTION, APR 1960 CN A NEW CER AFOSR TN 60-985
PCPENTS CF THE PINCIPAL DISTRIBUTION, INCOMPLETE ABL-M001
PEAK PLAPES. I DISTRIBUTION, AREASNC GRCWTH CURVES AFCRL-600
CF THE VERTICALZCNE DISTRIBUTION, CECEMPER 1, 1961. AFCRL-62-290
IPATION CF THE PINCIPAL DISTRIBUTION, CECEMPER 1960. EST AFCRL-TR-60-367
PAYIC+THE POLCEC ACRPAL DISTRIBUTION, III.+ ACCURACY CF ESTI AFOSR 849
S ANCARIATION + CENSITY DISTRIBUTION, INTERLEVEL CCRRELATION AFCRL-62-815
PITATEC NEGATIVEINCIPIAL DISTRIBUTION, JUNE 1962+ FROM A DECA ARL-62-469
CN THE CETERMINATICA CF DISTRIBUTIONAL CLASSESAN 1961 + P AFOSR 149
>CENTRIP+SPACE DISTRIBUTIONAL HIGHER RANDCM PHASE AFOSR 1696
JEC CLASS CF CCNTACTICLS DISTRIBUTIONS A GENERALI AFOSR TN 58-10
ELCPMENT CF PLLCTLATICN DISTRIBUTIONS + PER THE TIMEEV AFOSR TN 60-909
ELCPMENT CF PLLCTLATICN DISTRIBUTIONS + PER THE TIMEEV AFOSR TN 60-467
CIFFERENTIAL OPERATCRS+ DISTRIBUTIONS ANC GENERAL THECRY CF AFOSR TN 60-94
STUCY CF RAINDRCP+SIZE DISTRIBUTIONS ANC THEIR VARIATIONITH AFCRL-62-1091
PARTITIONS CF PA5S+ DISTRIBUTIONS ANDP CENVER BCDIES PY AFOSR TN 60-110
RINCIPAL ANCEIRELL DISTRIBUTIONS BY THE METHOC PCMENTS, ARL-210
ATICA CF BUCTATICA ECSE DISTRIBUTIONS FEB 1962 + ANDALCUL AFOSR 2669
PART I,+ELCCITY DISTRIBUTIONS FCR STEADY PCTICN OCT AFOSR TN 60-1227
ICNLG 58 PROTCN ANGLEAR DISTRIBUTIONS FRCP CR 52 53 CP REACT AFOSR TN 58-620
ENT CPERYLLIP +ANGLLAR DISTRIBUTIONS FRCP CEUTERCN BOMBARDP AFOSR TN 58-531
PEACTICA+PRCTCN ANGLLAR DISTRIBUTIONS FROP ZN 64 66 67 68 D AFOSR TN 58-666
PICNICCNVERTER+POTENTIAL DISTRIBUTIONS IN A LOW PRESSURE THER AFCRL-202
E SECTICNS INME +STRESS DISTRIBUTIONS JN BEAMS CF THIN+WALLE AFOSR TN 59-174
CF SIZE DISTRIBUTIONS IN BLOWING SPRAYS+I AFOSR TN 60-353
PCRETERMINATICN CF SIZE DISTRIBUTIONS IN BLOWINGPRAYS + I AFOSR TN 59-700
1960 ELECTRON CENSITY DISTRIBUTIONS IN ZAC CRYSTALS N NCV AFOSR TN 60-1352
OF ELECTRON CENSITY DISTRIBUTIONS INLASPA COLLPNS JUL AFOSR TN 60-927
VE HEATING ANC CCCLING+ DISTRIBUTIONS OF ATPCSPHERIC RADIATI AFCRL-TN-60-835
ATICNROP C12JP,+ANGLLAR DISTRIBUTIONS OF 4.43+PEV GAMMA RADI AFOSR 1236
CEC 1958 REACTICA RATE DISTRIBUTIONS ON CATALYTIC SURFACES AFOSR TN 59-432
APR 1960, REACTICA RATE DISTRIBUTIONS ON CATALYTIC SURFACESO AFOSR TN 60-690
EXPPINIMIAL PRISSLRE DISTRIBUTIONS CN A CONICAL ELLIPTICO AFOSR TN 59-10
PAPILLES CF CCNTACTICLS DISTRIBUTIONS 1959 SCME AFOSR TN 59-4
LTE CEVIATICN OPTSCRETE DISTRIBUTIONS 1959 + ANC ABSOL AFOSR TN 59-178
CNS FROP NUCLEAR CHARGE DISTRIBUTIONS+ CP PCSITRONS ANDLECTR AFCSR 175
INTLRE CF INDEPCNENTCEL DISTRIBUTIONS, PARCP 1961 + TC A P ARL-118
PCLES OF ACRCINDELLUTIVE DISTRIBUTIONS+JUN 1961+INTEGRAL MANI AFOSR 888
IATICN THECRCBLCCPADECY DISTRIBUTION LAW IN SEMICLASSICAL BAC AFOSR 3427
ATMCSPHERE VERTICAL DISTRIBUTION CF SCCIUM IN THE UPPER AFCRL-667
RICA DELLAINPFSICLCGIA DISTRIBUZIONE DELLA FREQUENZA DI SCA AFOSR 1242
TOJAN 1961 STUCY CPITPE DISTRIBUTANCE CAUSED BY A MCVING BODY AFCSR 566
TRACED HYPERSCNIC SPALL DISTRIBUTANCE THEORY JUNE 1959 ER WADC TN 59-173
ANC PROPAGATICN CF DISTRIBUTANCES IMPE BLOWING CF SOLIC AFOSR TN 60-336
TIAL PLATECP WITHANCEM DISTRIBUTANCES NOV 1961 + CF AN INER AFOSR 1474

SPCRT+LIVEC SOLAR RACIC DISTRIBUTANCES.AN 60+ ANGULAR SIZE CF AFCRC-TN-60-202
RCN + CIMENSICNS ANC DISTRIBUTICNS CF CUMULUS CLCUCS AS S AFCRL-62-609
CURRENT, GECPHENETIC DISTRIBUTANCE ANC THE VAN ALLENRADIATIC AFCRL-829
A NCTE CN THE PRESSURE DISTRIBUTANCE AT GROUND LEVELAUSED BY AFCSR TN 58-1127
FLARE+SLCCCNCNCSPHERIC DISTRIBUTANCE RELATICNSHIPS, MAY 20, AFCRL-TR-60-289
FIELCS CURINGA ALACRAL DISTRIBUTANCE, NOVEMBER 9, 1962. AFCRL-62-758
CP PESICSCALE DISTRIBUTANCES A NUMERICALEXPERIMENT AFCRL-TN-60-814
NG SOLIC PROPELLANTS + DISTRIBUTANCES AT THE SURFACE OF BURNI AFCSR 919
ANC GEOPHYSICAL DISTRIBUTANCES BURINGLY 1959, PAY AFRCL-649
ALC960 ICNCSPHERIC DISTRIBUTANCES FOLLCWING A SOLAR FLARE AFCRC-TN-60-598
LARGE+SCALETATICNARY DISTRIBUTANCES IN THE ATMCSPHEREEPTEMB AFCRL-TN-60-812
SICE CF LCAC+WAVE DISTRIBUTANCES IN THELPMER SUBTROPICAL AFCRC-TN-60-226
CN INTERACTICNS BITWEEA DISTRIBUTANCES JUL 1959. + PER SMG AFOSR TN 59-701
ES CP THE PHYSICLCGY CF DISTRIBUTANCES CO PCICA CCNTRCLEP 1959 AFOSR TR 59-161
THE INFLLENCE CF SCLAR DISTRIBUTANCES CN VERY LCWFREGLENCY AFCRL-724
ELCTRAGLCECA ICNCSPHERIC DISTRIBUTANCES, FINAL APPCRT, APRIL AFCRL-62-341
SPCNTANECLS ICNCSPHERIC DISTRIBUTANCES, FINALEPORT, JULY 10, AFCRL-TR-60-290II
SPCNTANECLS ICNCSPHERIC DISTRIBUTANCES, JULY 10,960. PART I AFCRL-TR-60-290 I
A, GREENLANCNC MAGNETIC DISTRIBUTANCES, JUNE 1, 1962. + GCDDAY AFCRL-62-1139
RECITCTICN CPENCSPHERIC DISTRIBUTANCES, SEPTEMBER 1960. + IN P AFCRL-TR-60-107
STRATOSPHERE,CTCBER+THE DISTRIBUTED CIRCULATION CF THE ARCTIC AFCRL-TN-60-802
THC MAGNETICALLY DISTURBED DAYS, MAY 6TH, 1960 AND AFCRL-62-352
TICNETHYREN SCME CIALKYL DISULFIDES APPRCD MAY 1961/ + REAC AFOSR TN 59-573
RCLE CF SULFYCRY ANC DISULFIDE GRCUPS AND SUPP RPT NO AFCSR 606
RCLE OF SULFYCRYC ANC DISULFICE GRCUPS APR 1962 AFOSR 2668
ECLILIPTILP STLCIES CN DISULFIDES BY LSE CFAPCR PHASE CHROP AFOSR TN 59-731
CN THE PRCTCLYSIS CP DISULFIDES IN AARGANIC PATRIN AT AFOSR TN 59-572
E I 1 ACCITICN CCPPCLNG DITHIANECCOPCPP + STRUCTURE OF TH AFCRL-646
THE INTERPRECIATE IAPE DITHIONITE REDUCTICA OF DIPHOSPHOPYR AFOSR 1697
REAC P IN THE ARCTIC,E+ DIURNAL AND SEASCNAL VARIATICA CF SP AFOSR 3174
PPCLNG EVESCCTLPAAL AND DIURNAL LEPIECPTERA + IN THE CO AFCRL-62-590
RACTERISTICS CPAIRPEL+ DIURNAL VARIATICN AND SCME CTHER CHA AFOSR 7853
TRECUTP+TH ANALAL AND DIURNAL VARIATICA CF METEOR RATES IN AFCRL-62-734
CVER MALAYA, JUAE + DIURNAL VARIATICA CF SUPPER RAINFALL AFCRL-62-324
OBSERVATICNS CF THE DIURNAL VARIATICN CF 5577 A CI ATACR AFCRL-62-603
RING DARK ACAPTATICA IN DIURNALNC NCCTURNAL LEPIECPTERA + DU AFCRL-62-1024
RYSTALS9EC ANALYSIS CF DIVAL NT NICKEL IN SAPPHIRE SINGLE C AFOSR 7852
RESCNANCE SPECTRLP CF DIVALENT IRCN IN ZINCLUCSILICATE, AFCRC-TN-60-570
ANC OPTICAL SPECTRA CF DIVALENT IRCNA CUBIC FIELCS I THEORY AFCRL-62-930
CHEP, CCRP, ELNTCN DIVARTICJPATICN PRCJ PAR DISE FINAL AFOSR TN 60-801
RPT CP TRICNCL ELNTCN DIVARTICIPATICN 1958 ICCNFICENTIAL AFOSR TN 59-18
ATPCSPHERIC WATER VAPCR DIVERGENCE ANC ITE WATER BALANCE AFCRC-TN-59-409
ICNAL FIELC EQUATICNS + DIVERGENCE CENDITICNS ANC THERAVITAT AFOSR 2944
FEB 1959, CN DIVERGENCE OF RANCCP PCWER SERIES AFOSR TN 59-344
CF THE S PATRIB IA + DIVERGENCE+FREE ITERATIVE EXPANSICN AFOSR 95
PART CF SCME DIVERGENT INTEGRALS WITHPLICATIONS AFOSR TN 59-963
CA X+RAY PICROSCCPE PCR DIVERGENT+DEAPIFFRACTICN + PROJECTI AFOSR TN 60-139
EN REPCEASE AES TYPES DIVERS C APPERENCES I ETUCY PCRACPHY AFOSR TN 60-1314
ER REPCEASE AES TYPES DIVERS O,APPERENCES, II. ETUDE MICRO AFOSR TN 60-1442
TRACELLULAPERIVATICA IN DIVERSE CEREBRAL STRUCTURES + IN IN AFCSR TN 60-1310
ICA CE DIVERSES ORCLGLES PSYCHCTRLPES CHEZ+ AFOSR 1723
CPIA DI CCRRENTI EI CAS DIVERSI INTERAZIONE LAMINARE ISCTA AFOSR 3720
CA PRECLENCY AND TIPE DIVERSITY PCRACING PINARY TRANSMISSI AFCRL-TR-60-169
SCATTER PIELCEARL+SPACE DIVERSITY RECEPTION IN ICRPCSPHERIC AFCRL-62-377
PENT THRCLCP CCCING AND DIVERSITY,JAE 1962. + PCWER IMPCRVE AFCRL-62-383
REP) D+ORTTLCINE CELECT+ DIVERSC ANDAMENTC AEL TEMPC CEI PEND AFOSR TN 59-464
GANIC CRICANIS WITHCLY+ DIVINYLBENZENE SEPT 1961 + CF INOR ARL 219
GANIC CRICANTA WITHCLY+ DIVINYLBENZENE+ JULY 1961 + CF INOR ARL 218
SULFICPILICI NELLA DIVISICNE CELLULARE NELLA PERCGENESI AFOSR 2913
PHYCHLIC CRCLP CA CELL DIVISICNAD PERPHCGENESIS+ CP THE SUL AFOSR 2913
LARGE+ PCR AN ARBITRARY DIVISCR C DN AN ALGERRAICLCPACE+ IN+ AFOSR 3313
962 HIGH+SPEED DOCUMENT PERLSAL, FINAL REPCRT MAY 1 AFOSR 2817
ATICA SCIENCES ICACHINE DOCUMENTATICN + RESEARCH IN INFCRM AFCSR 692
CCMPUTERS ANC DOCUMENTATICN + AUG 15, 1958 AFOSR TN 58-766
+ THECRY CF DOCUMENTATICN ANC SEARCHING STRATEGY AFOSR 2710
CATA IN LARGE AACCMPLEX DOCUMENTATION SYSTEMS+ ACCALPERTICAL AFOSR TN 59-82
THE PROCESSES CF DOCUMENTATICN, FEB 1959 AFOSR TN 59-222
ICA IME BY ICACELEMS CF DOCUMENTATICN, MAR 1959 + DECIS AFOSR TN 59-418
TREATMENT IPART I IS DOCUMENTED AS AFOSR TN9+709, CONTRA AFCSR 415
SIMPTP+PCSPHATE CF THE DOG INTESTINAL MUCOSA + ANCDEND AFOSR 2023
ITTEC BY THE PCTTLENCSE DOLPHIN SOUNCS EP AFOSR 2516
CF THE PCTTLENCSE DOLPHIN WITHELECTRICAL STIMULATION AFOSR 2624
VCCAL EXCHANGES BETWEEN DOLPHINS AFOSR 2296
RCPERTIES CP SCLICS ANS DOLLTICNSENAL REPCRT 1962 + P AFOSR 4318
P SYATHESIS IN THE TIPE DOMAIN + PCR TIPARYING LINEAR SYSTE AFOSR 5857
AS CCTCBER 1959 SINGLE DOMAIN CRITERIA AND THEIR IPPLICATIO WADC TN 59-547
RCAR CURVES THE CCPPLEX DOMAIN OCT 1961+ DIFFERENCES CN A JO AFOSR 1091
CREPS SINGLE+ DOMAIN PARTICLES NEW USES CF CLC THE AFCSR TN 60-61
TRCL SYSTEPS TIPE DOMAIN SYATHESIS CF SAPPLEC+DATA CON AFOSR 3918
ILIZING THE PROPACATICP DOMAIN WALLS JUL 1961 + TIMER UT AFCSR 949
PCWER SERIES JCRCAN DOMAINS AND ABSCLUTE CCNVERGENCE CF AFOSR 3246
E INEQUALITY FOR CCNVEX DOMAINS FEB 1960 AN OPTIPAL POINCAR AFOSR TN 60-248
FIELCS WHICH VANISH CN DOMAINS OF PCPENTUP SPACE+>EISENBERG AFOSR 2500
REPRODUCTIVE BEHAVIECLCN DOMESTICATED CANARIES + CN LATER AFOSR TN 60-1316
CN THE NEST+SILICING CF DOMESTICATED CANARIES + PROGESTERONE AFOSR TN 60-1315
EYE DOMINANCE IN AN EMPTY FIELC AFOSR 2800
A LINE, PEERLARYSE1+THE DOMINANT CUTOFF WAVELENGTH CF A LUNA AFCRL-193
IS NEITHER CIACCNALLY DOMINANT NOR CF NONEGATIVE TYPE DEC AFOSR 4302
TEGRAL EQLATICNS+S+>AVE+ DOMPAANT SOLLTICNS CF THE PICN+PICNN AFOSR TN 60-117
LITERATLRE IPAGE 9CL CF DONNAY AND CCNNARYSTAL CATA PART AFOSR TN 60-969
LITERATLREPAGE 5CL FRCP DONNAY AND DONNAY NEW ECITICN ISTRAG AFOSR TN 60-973
LITERATLRE IPAGE 51L CF DONNAY AND DCNNARYSTAL DATA PART AFOSR TN 60-970
LITERATLRE IPAGE 52L CF DONNAY AND DCNNARYSTAL DATA PART AFOSR TN 60-971
SOL FRCP CCNNAY ANC DONNAY NEW ECITICN TETRAGCNALRYSTALS AFOSR TN 60-973
SAMPLE CF PREPRINT CF DONNAY+S CRYSTAL DATA, NEW EDITIONUN AFOSR 2330
IPAGE 51L CF DCNNAY AND DCNNAARYSTAL CATA PART II NEW ECITIO AFOSR TN 60-970
IPAGE 52L CF DCNNAY AND DCNNAYRYSTAL CATA PART II NEW ECITIO AFOSR TN 60-971
CTICN APPERENTESL NTIVE+ DONNEES SUR L+ORGANISATION DES PROJE AFOSR TN 60-1313
PUCKLING CFOTHCTRCPIC+A DONNELL TYPE THEORY FOR BENCING AND AFOSR 2372
CF SN ELECTRON IN THE DONOR IPPURITY BANCP A COMPENSATEC AFOSR TN 60-201
EVICENCE FCR A SELENIUM DONOR LEVEL ABCVE THE PRINCIPALCRCUC AFCSR 956
EFFECT CF STRESS CN THE DONOR WAVE FUNCTIONS IN GERMANIUMCT AFOSR 1622
CF ELECTRONS AND DONORS IN SEPICONDUCTORS ALP961 AFOSR 1393
RCRYLATICA CF ACPETYL DCPA AND A+PHTHYLPTATYRCNSINE + CECA AFCSR 4333
ENAL +IN+VIVC UPTAKE CF DCPAMINE AND 5+HYDCXYTRYTAPINE BYDR AFOSR TN 60-1048
TRECRENAL + UPTAKE CF DCPAMINE BY THE STCRAGE GRANULES CP AFOSR 2029
ELLULAR LECALIZATICN CP DCPAPINE IN CCN INTESTINE INTRAC AFCSR 803
CP DCPAPINE IN THE BRAIN PCD 1962 AFOSR 2907
CTICN IN TRANSPLTATICN+ DOPED ++TYPE GERMANIUM + CORDU AFOSR TN 60-421
IONIZATION IN ZINC+ DOPED GERMANIUM AT LOWTEMPERATURES AFCRL-908
ELASTICA IN PHCSPHORLS DOPED SILICCN 1959 + SPINLATTICE R AFOSR TN 59-715
IN N+TYPE SILICCN DOPED WITH SMALLCONPURITIES AFOSR 1433
TATE STLCIES CF SILVER+ DOPED WOD DEC 1959 SCPP SOLIC S AFOSR TN 60-6
IN COPPER+ DOPED WOD FROP CONDLCTIVIALL VOLTAGE AFOSR 1705
TEMPER 1SEC, CPCSS+ DOPING AGENTS FOR BLTILE PASERS, SEP AFCRL-TN-60-1174
S INTEL+EFFECT CP HEAVY DOPING CN THE DIFFLSION OF IMPURITIE AFOSR TN 59-460
S INEMP+EFFECT CP HEAVY DOPING CN THE DIFFLSION OF IMPURITIE AFOSR TN 58-839

E COMPORTAMENTO DOPO LESIONI&CHICHE DELLA SOSTANZA AFOSR TN 59-306
INES, APRIL 1962. • THE DOPPLER CORTS OF STRONG PRAUNHOFER L ARCRL-62-430
ANC CPERATICN CF A DOPPLER DATA RECORDINGTATICN. PART ARCRL-521
ANC CPERATICN CF A DOPPLER DATA RECORDINGTATIONS. PART ARCRL-52112*
GENEOUS PEEIA WITH•THE DOPPLER EPPECT IN DISPERSIVE, INHOMC ARCRL-169
CN THE CLESTICN CF THE DOPPLER EPPECT IN THE THEORY OFAVILO ARCRL-395
RECCACINGTATICN. PART I DOPPLER EPPECT MEASUREMENTS, SEPTEMB ARCRL-521
TES, DECEMPER 31, 1961 DOPPLER EPPECT OF ARTIFICIAL SATELLI ARCRL-62-91
NACIC CBSERVATICN. DOPPLER EPPECT RECORDING INSTRUMENTA AFCRC-TN-59-631
.P.P. RACIC WAVESETLCN• DOPPLER FREQUENCY SHIFT OF M.P. TO S ARCRL-1126
ATELLITES 1 APR 19581 • DOPPLER MEASUREMENTS ON ARTIFICIAL S AFCRC-TN-60-773
GUES ANC ELLIPPENTS PCR DOPPLER OBSERVATIONS OCT 1959•TECHNI AFCRC-TN-60-870
E, FEBRUARY•TRANSVERSE DOPPLER PATTERN MEASUREMENT TECHNIQU ARCRL-62-194
FCR THE ALTCHATIC DOPPLER TRACKING OFARTH SATELLITE ARCRL-1054
PE I,JUNE • PCLYSTATICN DOPPLER TRACKING, FINAL REPORT, VOLU ARCRL-59711*
PE II, JUNE•PCLYSTATICN DOPPLER TRACKING, FINAL REPORT, VOLU ARCRL-59711
INES JUNE 1959 THE DOPPLER WIDTHS OF SCLAR ABSORPTION L AFCRC-TN-59-290
•EAVY ABSCRPTICA Y A DOPPLER•BROADENED SPECTRAL LINE AFCSR 214
RECCRDING CF THE DOPPLER•FIZEAL EFFECT, OF TROPPLITUD ARCRL-926
RANGE, DECLINATICA, ANC DOPPLER•SHIFT CALCULATIONS FOR ANATE AFCRL-TN-60-1161
C AFFERENCES DORIGINES CORTICALE ETERIOPHERIQUE AFOSR 2178
PICAL INFLUENCES CN THE DORSAL&COLUMN NUCLEI. DIRECT PYRA AFOSR TN 59-705
CER ARRIVAL IN • AREA• DOSAGE RELATICNSHIPS AND TIPE OF TRA AFCRL-468
ALCULATICA CF RACIATICN DOSE DISTRIBUTICNS FEB 1962 • AND AFCSR 2669
E PAST ANC SLCW•NEUTRCN DOSIMETRY A SEMICONDUCTCR DEVIC ARL 1076
INSTRUCTICNS CPF A•IS DOUBLEASS SCHLIEREN SYSTEP NOVEMBER ARL 62-463
PAGNETIC BEHAVIOR CF DCUBLET EDGE EPISSION LINES IN CCS ARL 1034
SSLRE EFFECTS CN ALKALI DOUBLET LINES THECRY OF PRE AFOSR TN 60-782
TEPPE•ICENTIFICATICA CF DOUBLET STATES AT 9.16 PEV IN B10,EP ARL 134
CYANICE ANCNC THE TYPE DOUBLING JUL 1961•SPECTRUP CN METHYL AFOSR 1022
1962 FREQUENCY DOUBLING WITH FERRITES AFOSR 2695
SERVERS CA THE SPACE CF DOUBLY STOCHASTICATRICES • PRE AFOSR 11
CA THE SPACE CF DOUBLY STOCHASTICATRICES, B A MCYES, AFOSR 19
CA A CLASS CF DOUBLY TRANSITIVE GROUPS. JLN 1961 AFOSR 1013
JLN 1961 CA A CLASS CF DOUBLY TRANSITIVE PERMUTATICN GRCUPS AFOSR 936
CF PLASPA WITH A DOUBLY•UNPEE VELOCITYISTRIBUTICN, ARCRL-62-340
POLYPETLCIES CF SCPE DOUBLY•UNSATURATED, UNSYPPETRICAL AFOSR TN 59-810
F G BIRM•CPF CONCERNING DOUBLYTOCHASTIC PATRICES•ALGORITHP O AFOSR 2707
ANC CONFICENTIAL REPCRT DOWNGRADED TC UNCLASSIFIED 27 MAR 63 AFOSR TN 59-350
ANALYSES CF THE DOWNSTREAM INFLUENCE OFTAGNATION wADD TR 60-434
TPERATNAR PEAT TRANFFER DOWNSTREAP CF A SHARP CORNER PIRALOG AFOSR 1040
CF BALL CONCENTRATICN DOWNSTREAP CF AN&JECTICN REGICN, AFOSR 4106
OF A BCUNDARY LAYER DOWNSTREAP CF ARANSPIRATICN•COOLEC AFOSR 1818
EIRDGCESSORS, A BOMER•S DOZEN, 6 SEP 61 • LANGUAGES AND TH AFCSR 1537
RAJECTORIES WITH LIFTAD DRAG APR 1960 • OF PLANAR REENTRY T AFOSR TN 60-508
CF THE STCRES DRAG FORMULAOR AXIALLY SYMPETRIC AFOSR 527
CIATING•STEADY SLPSCNIC DRAG IN NONEQUILIBRIUM FLCW CF AESSO AFOSR 3527
INLET SHAPES CF PINIPLP DRAG IN SUPERSCNIC FLCW,AY 1962•AND ARL-62-342
P TC PREECLECL•CYLINDER DRAG IN THE TRANSITION FROP CONTINUU AFOSR 3744
BRS ANC SPHERES IN • DRAG PEASUREPENTS CN CIRCULAR CYLIND ARL 53
FINAL REPCRTAY•STLCY CF DRAG CF CHARGED BCDIES IN A PLASMA, AFOSR 1159
TCPIC CISSEC•SLPERSCNIC DRAG CF SLENDER BCDIES IN A SIMPLEIA AFOSR 2163
PRAAREL•CATERCW• PCCEL• DRAG CN A MCVING DISLOCATION IN THF AFOSR TN 60-923
1959 FRICTICN DRAG CN BLADEC CISCS IN MCLSING CLC AFCSR TR 60-95
ECIAL CCNSICERATIP BASE DRAG PROBLEPS CEC 1959 • IWITH SP AFOSR TR 60-74
CF SKIN FRICTICA ANC DRAG TO THEISTRIBUTICN CF SECTION AFOSR 2343
TIC CCEAN, CCTCBER • DREDGED GRAVELS FRCP THE CENTRAL ARC AFRC-TN-60-258
A • WARPESPRANNLACEA IN DREIECKSFLUGELA THERMAL STRESS INELT AFOSR 1604
SCLARLBST•I. PRECLEARCY DRIFT AND FIRE STRLCTURE CF 200•MC-S ARCRL-657
CF ICNCSPHERIC DRIFT ANC STRLCTURE BY RADIC STARSER AFCRL-TR-60-402
ICN DRIFT IN AN A•P JUNCTICA BLC 14 1959 AFRC-TN-59-586
B ICN PARING CN LI• ICA DRIFT IN SI APR 28 60 EFFECT CN LI• AFRC-TN-60-386
CF CIFFLSICA ANC DRIFT IN THE PZEGICA, NCVEPPER 30, AFCRL-62-623
CNCSPHERIC P RECICA DRIFT PEASUREPENT AT RJELLER ON THE AFCRL-300
LES ANC SPACE•CHARGE•I• DRIFT PCBILITIES OF ELECTRCNS AND HC AFOSR 1416
CTRCNIC CCLLCASPAS WITH DRIFT PCTICN JUNE 59 • ELE AFRC-TN-60-353
CCTCBER JC, 1961. DRIFT PCTICNS CF ALRORAL ICNIZATICN, AFCRL-62-116
ANC LUNAR TICES IN THE DRIFT OF THE E REGICN, JUNEC, 1962. AFCRL-62-1031
PERDUNE•SILCIES CF FAST DRIFT RADIO BLASTS AND RELATED PHENO AFCRL-305
PROP U.S. ARCTIC CCEAN DRIFT SATATCAS,957•1960 JULY 1962 AFCRL-62-683
CENTRALCRTH PCLAR SEA DRIFT STATICA ALPHA 1957•1958, APRIL AFCRL-652
CIES CF TYERPAL•ENERGY• DRIFT TUBE•PASS SPECTRCPETER FOR STU AFOSR TN 60-661
CIES CF LCW•ENERGYCA•P• DRIFT TUBE•PASS SPECTRCPETER FOR STU AFOSR 2874
PLASPAS WITH THEIC CF A DRIFT•VELOCITY SPECTROPETER•GASEOLS AFOSR 1399
ATERACTICA IN SI BY ICA DRIFT,ANUARY 1C, 1961. • CF LI•C I AFCRL-23
PCR COLLCLENCIENCE, • DRIFTING PLASPA PAGNETO•ICAIC THECRY AFCRL-62-936
CF ELECTRCNS DRIFTING THRCUGH ICAS ACRCSS AAGNETI AFOSR 870
PHYSICAL PRAPETERS CF DRIFTRANSISTCRS HAVING A DIFFUSED AFOSR 2118
E PETHCC • ICACSPHERIC DRIFTS IN PLERIC RICO OBTAINEC BY TH AFCRC-TN-59-218
NVESTIGATICNS CN ARCTIC DRIFTTATION CHARLIE CCTCBER 1960.• I AFCRC-TN-60-259
.•CPE EFFECT•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTION I AFOSR TN 60-326
. SCPE EFFEC•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTION IV AFOSR 1735
• SCPEFFECT•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTION IX AFOSR 2834
RESPONSFLPPR•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTION V AFOSR 1736
SCPE EFFECI•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTION VI AFOSR 2207
II STIPLLLSE•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTION VI AFOSR 2956
SCPE EFFECTS•SILCIES CN DRIVE AND INCENTIVE IN PERCEPTIONII AFOSR 2946
III. SOPEFFE•SILCIES CN DRIVE AND INCENTIVE IN PERCCELPTION AFCSR 753
E EFFECI CF •SILCIES CN DRIVE AND INCENTIVE INPERCEPTION IIH AFOSR TN 60-1054
ALTCPATIC SLIT DRIVE PCR INFRARED SPECIREPETERS AFOSR 2470
LIPOIC LESICNS CA THEEP DRIVE IN RATS • CF NECCCRTICAL AND AFOSR TN 60-1112
III. SCPEFFECTS CF DRIVE IN STIPLLLS GENERALIZATICN AFOSR 759
I .•CPE EFFECTS CF DRIVE ON THE EFFECTIVE INTENSITY CF AFOSR TN 60-326
VI SCPE EFFECTP DRIVE PRODUCED BY ELECTRIC STIPLLATI AFOSR 2207
TIPE EFFECT CF DRIVE PRODUCED BY PREPNOCEPTIVE AFOSR TN 60-1054
ZATICN AS A PLACTICA CF DRIVE SHIFT APR 1962•STIPLLLSENERALI AFOSR 2556
IGATICN CF PAGNETICALLY DRIVEN ARCS. INVEST ARL-4015
UIC SYSTEP,AN•THERPALLY DRIVEN CIRCULATICNS IN A RCTATING FL AFCRL-TN-61-201
EVELCPPENT CF THERPALLY DRIVEN CIRCULATICNS NOV 59 THE C AFRC-TN-59-628
ANLABY•A PCNCPCLE ARRAY DRIVEN FROM A RECTANGULAR WAVEGUIDE, AFCRL-62-8
LCPPENT CF A MCCH•TLBE DRIVEN MOLECLLAR BEAM OCT 1961 CEVE AFCSR 166
PE WITH•AVELL•THERPALLY DRIVEN NCNLINEAR OSCILLATICN IN A PI AFOSR 686
A • CN THE PAGNETICALLY DRIVEN T•TYPE SPECIN TUBE CPECTANGLLA AFCRL-687
LARGE•SCALE PRESSLRE• DRIVEN WIND FIELD. FINAL REPORT,OVEP AFCRL-1075
AS CF ALABETA•THERPALLY DRIVEN, AREALLY TYPPETRIC CIRCULATIC AFCRL-1017
C SPCCHLANEL CCPPLSTICA DRIVER PARCH 1962• A SMALL HYPERSCNI AML 62-307
CN TUBE WITH ARC•PEATED DRIVER, PARC• 21982. • STO AFCRL-938
ING IPPECANCEPERATCRS,• DRIVING POINT IPPIDANCE SYNTHESIS US AFCRL-747
NETWORKS WITH SPECIFIED DRIVING•CINT ANC TRANSFER FUNCTICNS AFOSR TN 60-1090
CHANGES IN THEPESSLRE DROP ALCNG ARTERIES TO THE BRAIN CF AFOSR TN 59-540
• ARIANGLLAR • PRESSLRE DROP AND HEAT TRANSFER IN A DUCT WIT wADC TR 59-222
PACP A CLANTIZEC LIGLIC DROP AUG 61 ELECTRON SCATTERING AFOSR 1498
1961. DROP CCALESCENCE, FINAL REPORT JULY AFCRL-842
C 62 IN THE OSCILLATING DROP PCDEL ALG•LCW•LVING STATES OF A AFOSR 1499
TERCNTEN•PEASLREPENT CF DROP SIZE DISTRIBUTICN ANC LIQUID WA AFCRC-TN-59-496
TERCNTEN•PEASLREPENT CF DROP SIZE DISTRIBUTICN ANC LIQUID WA AFCRL-62-231
TERCNTEN•PEASLREPENT CF DROP SIZE DISTRIBUTICN ANC LIQUID WA AFCRL-491
CA CF LICLICIPROPELLANT DROPLET APR 1960 • ON THE COMBUSTI AFOSR TN 59-975
LIQUID SPRAY AND DROPLET BEHAVIORART III THE RESPONSE wADC TR 59-720
COMBUSTICN MODEL WITH DROPLET BREAKUP (INCLUDINGAS DYNAMIC AFOSR 633
960• DROPLET COLLISION EFFICIENCY, JULY 1 AFCRL-TR-60-292
THE ALTERATION OF WATER DROPLET SUPERCOOLINGY FOREIGN VAPORS AFCRC-TR-60-605
THE ALTERATION OF WATER DROPLET SUPERCOOLINGY FOREIGN VAPORS AFCRL-661
ASSUMPTICNS UNDERLYING DROPLET VAPORIZATICN ANDCOMBUSTION AFOSR TN 59-1140
BUSTION CPCNOPROPELLANT DROPLETS • INVESTIGATION ON THE COM AFOSR TN 59-620
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ENCY CPRC••EATEC ARGCA• ELECTRON DENSITY ANC COLLISION FREQU APOSR 3045
CPCNCSPHERIC ELECTRON DENSITY ANC COLLISION FREQU AFCRL-70
IN THERMALLY IACIZEC• ELECTRON DENSITY ANC IONIZATION RATE APOSR 3729
TENSIVE SPCBERS CF HIGH ELECTRON DENSITY ATEA LEVEL NCV 1958 AFOSR TR 59-54
PCCEL FCR THE ELECTRON DENSITY BEHIND ROCKET ENGIN AFCRL-147
CA THE EVALLATICA CF ELECTRON DENSITY DISTRIBLTION IN AFCRL-783
YLINDER JLL 196C ELECTRON DENSITY DISTRIBLTION IN A C APOSR TN 60-704
C CRYSTALS N NCV 196C ELECTRON DENSITY DISTRIBLTIONS IN ZN AFOSR TN 60-1352
PEASLREPENT CF ELECTRON DENSITY DISTRIBLTIONS INLAS AFOSR TN 60-927
LASPA, ALGLST 1, 196C. ELECTRON DENSITY FLLCTLATICAS IN A P AFCRL-TN-60-979
EN TOOLCP •ALTERING THE ELECTRON DENSITY IN THE D•REGICN A N AFCRL-62-533
WPISTLERS ANC THE ELECTRON DENSITY IN THECNCSPHERE AFCRC-TN-59-790
CF A PETHCC TC PECLCE ELECTRON DENSITY IN THECNCSPHERIC AFCRL-62-753
ELECTRON DENSITY PACFILE, JUNE 1962. AFCRL-62-421
WBOST •THE CIFFERENTIAL ELECTRON DENSITY SPECTRUP CF AIR SHO AFOSR 3380
AVITY •CETERPINATICA CF ELECTRON DENSITY LSING THE PICROWAVE AFCRL-765
CP 300 MC-SCL•AICHTTIPE ELECTRON DENSITY• HEIGHT PROFILES FR AFCRL-62-800
C APPCACH TC THERPALC• ELECTRON DENSITY, ICNIZATICA RATE AN AFOSR 4061
LCWER ICACSPHERE ELECTRON DENSITYEASLCREPENTS BY RACIO AFCRL-62-800
TUCIE•INVESTIGATICNS CF ELECTRON DEVICE PATERIALS TECHNOLCGY AFCRL-596
ELECTRON DEVICES RESEARCH. 31962' AFCRL-62-157
AL INVESTIGATICNS LSING ELECTRON DIFFRACTICA THECRETIC AFOSR 1439
ILPS WITH A HIGH VACLLP ELECTRON DIFFRACTICA CAMERA • F APOSR TN 59-1195
F THE PCLLECLARTALCT•ON ELECTRON DIFFRACTICA INVESTIGATICA O AFOSR TN 59-704
F THE PCLLECLARTALCTCL• ELECTRON DIFFRACTICA INVESTIGATICA O AFOSR 152
PESLLTS OF AN ELECTRON DIFFRACTICAEINVESTIGATICA AFOSR 3922
INVESTIGATICNS LSING ELECTRON DIFFRACTICAETHCDS, JUL 59 APOSR TN 59-905
VES IN ARCCA PAR 196C ELECTRON DIFFLSION AHEAD OF SHOCK WA AFOSR TN 60-334
CA THE IPPLICATICNS CF ELECTRON DIFFLSION THROLGH APYERSENT AFCRL-582
INSTIBILITIES IN ELECTRON CICCES AND PLASPACAVERTERS AFCSR 387
OF THE FREE ELECTRON DISTRIBLTICN OFN ICNIZED AFCRC TN 59 591
THE OBSERVED CUTOL BELT ELECTRON DISTRIBLTICNNC THE NEUTRCN AFCSR 866
INVESTIGATICA CF PCT ELECTRON EMITTER, PERIOD COVERING AFCRL-62-772
INVESTIGATICA CF PCT ELECTRON EMITTER, SEPTEMBER 1, 1962• AFCRL-62-957
CNAL RANCCP ALLEYS ELECTRON ENERGY BONCS OF CNE•EIPENSI AFOSR 957
ICALLY PCCLSEC PACNETIC ELECTRON ENERGY SELECTOR A PERIOC AFCRL-62-418
AC • CCPPENSTATICA IN ELECTRON EXCITATICA EFFECTS IN POP A AFOSR TN 59-486
CF LCWENSITY GAS PLCNS ELECTRON EXCITATICA FOR THE PROBING AFOSR 3694
PASER BY THE PETHCC CF ELECTRON EXCITATION SEP 61 OPTICAL AFOSR 1639
CF THE 1S•2S ELECTRON EXCITATIONCROSS SECTION OF AFCRC-TN-60-245

E G FACTORS OF THE FREE THE PRIMARY COSMIC RAY ENERGY DISTRIBUTION OF ITS APPLICATIONS TO THE CREW TYPE STRUCTURES AN THE DISAPPEARANCE OF THE FACE FOR AN INTERACTING ASITY+APPLICATION OF AN ROPICNIC POINT POLAPOINT AND MOLECULAR OXYGEN CN CN OF HYDROGEN ATOMS BY SCOPE HALOGEN MOLECULES+ OPTICAL POLARIZATION BY 6 ORGANOCOPCNIPALLERIUM CRICK WITH OSCILLATORI+ AND ENERGY LOSS OF AN A COMPE+PEBILITY OF AN PURE METALS,ACCPDER + LIES THESIS+SPIN WAVE+ IUM SULFIDE HIGH ENERGY ASSISTORENICE+EFFECTS CF CRY OF THE NON+SPINNING ZEROCOCIAT ENERGY OF AN THE NATURE OF TOUCH + GLEA IN THE TCACETINA, FORMATION IN THEYROL+AN HE EFFECT CF HIGH ENER+ STRUCTURES IN PICKLRI+ L CONGRESS PRC ELECTRO+ IC AND METALLACICALTLO+ SURFACE PHENCMENA WITH PCLAR CRYSTALS CESSES IN ACOR AICN + CYNAPIC CROSSEC+PIELC FIELCAY IS + SECCNDARY PLER CRYSTALS BY THEREF LATED ASPECTS CPLCLEAR+ CNE+OCEY MODEL FOR AN ON SEP+RABILITY CF EPARABILITY THEORY FCR ELECTROCHEMISTRY E3/ IN TIC2 IRLTILC' PPURITIES IN WURTZITEN+ RIVALENT CACCLINILMCNS+ AL + THE LIGHT INCLCED IES OF PICLCGICALNC + IES OF CYTOCHROME ANCE+ Y CF DIPHENYL NITRICHI+ DIRECT FIELC EFFECTS IN CN OSCILLATIONS IN AN NCP CN THE CSCILLATING+ NONLINEAR EFFECTS IN E LAPODA HYPERC N TC AN EPTEMBER 1962. A CNE+ CAS PRESSURE TC A PROTOTYPE AIRCSPHERIC SYMMETRY CF THE THREE+ HIGH ENERGY ELECTRON+ ARGE JUL 1962 ELECTRON+ Y 1962 INELASTIC LICUIC ENCP AUG 61 R ES CPUCLEI BY INELASTIC TE GASES,INAL REPORT, + AND CEVELCPMENT CF AN STUCIES CF PRIMARY STUCIES CF PRIMARY PCNIA SCLLTIONS CLEAR PCPINT CF NICLEAR PRISM+PONITRCPPHENY PET+ ECTRA CFIPHENYL NITRIC+ RACIATED SINGLEPYSTAL+ RACIATED CALCITEPISPO+ CTING ALTILE,LNE 1961. IN A SEMI+CCNCLCTOR+ NS CF THEORETICAL PHYSICS CF PHOTOCONCPICLPSTAN+ TEC SINGLE CRYSTAL + BENZENE ANIONS FOR EL ATECINGLE + ALC 196C. ATEC SINGLE CRYSTAL + ATEC SINGLEPYSTAL OF + ATEC SINGLEPYSTAL OF + IN PAGNESIUP CHICRCAF+ CALSRODLCIE BY CAPPA + LANTHANUP FLUORICE + C SINGLE CRYSTALP TRI+ ET IRRADIATECCMPOLNES + 13 HYPERFINE INTERACTIN NCPATIC PCNCNEGATIVENAC+ THECRY OF STAURATION IN THELCLECCTATETRABENY+TYE UTCHICATION OF 4+CINYC+ LECTROLYTICALLYCLCED + PPLRITY ICNS INAGNESIL+ ECHANISMS FCR CHEMICAL+ ACTIATION CAPABLE THE + ACTIATION CAPABLE TCEB16+ ACTIATION EFFECTSN INCR+ CPE QUINCAE REACTICAS CFICKEL +CCLOLE+CLARTLN RESCNANCE + NUCLEAR AND E SPLITTING IN THE EFFECT SITES FO CENTER+ PHCSPHORUS CCPEE SILIC+ CILLTE POTASSIL,PROCPICC CHARGTUP IN PGC,LCLST + RATES ANC MECHANISMS BY ICN STUCIEC BY LATION, ALCLST 1962. PERAVICN CF AN AN RESCNANCE SHIFTS AND HE RECOMBINATICNCFFIC+ ELECTRON FINAL REPORT + TH ELECTRON FLUX DURING AURORUS+TYPE ELECTRON FROM IONIZINGCOLLISIONS OF ELECTRON GAS PAR 1960 + AND ELECTRON GAS+ OF ANTIFERROMAGNETIC S ELECTRON GASEO GASEOUS PLASMAS WITH ELECTRON GASEV 1961 THE FERMI SUR ELECTRON GUN FOR THE MEASUREMENT CFE ELECTRON GUNVEY 60+0 STUDY CF THE TH ELECTRON IMPACAR 1959 + OF ATOMIC ELECTRON IMPACT THE 13+2S EXCITATI SCPE HALOGEN MOLECULESY ELECTRON IMPACT AUG 1959 + CF ELECTRON IMPACT DEC 1961+STUDIES OF ELECTRON IMPACT INVESTIGATION OF SOM CAICE WITH OSCILLATORI+ ELECTRON IMPACT STUCIES OF CARBON DI AND ENERGY LCSS OF AN ELECTRON IN ANNFINITELY LONG WAVE+GU A CCPPE+PEBILITY OF AN ELECTRON IN THE DONOR IMPURITY BANDP PURE METALS;ACCPDER + ELECTRON INCLCED RACTATION DAMAGE IN LIES THESIS+SPIN WAVE+ ELECTRON INTERACTICNS IN MAGNETIC SO IUP SULFICE ELECTRON IRRACIAT CN EFFECTS IN CADM ELECTRON IRRACIATICN OF NONBENANE, ASSISTORENICE+EFFECTS CF ELECTRON IRRACIATICN ON UNIPOLAR TRA CRY OF THE NON+SPINNING ELECTRON JULY 59+GLASS+CLASSICAL THE ZEROCOCIAT ENERGY OF AN ELECTRON LATTICE MAY 1960 THE THE NATURE OF TOUCH + ELECTRON MICROSCOPE INVESTIGATION ON GLEA IN THE TCACETINA, ELECTRON MICROSCOPE OBSERVATIONS FORMATION IN THEYROL+AN ELECTRON MICROSCOPE STUDY OF CARBON HE EFFECT CF HIGH ENER+ ELECTRON MICROSCOPY EXAMINATION OF T STRUCTURES IN PICKLRI+ ELECTRON MICROSCOPY STUDY OF SURFACE L CONGRESS PRC ELECTRO+ ELECTRON MICROSCOPY 9TH INTERNATIONA IC AND METALLACICALTLO+ ELECTRON MIRROR MICROSCOPY IN MAGNET SURFACE PHENCMENA WITH ELECTRON MIRRORMICROSCOPY APRIL 1962 PCLAR CRYSTALS ELECTRON MOBILITY AND SCATTERING IN CESSES IN ACOR AICN + ELECTRON MOBILITY AND SCATTERING PRO ELECTRON MOBILITY IN AGCI CYNAPIC CROSSEC+PIELC ELECTRON MULTIPLICATION FIELCAY IS + SECCNDARY ELECTRON MULTIPLICATION IN MICROWAVE PLER CRYSTALS BY THEREF ELECTRON NETWORK MODEL FOR 1962+ COM LATED ASPECTS CPLCLEAR+ ELECTRON NUCLEAR INTERACTICNS AND RE CNE+OCEY MODEL FOR AN ELECTRON OUTSIDE CORE WITH APPLICATI ON SEP+RABILITY CF ELECTRON PAIRS+ NOTE ONNE SEPARABILI EPARABILITY THEORY FCR ELECTRON PAIRS+++ PAIRS+ NCTE ONNE S ELECTROCHEMISTRY ELECTRON PARAPAGNETIC RESCNANCE AND E3/ IN TIC2 IRLTILC' ELECTRON PARAPAGNETIC RESCNANCE OF P PPURITIES IN WURTZITEN+ ELECTRON PARAPAGNETIC RESCNANCE OF I RIVALENT CACCLINILMCNS+ ELECTRON PARAPAGNETIC RESCNANCE OF T AL + THE LIGHT INCLCED ELECTRON PARAPAGNETIC RESCNANCE SIGN IES OF PICLCGICALNC + ELECTRON PARAPAGNETIC RESCNANCE STUD IES OF CYTOCHROME ANCE+ ELECTRON PARAPAGNETIC RESCNANCE STUD Y CF DIPHENYL NITRICHI+ ELECTRON PARAPAGNETIC RESCNANCE STUD DIRECT FIELC EFFECTS IN ELECTRON PARAPAGNETIC RESONANCEYPERF CN OSCILLATIONS IN AN ELECTRON PLASPA 1959 NCP CN THE CSCILLATING+ ELECTRON PLASPA SOLACE RESEA NONLINEAR EFFECTS IN ELECTRON PLASPAS OCT 59 E LAPODA HYPERC N TC AN ELECTRON PLLS THCRLTRALS AUG 1962+TH EPTEMBER 1962. A CNE+ ELECTRON POTENTIAL FUNCTION FCR H2 S CAS PRESSURE TC ELECTRON PRESSURE IN STELLAR ATMOSPH A PROTOTYPE AIRCSPHERIC ELECTRON PROBE,CTOBER 31, 1962. SYMMETRY CF THE THREE+ ELECTRON PROBLEM I EEC961 HIGH ENERGY ELECTRON+ ELECTRON SCATTERING ARGE JUL 1962 ELECTRON SCATTERING AND EFFECTIVE CH ELECTRON+ Y 1962 INELASTIC ELECTRON SCATTERING AT 800 PEV LICUIC ENCP AUG 61 ELECTRON SCATTERING BY THIN FILMS HA R ELECTRON SCATTERING FROM A QUANTIZED ES CPUCLEI BY INELASTIC ELECTRON SCATTERING PROP ICCINE VAPO TE GASES,INAL REPORT, + ELECTRON SCATTERING JUL 1962 + STAT AND CEVELCPMENT CF AN ELECTRON SCREENING IN DENSE DEGENERA STUCIES CF PRIMARY ELECTRON SOURCE WITH ELECTRICA BEFORE STUCIES CF PRIMARY ELECTRON SOURCES, APY 1962. PCNIA SCLLTIONS ELECTRON SOURCES, ALGUST 1962. CLEAR PCPINT CF NICLEAR ELECTRON SPIN RELAXATICN IN METAL+AM PRIS+PONITRCPPHENY PET+ ELECTRON SPIN RESCNANCE + CF THE NU ECTRA CFIPHENYL NITRIC+ ELECTRON SPIN RESCNANCE ABSCRPTION C RACIATED SINGLEPYSTAL+ ELECTRON SPIN RESCNANCE HYPERFINE SP RACIATED CALCITEPISPO+ ELECTRON SPIN RESCNANCE IN A CAPPA+I CTING ALTILE,LNE 1961. ELECTRON SPIN RESCNANCE IN ALUTRON+I IN A SEMI+CCNCLCTOR+ ELECTRON SPIN RESCNANCE INAPPCNACEOU NS CF THEORETICAL PHYSICS ELECTRON SPIN RESCNANCE INVESTIGATIC ELECTRON SPIN RESCNANCE NCV 1960 CF PHOTOCONCPICLPSTAN+ ELECTRON SPIN RESCNANCE OBSERVATIONS TEC SINGLE CRYSTAL + ELECTRON SPIN RESCNANCE OF A+IRRAC A BENZENE ANIONS FOR EL ELECTRON SPIN RESCNANCE OF ALKYLATED ATECINGLE + ALC 196C. ELECTRON SPIN RESCNANCE OF AN IRRADI ATEC SINGLE CRYSTAL + ELECTRON SPIN RESCNANCE OF AN IRRADI ATEC SINGLEPYSTAL OF + ELECTRON SPIN RESCNANCE OF AN IRRADI ATEC SINGLEPYSTAL OF + ELECTRON SPIN RESCNANCE OF AN IRRADI IN PAGNESIUP CHICRCAF+ ELECTRON SPIN RESCNANCE OF F CENTERS CALSRODLCIE BY CAPPA + ELECTRON SPIN RESCNANCE OF FREE RADI LANTHANUP FLUORICE + ELECTRON SPIN RESCNANCE OF CO +++ IN C SINGLE CRYSTALP TRI+ ELECTRON SPIN RESCNANCE OF IRRADIATE ET IRRADIATECCMPOLNES + ELECTRON SPIN RESCNANCE OF ULTRAVIOL 13 HYPERFINE INTERACTIN ELECTRON SPIN RESCNANCE SPECTRA NCPATIC PCNCNEGATIVENAC+ ELECTRON SPIN RESCNANCE SPECTRA OF A THECRY OF STAURATION IN ELECTRON SPIN RESCNANCE SPECTRAEP THELCLECCTATETRABENY+TYE ELECTRON SPIN RESONANCE SPECTRUM OF UTCHICATION OF 4+CINYC+ ELECTRON SPIN RESONANCE STUCIES OF A LECTROLYTICALLYCLCED + ELECTRON SPIN RESONANCE STUCIES OF E PPLRITY ICNS INAGNESIL+ ELECTRON SPIN RESONANCE STUCIES OF I ECHANISMS FCR CHEMICAL+ ELECTRON SPIN RESONANCE STUCIES OF M ACTIATION CAPABLE THE + ELECTRON SPIN RESONANCE STUCIES OF R ACTIATION CAPABLE TCEB16+ ELECTRON SPIN RESONANCE STUCIES OF R ACTIATION EFFECTSN INCR+ ELECTRON SPIN RESONANCE STUCIES OF R CPE QUINCAE REACTICAS ELECTRON SPIN RESONANCE STUCIES OF S CFICKEL +CCLOLE+CLARTLN ELECTRON SPIN RESONANCE TRANSITIONS RESCNANCE + NUCLEAR AND ELECTRON SPIN RESCNANCELECTRON SPIN E SPLITTING IN THE ELECTRON SPIN RESCNANCEPECTRA CF EFFECT SITES FO CENTER+ ELECTRON SPIN+LATTICE RELAXATICN AT PHCSPHORUS CCPEE SILIC+ ELECTRON SPIN+LATTICE RELAXATION IN CILLTE POTASSIL,PROCPICC ELECTRON SPIN+LATTICE RELAXATION IN CHARGTUP IN PGC,LCLST + ELECTRON SPIN+LATTICE RELAXATICN CF RATES ANC MECHANISMS BY ELECTRON SPINESCNANCE + CF ICN STUCIEC BY ELECTRON SPINESCNANCE TECHNIQUES LATION, ALCLST 1962. ELECTRON STRAGGLING THECRY AND CALCU PERAVICN CF AN ELECTRON STREAP AT AND BEYONCIMITING AN ELECTRON STREAP INSTABILITY MAR 1962 RESCNANCE SHIFTS AND ELECTRON SUSCEPTIBILITIES IN, SEMISC HE RECOMBINATICNCFFIC+ ELECTRON TEMPERATURE DEPENDENCE CF T AYCLUTICNS CP CLASSICAL ELECTRON THEORY + MODEL ON THE RUBAN RCP+ENYLPETPYL RACICAL+ ELECTRON TRANSFER BETWEEN TOIS+P+BIT IMPLRITY TRAPS AND ELECTRON TRANSFER CYNAMICSN N+TYPE IC ICNS DEC99+SURVEY CP ELECTRON TRANSFER SPECTRA OF INORGAN OP RATES CP ELECTRON TRANSFERPROCESSES BY ORGANON ELEMENTS IN MAGNETISP+ ELECTRON TRANSFERS AMONG TRANSITION FOR AN INNER SHE+ ELECTRON TRANSITION,+ N+RAY BETA RES IN THE PRESENCE + ELECTRON TRANSPORT AT HIGH TEMPERATU R 1961 ELECTRON TRANSPORT IN A SEMICONDUCTO ICN ELECTRON TRANSPORT IN SPORE GERMINAT INSICNC+LCN TEMPERATLRE ELECTRON TRAPPING LIFETIMES AND ENTR IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION ICPISSICN + STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION IC EMISSICNAR+STUCIES CP ELECTRON TUBE MATERIALS AND THERMION CN CN CERAMIC SEALS PCR ELECTRON TUBES APR 1960 INVESTIGATI SPHERICAL GRIES PCR ELECTRON TUBES FEB 60 PIC GRIC PCR HIGH POWER ELECTRON TUNNELINGTHROUGH THIN INSULDA IN METALS. A STUDY CP E +THE INFLUENCE CP THE ELECTRON VELOCITY DISTRIBUTION ONPAC CT PAY 59 SUPPARY CP ELECTRON VELOCITY SPECTROGRAPH PRCJE PCC PCR CETERMINING THE ELECTRON VELOCITYISTRIBUTIONS OCT 59 ELECTRCN+NEUTRINS AND ELECTRON+ANTINEUTRINO SCATTERING LENGTHS+LPPER OCLACS CN ELECTRON+ATOMIC HYDROGEN SCATTERING OPTICONC+APPLICATION CP ELECTRON+BEAP MACHINING TECHNIQUES I AGNETOSP+EPEELCCC + ELECTRON+DENSITY VARIATIONS IN THE A HIGH ENERGY ELECTRON+ELECTRON SCATTERING PEV ELECTRON+ELECTRON SCATTERING AT 800 CEL IN A PLASMA ELECTRON+HEAVY PARTICLE COLLISION MO EO ELECTRON+HOLE PAIR PRODUCTION JAN 19 +YCROCARBONS USING THE ELECTRON+IPFRACTION METHOC IN GAS BEEN+S PLACTICN PCR THE ELECTRON+ION USE OF THERMAL G VARIATION CF THE ELECTRON+IONOCCPBINATION AND COEFFIC 2 ANNEALING CF ELECTRON+IRRACIATED GAAS JANUARY 196 GASES, E P BLLEICZ ELECTRON+MOLECOLLISION CROSS+SECTION YUKIC HURITA ELECTRON+MOLECUESCHANCE STUCY OF CATTERING ELECTRON+NEUTRINOAND ANTI NEUTRINC S ENTRING SCATTERING ELECTRON+NEUTRINS AND ELECTRON+ANTIN E AIR SHOWERS ELECTRON+PHOTON ENERGIES IN EXTENSIV 96C ELECTRON+PROTCN BREMSSTRAHLUNG DEC 1 ACIATIVE CORRECTICNS TO ELECTRON+PROTCN SCATTERING OCT 61 R ACIATIVE CORRECTICNS TC ELECTRON+PROTCN SCATTERINGCV 1960 R HIGH ENERGY BAC CP THE ELECTRON+REMSSTRAHLUNG SPECTRUM+ THE NS CP THE NEGATIVE + ELECTRON+SPIN RESCNANCE INVESTIGATIC +CRDER TERMS AS CERTAIN+ ELECTRON+STREAP KINETIC+POWER SECCNC CF APPAILP FCR ELECTRON+TUBE APPLICATIONSJAN 1960 IN THE THECRY CF ELECTRONATTICE INTERACTIONS I NOV THEORY FCR PLASMAS AND ELECTRONBEAMS SEP 59 + APPLIFIER BY HIGHLY CONCENTRATEC ELECTRONBEAMS, OCTOBER 1961. ARTICULAR+S+TETRAZINE I ELECTRONIC ABSCRPTION SPECTRA AND IN 20 1959 REPCTE ELECTRONIC ALPHANUMERIC DISPLAY FOR 61 ELECTRONIC ANALOG MULTIPLIER JULY 19 IANCE COMPUTERCN SPALL ELECTRONIC ANALOGUE AVERAGER AND VAR TREATMENT CF ELECTRONIC ANC PESCNIC HYDROGENOLECU EVANCES IN CERAMICS FCR ELECTRONIC APPLICATIONS RECENT A STUCY CF THE ELECTRONIC BAND STRUCTURE OPETALS CALCULATIONSCR ELECTRONIC BAND SYSTEMS BELONGING THE ELECTRONIC CAPERA NOVEMBER 1960 CF GYROPACNETIC ELECTRONIC CCLOLASPAS WITH CRIFT STUCIES CF ATCMIC ANC ELECTRONIC CCLLISICNPROCESSES RELEVAN ERMING E CPERPATION CF+ ELECTRONIC CCMPUTATCR METHOC FOR CET CELERCMETER+RESI+ICR IN ELECTRONIC CCMPENSATION METHODS FORC CCNSICERATICN F SCME ELECTRONIC CCMPONENTS INMICN TUBE BEAP THEORY ICR THE ELECTRONIC CCMPUTER + RECLARENCE ER + RESEARCH CN OPTC+ ELECTRONIC CCMPUTER COMPONENTS,OVEMB NC 4 ELECTRON ATCMS ELECTRONIC CORRELATION ENERGY IN 3 A ANC EVALUATICN CF AN ELECTRONIC DENSITY INDICATED, JANLAR COLLISICNAL TRANSFER CF ELECTRONIC ENERGY BETWEEN CERTAINCLY ISOTOPE EFFECTS AIC ELECTRONIC ENERGY IN MOLECULES NOVEM E, A STUCY INRANSFER CF ELECTRONIC ENERGY,+CF B+NAPHTHYLAMIN CLLTION THESISJA 1962 ELECTRONIC ENTROPY IN LIQUIC METAL S ICE PROCESS, MARCH + ELECTRONIC GRADE SILICON VIA THE IOC CIC CNE DIMENSICNALOTHE ELECTRONIC GROUND STATE OF AN APERIO TACJA SOLIC STATE ELECTRONIC HEYER MARCH 15, 1962. WITH ANC WITHCUT ELECTRONIC LIGHTINTENSIFICATION, JUNE 15, 1962. ELECTRONIC LONG PERIOD SEISMOMETER, CF METALLIC CERAMICAC ELECTRONIC MA ERIALS MISPRINTED 1959 STATLS REPCRT ELECTRONIC MATERIAL SCIENCES LAB CRC E 196C STATLS REPCRT ELECTRONIC MATERIAL SCIENCES LAB JUN CRY,ANLAR+STATLS REPRCT ELECTRONIC MATERIAL SCIENCES LABORAT CPETALLIC, CERAMIC ANC ELECTRONIC MATERIALS JUL 1959 TLS REPCRT, JAN 1961 ELECTRONIC PATENTEL SCIENCES LAB STA ANCTUCY OF PHCTOCHCPTIC+ ELECTRONIC METHCD FCR THE CETECTION ALIDES AT LCWEPPERATLR+ ELECTRONIC PRCCESSES IN THE SILVER H CRICEPPURITY+CCNTPCLLEC ELECTRONIC PROPERTIES PEB 1960 RESEARCH UPON THE ELECTRONIC PROPERTIES CF ACMETALLIC 196C STCICHIOMETRY ANC ELECTRONIC PROPERTIES CF PRTE, JULY ETALLIC CCMPCLACESCEPED+ ELECTRONIC PROPERTIES CF SCME INTERM ANCLRAL+RESEARCH CN THE ELECTRONIC PROPERTIES OF THE SILVER TENTIOMETER AN ELECTRONIC RECCRDING DIFFERENTIAL PO CNFICENTIALAN 1 + L AN ELECTRONIC SCANNING ANTENNA SYSTEP C NNA ARRAYS,ACCEPPER 1, + ELECTRONIC SCANNING OF CIRCULAR ANTE ARRAYS, MARCH 1, 1962+ ELECTRONIC SCANNING OF CIRCULAR LCOP CF FUNDAMENTAL PACAMAN ELECTRONIC SCANNING PROBLEMS, JANLAR CIRCULAR ARRAYS PCR ELECTRONIC SCANNING, FINAL REPORT,AN TENNA SYSTEP, FINALE+AN ELECTRONIC SOLP+POCLSING TRACKING AN FS CEC 1995 ELECTRONIC SPECTRA CF SIMPLE POLECUL ETRAPHENYL',ACCPPER+THE ELECTRONIC SPECTRA CP THE GROUP IV T AL ICNS IN CRYSTALS,AN+ ELECTRONIC SPECTRA CP TRANSITION MET AL ICNS IN CYRSTALS,AN+ ELECTRONIC SPECTRA CP TRANSITION MET SEMICONCLCTORS ELECTRONIC STATES CN DISLOCATICNS IN NC SCF STLCY CF THE ELECTRONIC STATLS OF SEVERALINEAR CUPLING CONSTANTS PCRC+ ELECTRONIC STRUCTURE ANC HYDERFINE C TRUCTURE CONSTANTSF NC+ ELECTRONIC STRUCTURE ANC HYPERFINE S IN LICL ELECTRONIC STRUCTURE OF THE F CENTER TATE OF THEITHILP HYCR+ ELECTRONIC STRUCTURE OF THE GROUND S CRBITAL THECRIES CP ELECTRONIC STRUCTURE 1 MAY 1962 VARIATICN CF THE ELECTRONIC TRANSITICN MOMENT CPEGARC CTCTYPES ASSIGNMENT CP ELECTRONIC TRANSITIONS IN AZC CYE PR 1961. CEVELCPMENT CP ELECTRONIC VERMEUL PURNACE;JUNE 19, GENERAL ELECTRONIC WAVEGUIDES OCT 1958 UCE INTEGRATING DEVICE, ELECTRONIC, DECEMBER960 AIDE. ALTIT ARL-TN 60-117
APOSR 2575
APOSR TN 60-1122
APOSR TN 59-1322
APCSR 617
APOSR 3509
APOSR TN 59-459
APOSR 1491
APCSR 434
APOSR 4251
APOSR 1433
APCRL-TN-60-1144
APCRL-62-373
APCRL-TN-60-993
APCRL-62-534
APCRL-62-905
APCRL-967
APCRL-17
APCRL-313
APCRL-62-2
APCRL-935
APCRC-TN-60-151
APCRC-TN-60-160
APCRL-961
APOSR 2937
APCRC-TN-60-352
APCRC-TN-59-356
APCRC-TN-59-706
APOSR TN 59-1241
APCRC-TN-60-249
APCRL-329
APOSR 2339
APOSR TN 60-946
APOSR 1492
APOSR 1601
APOSR TN 60-99
APOSR TN 60-1260
APOSR 1440
APCRC-TN-59-219
ARL 62-322
APOSR 1650
APOSR 1658
APOSR TN 59-1244
APOSR TN 59-1243
APOSR 2810
APOSR 97
APOSR 1604
APOSR TN 60-1366
APOSR TN 57-679
APOSR 2478
APOSR 402
AFCRC-TR-60-153
APOSR TN 59-101
APCRC-TN-59-776
APCRL-975
APOSR TN 60-69
APCRC-TR-59-231
APCRL-541
APOSR TN 60-1154
ARL-TN 60-100
ARL 2036
APOSR 2061
APOSR 1624
ARL-TR 60-324
APCRC-TN-60-353
APCRL-62-475
APOSR TN 60-1033
ARL-M024
APOSR 205
APOSR TN 60-936
APCRL-32
APOSR 3740
APCRL-62-218
APOSR 247
ARL 37
ARL-C014
APOSR 1353
APCRL-102
APOSR TN 59-1191
APCRL-62-326
ARL-TR 60-315
APCRL-62-866
APOSR TR 59-109
AFCRC-TR-59-360
AFCRC-TR-60-150
APCRL-62-10
APOSR TR 59-123
APCRL-10
APOSR TN 60-1427
APOSR 1996
APOSR TR 60-89
APOSR TR 59-196
WADC TR 59-570
ARL 111
APOSR 2272
APOSR 1001
AFCRC-TR-59-100
APCRL-909
APCRL-60-101
AFCRC-TR-60-143
APCRL-62-337
APCRL-TN-60-370
APOSR TN 59-206
ARL-247
APCRL-5551110
APCRL-5551114
APOSR 3629
APOSR TN 60-735
APCRL 62 668
APCRL-TN-60-867
APOSR 1544
APOSR TN 60-1131
ARL 62-400
APCRL-62-1039
APOSR 766
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APOSR TN 59-115
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FIREACTICAS•RESEARCH ON THE POTENTIALITIES OF LEGAL LITERATURE ACE.. 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THE IPPRE CAPATTERI PUNZICNAL CNTANEOUS BREAK CCNN CF ENT PLANE PROPERTIES OF RESISTANCE CF AN CPCPE CPARACTERISTIC VIC MCTICN MAR 1960 BY SCMERLPCT•CHARGES IN THCORETICAL PHYSICS CF CUANTLM FIELC ANC ACGRAM CN THE THEORY CF ELECTRONICALLY EXCITED STATES AND TH ELECTRONICALLY SCANNED•CTCCONDUCTIVE ELECTRONICALLY.• RESULTS OF UEST ELECTRONICNCSCOPE STUDY ELECTRONICNOSCOPY PHILA PENNA 29 ELECTRONICS • OF THE SURFACES OF ELECTRONICS FINAL REPORT CONTAINS LI ELECTRONICS INTERIM FINAL REPORTCT & ELECTRONICS LOADCASTCRIES,JUNE 1962. ELECTRONICS CCT 1990 0851 ELECTRONICS. PART I . CRYSTAL•GROWTH ELECTRONICS. PART II. GASECLS•PLASMA ELECTRONMAGNETIC WAVES WITH INHIBOA ELECTRONPIN RESONANCE • OF TRIPLET P ELECTRONPIN RESONANCE•RELAXATION CF ELECTRONS ICNIZATICA CF LITT ELECTRONS A SEARCH FCR POLARI ELECTRONS • OF NEGATIVE IONS ON T ELECTRONS • CF THE TOTAL•ENERGY DIST ELECTRONS ABCVE THE ICNOSPHERE•SCATT ELECTRONS ARE DCNORS IN SEPICCNDUCTO ELECTRONS ANC HCLES AMC SPACE•CHARGE ELECTRONS ANC PRCTCNS NOV 1958 • ATO ELECTRONS ANCEGATIVE ICNS IN CASES ELECTRONS ASSCCIATEC WITH BETA•IISINT ELECTRONS ALG 1961 • OF ELEC ELECTRONS BY ATCPIC HYDROGEN • CN ELECTRONS BY ATCPI•PRINCIPLE CN THEC ELECTRONS BY FREE ELECTRCNS JAN 1959 ELECTRONS BY ICNS, ATOMSNC POLECULES ELECTRONS BY PETALLICURFACES FINAL IOLTION CFIELC EPESSICN ELECTRONS DEC 1958 • ENERGY DISTR ELECTRONS DRIFTING THROUGH ICNS ACRO ELECTRONS FINALEPCRT JUN 1959•POLARI ELECTRONS FRCP CC AC•ANALYSIS CF LCN ELECTRONS FRCP CCSPIC RAY ALBEDOCELTR ELECTRONS FRCP ICNIZING COLLISIONS ELECTRONS FRCP ICNIZING COLLISICNF ELECTRONS FROP NEGATIVE ICNS CFTCPIC ELECTRONS FRCP ICO PACESPF COPPER ELECTRONS IN A PLASPA THE ELECTRONS IN AAGNETIC FIELC AUG ELECTRONS IN AAGNETIC FIELD RELATIV ELECTRONS IN AARP PLASPA DEC 1960• T ELECTRONS IN ACTIVE NITRCGENAUGUST 19 ELECTRONS IN ALKALI HALIDECRYSTALS ELECTRONS IN CACPIUP SULFICE CRYSTAL ELECTRONS IN FLAPES • IN FLAMESPPEND ELECTRONS IN KI III' RELATIVE PULS ELECTRONS IN PETALS. 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ELLICTT PODEL ANCHE P2 FORCE ELLIPSE BIBLIOGRAPHY APPENCED' MAY ELLIPSE OF A SATELLITE ORBITED 1961 ELLIPSCIDAL THERPAL IMAGER, OCTOBER ELLIPSCIDS • OF WAVEGUICES CONTA ELLIPSOICS OF HARPCNIC GENE ELLIPSOIDS, DTC FEB 1962 • CIRC ELLIPSOIDSING THE •IRAN TRILATERATIO ELLIPTIC BOUACARY VALUE PROBLEMS OF ELLIPTIC BOUACARYVALEP WHICH IS ELLIPTIC CONE PAR 6C ELLIPTIC CONES • PORALCULATING THE ELLIPTIC CYLINDER DEC 1958 ELLIPTIC CYLINDER JUNE 59 S ELLIPTIC CYLINDER SEPTEPBER 1962.•SL ELLIPTIC EQUATICNS PAY 1959 ELLIPTIC LIFTING SURFACE INLBSONIC ELLIPTIC OPERATCRS CF THE SECCND ELLIPTIC OPERATORS CF THE SECCNC ELLIPTIC OPERATORSSEP 1961 • IN ELLIPTIC OPWATCRSITH APPLICATION ELLIPTIC PARTIAL CIFFERENTIAL EQUATI ELLIPTIC PARTIALIFFERENTIAL EQUATION ELLIPTIC PARTIALIFFERENTIAL EQUATION ELLIPTIC PARTIALIFFERENTIAL EQUATION ELLIPTIC SATELLITE ELLIPTIC SYSTEP CFCLATICNS, 1961 ELLIPTICAL SYSTEPS CFCLATICNS ELLIPTICAL CRCSS SECTICN • ALONG ELLIPTICAL DIELECTRICYLINDER, MARCH ELLIPTICALLY POLARISED LIGHT, DECEMB ELLIPTICARTIAL CIFFERENTIAL EQUATION ELLIPTICCOIES AT MACH 3.09 AT 6.0 ELLIPTICEQUATICNS PEP 1962 • OF TH ELLIPTICEQUATICNS OF ORDERS TWC AND ELOCITY DISTRIBOLTICAS FOR STEADY ELONGATICN OF IRREGLLARITIES IN THE ELSEVIER PUBLISHING CO AMSTERDAM EMBEDDED ALGEBRAIC SET THE SOLUTION EMBEDDING DIFFERENTIABLE PARIFOLDS I EMBEDDING OF CERTAINHOMOGENEOUS SPACE EMBRITTLEMENT IN PACE•CENTERED CUBIC EMBRITTLEMENT IN STEELS, TITANIUM AL EMBRITTLEMENT IN TERMS OF MCDERN THE EMBRITTLEMENT OF •IGH STRENGT• STEEL EMBRYCS MCRPHCGENETIC EFFECTS OF L EMBRYO•SULPHYDRILE GROUPS IN THEORPH AFOSR 3233 AFOSR TN 59-363 AFOSR 1391 AFOSR 2824 WADC TN 59-119 AFCRL62-917IV AFOSR TN 59-1207 APCRL-TR-60-352 AFCRC-TN-60-399 AFOSR TN 59-866 AFOSR TN 59-1063 ARL-TR 60-326 AFOSR 2230 ARL 62-399 AFOSR TN 60-7 AFOSR 3509 AFOSR-DRA-62-6 AFOSR 4234 AFOSR 3434 AFOSR 3433 AFOSR 3432 AFOSR 2954 AFOSR 3024 ARL 219 AFCRL-TN-60-876 AFOSR TR 60-99 AFCRL-62-199 AFCSR 664 AFOSR 1141 AFCRL 1134 AFOSR TN 60-1361 AFCRC-TN-59-188 AFCRC-TN-59-187 AFCRL-666 AFOSR 2320 WADC TR 59-258 AFOSR 119 AFCRL-62-727 AFOSR TN 60-664 AFCRL-85 AFCRL-62-134 AFCRL-62-916 AFCRL-75 AFOSR TN 59-831 AFOSR TN 59-419 AFOSR TN 59-972 AFOSR TN 59-829 AFOSR TN 60-1203 AFOSR TN 59-828 AFOSR TN 59-386 AFOSR TN 59-832 AFOSR TN 59-830 AFOSR TN 59-465 AFCRC-TN-59-434 AFCRC-TN-60-284 AFCRL-62-856 AFCRL-62-2618 AFCRL-62-636 AFCRC-TN-59-600 AFCRC-TN-59-626 AFCRC-TN-59-625 AFCRL-62-792 AFOSR TN 60-940 AFCRC-TR-60-129 AFOSR TN 60-1276 AFOSR TN 59-466 AFOSR TN 60-1107 AFOSR TN 59-18 AFOSR TN 59-18 AFCRC-TN-60-274 AFCRL-240 AFOSR 3713 AFCRC-TN-59-229 AFOSR 103 AFCRL-916 AFOSR 3794 AFCRL-565 AFOSR 2121 AFCRC-TN-60-218 AFOSR TN 60-1179 AFOSR 4302 AFCRC-TN-60-195 AFOSR TN 59-632 AFCRC-TN-59-103 AFCRC-TN-59-396 AFCRL-62-781 AFOSR TN 59-476 AFOSR TR 60-71 AFOSR TN 59-1102 AFOSR 1074 AFOSR 556 AFOSR 2270 AFOSR 1308 AFOSR 760 AFOSR 3329 AFOSR 590 ARL-TR-60-319 AFOSR 1986 AFOSR TN 60-249 AFOSR 1991 AFCRL-62-151 AFCRL-62-649 AFOSR TN 59-1251 AFOSR TN 59-10 AFOSR 2371 AFOSR TN 60-806 AFOSR TN 60-1227 AFCRL-62-902 AFOSR 1520 AFOSR 3315 AFOSR TN 60-945 AFOSR 27 ARL 133 WADC TR 59-172 WADC TR 59-444 ARL-TR 60-309 AFOSR 2914 AFOSR 4176

ANC,•PORECCAAAISSANCE OF EMERGENCY WATER SUPPLIES EAST GREENL AFCRC-TN-60-410
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CHANICALL•FIELC INCUCEF EPIPSION IN CCS CRYSTALS EXPIBITINGE ARL X024
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RCY DISTRIBLTICN CFIELC EPISSION ELECTRONS CEC 1958 • ENE AFCSR TN 58-1136
ST 22, 1959ULY 17•RACTIC EPISSION FOLLCWING THE FLARE CF AUGU AFCRC-TN-59-358
PATTERNS OF THE NCISE EPISSION FRCP A GASECUSISC•ARGE OCT AFOSR TN 59-1101
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S CESSIREE •ULTRAVICLET EPISSION IN THE AURORA, ILES SPECTRA AFCRL-TN-60-822
ANSITICNP •COLBLE GAPPA EPISSION IN THE L.OR•MEV PCNCPOLE TR AFOSR 2932
AN ALRORAL EPISSION IN THE 2.0•2.2 PU REGICA AFCRL-877
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A CF SYMPTICTICALLY FLAT EMPTY SPACES 1962 REMAVIC ARL 62-301
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EPPERATURE DISTRIBLTIC• ENERGY PETHCDS PCR THE ANALYSIS OF T AFOSR TN 59-327
ID ARGCN ANERYPTCN AT • ENERGY PIGRATICA ANC TRANSPER IN SOL AFOSR 3932
CPILP SLLPICE 196C ENERGY PODEL PCR EDGE EPISSION IN CA ARL-TN 60-191
EPILP SLLPICE ENERGY PODEL PCR EDGE EPISSION IN CA ARL X060
EPILP SLLPICE ENERGY PODEL PCR EDGE EPISSION IN CA ARL X041
THE LAGRANGIAN ANC THE ENERGY POMENTLP TERSCRS IN THEERTLRB AFCRC-TN-59-199
CHARACTERISTICS CP HIGH ENERGY NUCLEAR INTERACTIONS ATT AND AFOSR 3618
THECRY CP LCW ENERGY NUCLEI AFOSR TN 60-829
PEAK IN HIGH ENERGY NUCLECN•NUCLECNCATTERING JUL AFOSR 1210
THE SELF ENERGY OF A HELICAL DISLOCATION AFOSR TN 59-555
NTERFACE CCUPLES TC THE ENERGY OF AISLOCATION AUG 1959• OF I AFOSR TN 59-711
60 THE ZERC•CCINT ENERGY OF AN ELECTRCN LATTICE MAY 19 AFOSR TN 60-446
OP THE GROUND STATE ENERGY OF ANSCTCPICALLY DISCRDERED AFOSR 1165
SEP 1961 THE DECAY ENERGY OF BI 209 AFOSR 1566
PROPAGATICNACER IPPACT• ENERGY OF CRACK FORPATION AND CRACK ARL-TN 60-124
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FREE ENERGY OF FORPATICN CP P002 ARL 2027
IES CN THE SURFACE FREE ENERGY OF GCLC JUNE 1960 STUD WADC TR 60-186
ATCPS THE ENERGY OF INTERACTION OF THC HELIUM AFOSR TN 60-786
I. THE GROUND STATE ENERGY OF LITHIUP APR 1959 AFCRC-TN-59-252
I. THE GROUND STATE ENERGY OF LITHIUP APR 59 AFCRC-TN-59-636
CP SURFACE FREE ENERGY OF PETALS ANC POLYPERSPRIL WADC TR 59-147
CUS ALKALIPLICES • THE ENERGY OF POLYPERIZATICA CP THE GASE AFOSR TR 60-183
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PAINTENANCE CP KINETIC ENERGY OF THE LARGE•SCALETATICNARY AFCRL-TN-60-812
8, 1960. UTILIZATICN CP ENERGY OF THE UPPER ATPCSPHERE,PRIL AFCRC-TR-60-364
CP THE ENERGY OF THERAVITATIONAL FIELD AFOSR TN 60-1263
ION METPCC DISSCCIATICN ENERGY CFASCCLS S 2 • FFFUS AFOSR 1110
IUP • THE EFFECTS OP DP ENERGY CN THE PUPPING SPEED OF AITAN AFCRL-324
THE STLCY CP SCLAR ENERGY OLTPUT PROM 1993 TC 1961 AFCRL-62-676
INVESTIGATION CP HIGH• ENERGY OXIDIZER BIACERS FOR SCLIDPOP AFOSR 600
INVESTIGATION CP HIGH ENERGY OXIDIZER FOR SOLIC PROPELLANT AFOSR TN 60-22
CN INTERACTICN ANC HIGH ENERGY P/O COLLISIC•JAN 1961 PION•PI AFOSR 656
ENERGY PARAPETERS IN ABSORPTICN AFOSR 2021
N ANCSCCPTICN CP HIGH• ENERGY PHOTCNS PAR 1961• IN RADIATIO AFOSR 603
CCNFERENCE ENIGH ENERGY PHYSICS AT ACCHESTER 29 AUG• AFOSR 1646
6• 30 JUNE 1961 HIGH ENERGY PHYSICS POR 1 JULY 1960 THROU AFOSR 1043
OF ARI JLN 1962 HIGH ENERGY PHYSICS, ANALAL SUPPARY REPO AFOSR 3159
OCT 1959 LCW ENERGY PICN PHENCMENA AFOSR TN 59-1316
JLN 1960 LCW ENERGY PICN SCATTERING AFOSR TN 60-1081
THECRY CP THE LCW ENERGY PION•PICN INTERACTICA APR 59 AFOSR TN 59-520
961 LCW ENERGY PION•PICN INTERACTICA I JAN 1 AFOSR 655
IAR • THECRY CP THE LCW ENERGY PION•PICN INTERACTICN. PART I AFOSR TN 60-891
ON A COPPLEPENTARY ENERGY PRINCIPLE IN LINEARHYDROELAST AFOSR TN 58-731
G AND THE CLASSICALELA• ENERGY PROBLEP • COUPLIN AFOSR TN 60-482
RAL•GROLUP VELOCITY AND ENERGY PROPAGATION FOR THREE•IMENSIO AFOSR 2661
FRAGPENTS AS ULTRAH ENERGY PROPELLANTS DOV SUBSTRACTS APOSR TN 59-1249
GAPPA RAYS PROP PERILD ENERGY PROTCN BOMBARDMENT CP CARBL ARL P007
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N CPNE BRAIN WITP HIGH• ENERGY PROTONS • LOCAL IRRADIATIO AFOSR TN 60-340
SCATTERING CP HIGH ENERGY PROTONS ON HYDROGENCLEI JAN AFOSR 2177
EXPOSED TC BEAM CP HIGH ENERGY PROTONS•ON PERIPHERAL NERVES AFOSR 4193
N/ SCATTERING IN THE ENERGY RANGE 100•290 MEV AFOSR 4117
VEGUIDES PCWER ANC ENERGY RELATICNS IN BIDIRECTIONAL WA AFOSR 3391
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SYNTHESIS CP ENERGY RICH•CCPPCUNCS FEB 1957 TO AFOSR TN 59-7
BRATION CP THE DETATCHN ENERGY SCALE CONTRCL AND CALI AFOSR TN 60-772
BRACTICN RANGE ANC HIGH ENERGY SCATTERING 1962 INT APOSR 2652
EP POSITICNS CAVERC•LCW ENERGY SCATTERING BY A COPPOUND SYST AFCRC-TN-59-259
CLE BY A NELTRALCL•LCW• ENERGY SCATTERING CP A CHARGEC PARTI AFCRL-62-697
CUSED MAGNETIC ELECTRCN ENERGY SELECTCR A PERIODICALLY PO AFCRL-62-410
YSIS OF THE SCHWECINGER ENERGY SERIES NOV 1957 ANAL AFOSR TN 57-687
UPE V NUCLEAR ANC SCLAR ENERGY SQUEECES • POWER SQUEECES•OL AFOSR TN 59-485
PARIMUP IN THCS•IC RAY ENERGY SPECTRA PAY 1961 • CN THE AFOSR 875
TIAL PRIPARY COSPIC RAY ENERGY SPECTALP JUL 1962• THEIPPERBEN AFOSR 4127
PROP GOLC JUL 196C ENERGY SPECTRUP OF THE PHCTCNEUTRONS AFOSR TN 60-790
CISTRIBLTICN CP HIGH ENERGY STARS IN SPHERICALTELLAR AFOSR 4047
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SIRTURES WITH RACIATIVE ENERGY TRANSFER • PLLTI•COPPONENT GA AFOSR 2578
CTIVATICNP •VIBRATICNAL ENERGY TRANSFER PROP CCLLISICNAL CEA AFOSR TN 57-199
CIPPLICN EFFECTS CN ENERGY TRANSFER IN AURBULENT BOUNCAR AFOSR 2307
, ENERGY TRANSFER IN GASES ANC LIQUIDS ARL-C018
NAN THE •INTRAPCLECLLAR ENERGY TRANSFER LUPINESCENCE PHENCME ARL-156
DEC 1960 PICRCBAVE ENERGY TRANSFER PECPANISPS IU• SECRE AFOSR 144
T RPT •PART I PICRCBAVE ENERGY TRANSFER PECPANISPS IU• SECRE AFOSR 921
NIC CATICA COPPLEXES AS ENERGY TRANSFER SYSTEPS PAY 31,962. AFCRL-62-851
CUBS ANC PCTCCCPEPISTR• ENERGY TRANSFERAL IN POLYATCPIC MCLE AFOSR TR 60-38
CATICA COPPLEXES AS ENERGY TRANSFERYSTEPS, NOVEPBER 3C, AFCRL-62-850
STEPS BYPE PRINCIPLE CP ENERGY TRANSPCRPATICN • DYNAPICAL SY AFOSR 64
LUR PROCESSES CVER • ENERGY TRANSPCRPATICN AND VERTICAL P AFCRC-TN-60-460
A NEW PCDEL FOR THE ENERGY TRANSPCRT INLECTROPAGNETIC AFCRC-TN-59-164
STREAPS ENERGY UTILIZATION AND THEETERMINATI AFOSR 1360
CN COEFFICIENTS CP HIGH ENERGY X•RAYS PAY 1959 A PENNATI AFOSR TR 59-25
BERKELEY ANCPOLY TN HIGH ENERGY•O COLLISICNS • OF THE B AFOSR TN 60-1332
HECRY CPLECTRCPAGNE•THE ENERGY•POPENTLP TENSOR OP A SCALAR T AFCRC-TN-59-380
ER • STABILIZATICA CP ENERGY•RICH PCLECULES II ENERGYRANSP AFOSR 150
INRANSPER CP ELECTRONIC ENERGY,•OP B••NAPHTHYLAMINE. A STUCY ARL-178
TATIC ANC FLLIC CYNAPIC ENERGY,DECEMBER 1961•BETWEEN ELECTROS AFCRL-62-1041
LTCAION ANC CORRELATICN ENERGY,EPTEPBER 1962. • MANI AFOSR TN 59-259
RCTATCR CCNSTANTS FCRP ENERGYCPENTS, III. FIRST CACER CENTR AFUSR TN 59-965
EFFECTS IN HIGH• ENERGYREMSSTRAHLUNG PROP CRYSTALS OAR 1
SOURCES ANC SYSTEPS ENGAGEDN COLLECTING, SCRTING AND AFOSR 4108
CN THE TRIBO ENGEL CCNDITICN AFOSR 1637
WATER BALANCE BY •CBARC ENGELBRECHT • ANC THE AFOSR TN 60-820
ICN SOLOCES ICN ENGINE DEVELCPPENT I. DIFFLSICN TYPE AFCRC-TR-60-226
LIQUICRCPELLANT RCCRET ENGINE EXHAUST PLUMES, APRIL 1960. AFCRC-TR-59-2201
CP THE USE CF JET ENGINE EXHAUSTEAT PCR FCG DISSIPATIO AFOSR 164
VIEW OP REPLBLICS • PINCH ENGINE EXPERIPENTALPCGRAM CCT 1960 AFCRL-147
DENSITY DE•INC ROCKET ENGINE OPERATING AT IONOSPHERIC AFCRL-62-1144
II, ANC PINALTP•PACCHET ENGINE PARAPETERS, DECEPBER 17, AFOSR TN 60-886
IN AIRCLE FLEL ROCKET EN INE WITH CISSIBLE CCPBUSTION AFCRL-62-1145
II, SECCNC STAGE ROCKET ENGINE, DEC 17, 1962.ROCKET • TITAN AFOSR TN 59-1337
S CCT 1959 PLASPA PINCH ENGINE, THE PROBLEP OP REPEATEDINCHE AFCRL-62-90
C PCWER•PEELSYSTE••LPAN ENGINEERING ANALYSIS OF THE AUGMENTE AFOSR TN 60-86
DRCCYNAPIC PINCPRC•SCPE ENGINEERING ASPECTS OF THE MAGNETCHY AFCRC-TN-59-265
HANCLING SLCSYSTEPJJL,• ENGINEERING DESIGN POR WEATHER DATA AFOSR TN 59-108
ATER FACILITY PCRYPERS• ENGINEERING DESIGN CP A WAVE SUPERME ARL-C060
CPPERICAN SOCIETY FCR ENGINEERING EDUCATICN, SAN DIEGO,ALI AFCRC-TR-59-1201V
AIR TRAFFIC CONTRCLCNT• ENGINEERING FEASIBILITY STUCY OF AN ARL P004
NUCLEAR PROPULSICN AND ENGINEERS AFOSR 3546
TENSCRS IN ENGINEERING PECHANICS AFCRC-TN-59-242
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ICA ANC ENGINEERING FCR ENGINEERS NUCLEAR PROPULS AFCRC-TR-59-1201I
EXISTS IN TPEARE••PEATH ENGLAND PILITARY CONTROL AREA VOLUME AFOSR 3282
FREQLENCY STLCIES CP ENGLISH CONSCNANTS AFOSR 2093
ACTERISTICS CP SELECTED ENGLISH CONSCNANTSULY 1962 • CHAR AFCRC-TN-59-75
REPRESENTATICNS CP ENGLISH PRCNUNCIATICN AS AID IN AFCRL-62-98
CN VCWEL DURATICN IN ENGLISH SEP 1961PERICA, VCL. 33, AFCRL-62-947
THE REPRESENTATICA CP ENGLISH VCWEL PHONEPES IMPE ORTHCGRA AFCRC-TN-59-56
CN THE PRCNUNCIATICAP ENGLISH WORDS BY NIA•NATIVE SPEAKERS AFCRL-62-551
TIVE NORPALIZATICNS IN ENGLISH, AUGUST 1962. CN CCNJUNC ARL-TR-60-275
EVALUATICA CP STRCNGLY ENLARGED PHOTCGRAPHS,FEBRUARY 1961 AFOSR 1401
NC TRAPPING IN TRITIUP• ENRICHED ICEEP 1961 • FORPATION A AFOSR TN 60-824
A STATICNARY GIRDSTAN ENSEMBLE JUL 1960 AFOSR TN 59-5
NCNEQUILIBRIUP GIRDSTAN ENSEMBLES STATICNARY AFOSR TN 60-813
ES OF LCCAL•EQLILIBRILP ENSEMBLES • IN ALLIED ANC PROPERTI AFOSR TN 60-746
F NCNEQUILIBRIUPIRDSTAN ENSEMBLES JUL1960 • AND PROPERTIES O AFOSR TN 59-955
CV • COPPLETICA EXPERI ENT WITH AX 50,000•CURIE COLD SOURCE AFOSR 3497
LUTION WITP 3.3 4 5. 7• ENTAHYDROXYPLAVA CNE, 1961. • SO AFOSR TN 60-148
CP PCLECLLAR ENTANGLEPENTS IN PCLYMERCLLTIONS BY AFOSR TN 59-968
TUNNEL STLCIES CF HIGH• ENTHALPY IONIZED AIRPLCWSUL 1962 AFOSR 3667
CP THE BALC SEC• ENTIAL PROBABILITY RATIC TEST JAN AFOSR TN 60-35
CN THE AICPIZATICN ANC ENTRAINMENT CP LIGLID FILPS IN SHEAR AFOSR 3989
SS UNDER HIGH•LEVISTALBEC ENTRANCE FLCW CLNDITIONS • PACCF AFOSR TN 59-955
FLCW IN A TLVE WITH AN ENTRANCE• OP APINAR AND TURBULENT AIR AFOSR 3492
CN CP ALKALI PETALALIC• ENTROPIES ANC ENERGIES CP CIMERIZATI AFOSR TN 59-148
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NCTE CN THE CCNCEPT CP ENTROPY AFOSR 3667
ES JULY 1959, ENTROPY AND GALSSIAN•MARKCFF PROCESS AFOSR TN 59-960
CN THE ENTROPY CHANGE ITRCLGH A SHCCK LAYER AFOSR 3843
CN WITH A BEAK SPANDISE ENTROPY GRACIENTSING IN SUPERSONICL AFOSR 1845
SISAN 1962 ELECTRONIC ENTROPY IN LIQUID METAL SCLLTION THE AFOSR 1353
HEAT OPAPCRIZATICN AND ENTROPY IN THE ICEAL GAS STATE FED AFOSR TN 60-1477
YPERSONIC • A THECRY CP ENTROPY LAYERS AND NOSE BLUNTNESS IN AFOSR 1271
Y CF SYSTEP RELIABILITY ENTROPY OP CCNTINUOLS CHANNELAM 1960 AFCRC-TR-60-126
STANT OFILYER •HEAT AND ENTROPY OP PLSICA AND CRYOSCOPIC CON AFOSR 3963
E HEAT AND ENTROPY CP PLSICA CP MERCURIC BROPIC AFOSR 3962
LINEARITY ANC PINIPLP ENTROPY PRODUCTICN AFOSR TN 59-152
LINEARITY ANC PINIPLP ENTROPY PRODUCTION FEB 1959 AFOSR TN 59-178
E PCRPATICA IN TERPS CP ENTROPY TRANSPCRPATIONSPA 1960• IPAG AFOSC TN 60-63
CN THE DISTRIBLTICN CP ENTROPY WITHIA THE STRLCTURE CP AFOSR 3198
CF FUNCTICNS PETRIC ENTROPY, WICTHS, ANC SUPERPCSITIONS AFOSR 1590
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JL• THE ACANIA BE• ENTRY AND EXHALST TRAIL PEASUREPENTS AFCRC-TN-60-191
EFFECTS CPTRCSPHERIC ENTRY BY THERPCLURINESCENCE PEASUREP AFOSR 4059
Y AN ICBP NOSE CONE PE• ENTRY CONFIDENTIAL AUG 59 • B AFCRC-TN-59-420
IRCN PETECRITES CURING ENTRY INTO THTNCSPHERE APRIL 1959•OF WADC TR 59-164

(MILAR SOLUTIONS IN RE• ENTRY LIFTING TRAJECTORIE • 1959. S AFOSR TN 60-678
EXHAUST TRAIL AND RE• ENTRY MEASUREMENTSRECORAP APR 1960 AFCRC-TN-60-398
SECRET AUG 59 IUV RE• ENTRY OBSERVATION ON IRBM TEST 2004 AFCRC-TN-59-750
SECRET JULY 59 IUV RE• ENTRY OBSERVATIONS CN IRBM TEST 2005 AFCRC-TN-59-571
SECRETSP 59 IUV RE• ENTRY OBSERVATIONS CN IRBM TEST 2347 AFCRC-TN-59-983
3 AND791 DECRET)•IL• RE• ENTRY OBSERVATIONS CN IRBM TESTS 100 AFCRC-TN-59-987
3 AND 2764DECRET)•IU• RE• ENTRY OBSERVATIONS ON IRBM TESTS 270 AFCRC-TN-59-986
4, 3507, 4100,DECRET• RE• ENTRY OBSERVATIONS CN IRBM TESTS 610 AFCRC-TN-60-189
RAFT INTOL•OCT 1961 THE RE• ENTRY OF RANDOM RANGEMVERABLE SPACEC AFOSR 1963
ARC GAS HEATERS FOR RE• ENTRY SIMULATION ANDSPACE PROPULSION AFOSR TN 58-1001
OD OF INTEGRATIONDECRET RE• ENTRY TRAJECTORIES SEP 1961 • A METH AFOSR 2109
HYPERSONIC AND RE• ENTRY VEHICLES APRIL 1962 PART IEART ARL 62-347
RSCNIC VELOCITIES PURDE• ENTRY VEHICLES• FIELD COOLING AT HYPE AFOSR 669
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ENS OF THCH MISSILE RE• ENTRY,CTOBER 1960. SECRET• OBSERVATI AFCRL-[60-644
9LL EXAMINATION WITHOUT REPETITION JUN U AFOSR 810
EPPLOYING ENVELOPE DETECTION, INCLUDING PSK AFCRC-TN-59-562
GHTLY•DAMPEDNONLINEAR•THE ENVELOPE OF RANDOM VIBRATION OF A LI AFOSR 4078
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E CORPUSCULAR RADIATION ENVIRONMENT OF THE EARTH 1959 TH AFCRC-TN-59-296
OR • EFFECT OF VACUUM ENVIRONMENT ON THE MECHANICAL BEHAVI AFOSR 2139
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IN A JAPPED ENVIRONMENT, FINAL REPORTUNE 1961. AFCRL-62
HRCNIZATICN IN A JAPPED ENVIRONMENT, JUNE 1961.SECRET • SYNC AFCRL-24
ICRELIPS IN A CHANGING ENVIRONMENT, MAY 16, 1961. • N AFCRL-365
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ICR OF LCAG CHAINCL•THE ENVIRONMENTAL INFLUENCE ON THE BEHAV AFOSR TN 60-412
LABY 15.981.•)L• FUTURE ENVIRONMENTS WHICH AFFECT TEAS, PEBA AFCRL-923
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N BLOOD BY • SPECIFIC ENZYME DETERMINATION OF ALCOHOL I AFOSR 1402
TATION BEHAVIOUR OF THE ENZYME SEDIMEN AFOSR 2021
STITUTIVE AND INCLICIBLE ENZYME • OF PURIFIED CON AFOSR TN 60-732
UGINOSA A PULTI•DEACED ENZYME AMIDASE FROM PSEUDOMONAS AER AFOSR 4349
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BILL SUBMIT REGLIANTS TO ECARDC • CENTERPERSONAL BEHAVICR AFOSR TN 60-1125
ACUSTICP•, CUPATTIVE ECLORIFICNE AEL CONIGLIO SENZA NARCO AFOSR TN 60-1279
COMPOSITE CYLINCER, I. ECMETRIC OPTICS, DECEMBER 1961.•OF A AFCRL-62-50
ACCELERATICNI ACTATERIE ECMPAZIONE TEMPORALE NEL PICCIONE AFOSR TN 59-378
OBLER MAR 1959 A ACT ECN THE ACIALLY SYMMETRICAL PLNCH PR AFOSR TN 59-362
VEL OF?•CP•STERCICS ANI ECSINOPHIL CELLS IN CAT • CN THE LE AFOSR TN 59-1001
SYST•STABILITIES OF GA ECUS MOLECULES IN THE PR SE AND PBE AFOSR TN 60-946
TICN FOR CIS•ANC TRANS• ECXYPERCURATICN•PROPERTIES OF ACTIVA AFOSR 1694
ECLIPSE•CCPPENTS CN THE EPHEMERIDES AND CONSTANTS FCR A SCLA AFCRC-TN-59-229
TECSITICAS, VELOCITIES, EPHEMERIDES JUL 1960 • CYNAPICAL CEN AFOSR TN 60-773
THE STRUCTURE CF TH EPHYCCBILINS FINAL REPORT AFOSR 4184
UATIONS SCM EPHYSICAL SOLUTIONS OF DIRAC•TYPE EG AFOSR 3145
OCCURING EXPERIMENTAL EPILEPSY • RABBIT LATARAL GENICULATE AFOSR 2908
ALINEAR OSCILLATION AND EPILEPSY, JUNE 1962. NO AFCRL-62-392
S AND POLYPERIZATICA CF EPIPERCHLORATCHYDRIN, SYNTHESI ARL-TN-60-190
62. EPITAXIAL CENTACL SYSTEP JUNE 14, 19 AFCRL-62-741
A CARBICE CATCECCS •THE EPITAXIAL GRCWTH OF HEXAGONAL SILICO AFCRC-TN-60-372
A I, 1961. EPITAXIAL GRCWTH OF SILICON, DECEMBE AFCRL-1120
CURING CIPOLSICN AND EPITAXIAL GRCWTHSEPTEMBER 15, 1961. AFCRL-1105
IN THE CLPACTCRYEPRCD EPITHELIUM AND CN THE TRANSPISSICN AFOSR TN 59-558
CORRECTI•CCRRECTICA CF EPOCH ERROR IN CIRCLLAR ORBITSART 1. AFOSR TN 59-62
THE EPOXIDATION CF SOME ALLYLIC ALCOMCLS AFOSR TN 60-247
83 968 974 FEB 1961HE EPOXIDATION CF SOME ALLYLIC ALCOMCLS AFOSR 3787
LE • THE OXIDATICA CF EPOXIDES BY CEIMETHYL SULFCRIDE SIMP AFOSR 249
THE LIFETIME CF THE EPSILON HYPERON JUN 1959 AFOSR TN 60-332
S CN THE SATELLITE 1960 EPSILON 1, SEPTEMBER960.•OBSERVATION AFCRL-166
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ALIZATICN CF BOLTZMANN EQUATION • ANC A GENER AFOSR 2962
STICA ANC THE BOLTZMANN EQUATION QUANTUM STATI AFOSR 746
S TC THE LINEARCLTSMAN EQUATION • APPROXIMATION AFOSR TN 60-465
HE LINEARIZEC BOLTZMANN EQUATION KINETIC MODELS AND T AFOSR 4155
PROBLEM FOR THE LAPLACE EQUATION BOUNDS IN THE CAUCHY AFOSR TN 59-645
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THC GENERALIZEC PASTER EQUATION EQUIVALENCE BETWEEN THE AFOSR 3736
THC GENERALIZEC PASTER EQUATION EQUIVALENCE BETWEEN THE AFOSR 1909
SOLUTICN CF THEIMARCPIC EQUATION • II. DEC 1958 • TO THE AFOSR TN 59-296
THE EULER•PCISSCNARBOLA EQUATION • OF SINGULAR SOLUTIONS CF AFOSR 836
CUP 290 CN THE EQUATION A Z/N+B2/PC2/P IN A FREE GA AFOSR 912
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NA IRONIZ•THE BOLTZMANN EQUATION AND NON•EQUILIBRIUM PHENOME AFCRL-62-281
OF THE WAVE OFEACHING• EQUATION AND TABLE FOR DETERMINATION AFOSR TN 60-875
1959 THE BETA•SALPETER EQUATION AND THE HYDROGENLIKETON OCT AFOSR TR 59-155
SQUARE•ACCTLEIN•GGRCEN EQUATION APR 1962•INVARIANCE AND THE AFOSR 2410
NG,•FAIL •CA AN INTEGRAL EQUATION ARISING IN INVERSE SCATTERI AFCRL-TN-60-744
NCNLINEAR EIPFERENTIAL EQUATION ARISING IN NUCLEARPHYSICS • A AFOSR 3344
OF A TRANSCENDENTAL EQUATION ARISING IN THEMERCY OF AFCRL-62-598
IC ANALYSIS OF REPLER•S EQUATION AUG 1961 FUNCTION THEORET AFOSR 1123
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THE FIRST STEPS CCCPTI• EQUILIBRIUM STUCIES ON POLYANIONS 9 AFOSR 3774
TICNATICN REACTICNETWE• EQUILIBRIUM STUDIES CN THE DISPROPER AFOSR TN 59-577
OF HELTLP TC 6C, CCCD• EQUILIBRIUM THERPCCYNAPIC PROPERTIES AFOSR TN 59-633
STATISTICAL BASIS CPCA• EQUILIBRIUM THERPCCYNAPICS I 1961 AFOSR 1040
CF THE VAPCR IN EQUILIBRIUM WITHPE ALKALI•PETAL AFOSR TN 59-230
PS ANC STATISTICAL NCN• EQUILIBRIUM• II. PINITEYSTE AFOSR 1138
CCT 1959 TECHNICLES ANC EQUIPMENTS F R COPPLER CBSERVATIONS AFCRC-TN-60-370
CUS SPECTRA ANC LABCRATORY EQUIVALENCE CF CAVIS THEORY WITH AFOSR 3256
ISCRETE APPAYSPATL I•, EQUIVALENCE CONTINU AFCRL-TN-60-1104
ZEC MASTER EQUATICN EQUIVALENCE BETWEEN CONTINUOUS ANC C AFOSR 3736
ZEC MASTER EQLATICN EQUIVALENCE BETWEEN THE TWC GENERALI AFOSR 1909
CINGP •THE LSE CP CCSET EQUIVALENCE IN THE ANALYSIS AND DECO AFCRC-TR-59-364
TZ PATRICES ANC LNITARY EQUIVALENCE PAR 60 A NCTE CN TCEPLI AFOSR TN 60-28
N•CONVEX BCUNDS.ART II. EQUIVALENCE CP CAVIS THEORY WITH AFOSR 2307
CN AND THEETERPI•CN THE EQUIVALENCE CF THE BRYSK APPROXIMATI AFOSR 3939
THE EQUIVALENCE CF TWO EXTREPUP PROBLEMS AFOSR TN 59-295
ECT TEST FCR THE STRONG EQUIVALENCE PRINCIPLE CIR AFOSR 3871
YPPETRIES THE EQUIVALENCE PROBLEP IN SPACES WITH S ARL 62-382
INPCROGENECLSIPLACATEC• EQUIVALENT CIRCLIT PARAPETER FOR AN AFCRL-949
RICAL LCNCITLCINALPERT• EQUIVALENT CIRCLITS FOR SPALL SYPPET AFCRC-TN-59-178
INVESTICATION CF THE EQUIVALENT IPPEDANCE OF AIRE GRIC AFCRL-164
ON THE ELEPENTS CF THE EQUIVALENT NETWORK FONCATTERING IN AFCRC-TN-59-108
CN THE ELEPENTS CF THE EQUIVALENT NETWORK FONCATTERING IN AFCRC-TN-59-107
EC. EQUIVALENT NETWORKS, NCVEPBER 29, 19 AFCRL-TN-60-1115
PAPPINC SCLLTICN FCR EQUIVALENT RELATIVEERMITTIVITY CF AFCRC-TN-59-162
CF LNITARILY EQUIVALENT SELF•ADJCINT SPERATORS AFOSR TN 59-413
CIFFERENTIAL EQLATICNS EQUIVALENTO LINEAR SYSTEPS OCT 1961 AFOSR 1419
C CLT CISCCNTINLITY AND EQUIVALENTOTENTIALS • THE LEFT•HAN AFOSR 2223
AT FREE INVCLLTICNS AND EQUIVARIANT PAPS JLL 1960 FIXED POI AFOSP TN 60-719
NC CPTIPLP CETECTERSCR• EQUIVCCATION CF BINARY, NULL•ZONE, A AFCRL-62-42
AN EROSION GAUGE JUNE 1962. AFCRL-62-640
D GRANNIS,LECTRCSTATIC EROSION PECHANISPS • ON A PAPER BY P AFOSR 3109
HEERTICA•THE POTICN ANC EROSION OF CONVECTIVE STCRPS IN STVE AFCRC-TN-59-647
INVESTIGATION CF EROSIVE BURNING CPCLIED PROPELLANT, AFOSR 1089
CCT 1960. INFLLENCE CF EROSIVE BURNING CN INTERNAL BALLISTI AFOSR TN 60-1403
TICNS, CCPRECTIONS, ANC ERROR ANALYS•CIPPERENTIAL REPRESENTA AFOSR 3982
TARGET PCSITION ANCELC• ERROR ANALYSIS FOR CETERPINATION CF WADD-TR-60-70
RCLNDS CN THE TRLCATICN ERROR BY FINITE CIFFERENCES PCR AFOSR 2727
NEAR THE SEA,EPTEPBE•ON ERROR CAUSE IN ICNCSPHERIC SOUNCING AFCRL-1127
RICCRESSIONS AND ERROR CCRRECTING BINARY CCCES JUNE AFOSR TN 59-796
SEP 1959 CN A CLASS CF ERROR CORRECTING BINARY GRCLP CODES AFOSR TN 59-1240
FURTHER RESLLTS CF ERROR CORRECTING BINARY GRCLP CODES AFOSR 85
Y REPLICAT•SCPE TERNARY ERROR CORRECTING CCCES ANCRACTICNALL AFOSR 1090
NCTATED BIBLICGRAPHY CN ERROR CORRECTING CCCES, DECEPBER961. AFCRL-62-1C1
CFNALOGLES•A THECREP CN ERROR ESTIPATICN FCR FINITE DIFFEREN AFOSP 2371
CF CCPPCNENT RESPCNSE ERROR EVENTS IN•C•DIPENSIONAL VISLAL AFOSR TN 60-136
CORRECTION CF EPCCH ERROR IN CIRCLLAR CRBITSART 1. CORRE AFOSR TN 59-62
THE PROPAGATICN CF ERROR IN NUPERICAL INTEGRATION OFNE AFCRL-62-491
CN THE CISCRETIZATICN ERROR IN THE ALPERICALOLLTION OF THE AFOSR 4211
ANEOPPECTS, ANC NORPAL ERROR JAN 1959•NCRPAL CR NCNNORPAL R AFOSR TN 59-217
PROBLEP CF • TRIAL ANC ERROR PREDICATES ANC THE SCLUTION OF AFOSR 817
CIRCLLAR ERROR PROBABILITIES, DECEPBER 196C AFL-TN-60-194
COPPUNICATION LINKSEP• ERROR PROBABILITY CP CASCADED BINARY AFCRL-900
E RANGEEST • CCRRECTED ERROR RATES FCR DUNCAN•S NEW PULTIPL ARL-140
CTICNAL BEPAVICR CF THE ERROR SQUARE SUP • PETHCCS., FUN AFOSR 3216
CP PALTZS NCRR CN ERROR•CCRRECTING CCCES,EPTEPBER AFCRL-TN-60-1118
PROBLEPS FOR CYCLIC ERROR•CORRECTING CCCES, JUNE 30, AFCRL-62-524
FFERE•CN THE TRLNCATICN ERROR, STABILITY ANC CONVERGENCE CFI AFCRC-TN-59-401
STANCARC ERRORS AT HARPCNIC ANALYSIS MAR 1960 AFCRC-TN-60-433
CCCES CORRECTING ERRORS ATANCCP AND IN BURSTS FEB AFCRC-TN-59-137
ITERATICNS WITH ERRORS AUG 1960 AFOSR TN 60-1095
RIL 1960 TREATPENT ERRORS IN COPPARATIVE EXPERIPENTS AP WADC TN 59-19
THE TCPIC CF ERRORS IN COPPUTER SOLUTIONS, ARL-P019
STUCIES CF NLPERICAL ERRORS IN DYNAPICALEATHER PREDICTION AFCRL-TR-60-612
S FEB 1959 ENC•CF•BLAST ERRORS IN METEOR•BURST COPPLNICATION AFCRC-TN-59-143
TICNS OF LPPEREVEL • ERRORS IN SIX ANC TWELVE HOUR PREDIC AFCRL-62-682
LSTVEESPCNS•ANALYSIS CF ERRORS IN THE ESTIPATICN CF THE IPPU AFOSR 2576
STLCY CF NLPERICAL ERRORS IN THE INTEGRATICN CF BAROTRO AFCRL-476
STLDIES CF NLPERICAL ERRORS IN THE INTEGRATION CHARCTRCPI AFCRL-62-1013
LUNAR TCPCGRAPHY III. ERRORS INVOLVEC IN THEMOTOGRAPHIC AFCRC-TN-59-612
FCRTNCSPHERIC •STANCARC ERRORS OF CCSPIC RAY DATA CCRRECTED AFCRL-62-851
PALLNHEXPERIPENTELLE LN ERSUCHUNGEN LBER DIE STREUUNG VCN SC AFOSR 3779
TC THE CPTIPLPROBTLL ESCAPE PROBLEP, AND A CCPPARISCN AFOSR 1000
LCCITY PCR LCW • IMPLST ESCAPE SEP 1959 CPTIPUP EXHAUST VE AFOSR TN 59-929
HEATED CRIVER, PARCH • ESCAPE•VELOCITY STCCK TUBE WITH ARC• AFCRL-930
RICATION CPLYCOLLATE BY ESCHERICHIA CCLI • A ROLTE FOR THE O AFOSR 2625
TERIALS PROP ACETATE IN ESCHERICHIACLI • CP CELL MA AFOSR 326
CCLYTARATE CXIDATICN IN ESCHERICHIACLI • THE MECHANISP OF OX AFOSR 327
TE AN ESERICHE•LIKE ACTICN OF CHLORAL HYCRA AFOSR 4194
IN FAVORE CELL• ESISTENZA DI STRUTTUREINCRONIZZANTI AFOSR TN 59-830
ARE CONSENSUALE NEGLIC• ESISTENZA DI UN VERC RIFLESSO PUPILL AFOSR 2828
DATI A FAVORE DELL• ESISTENZA DERA INFLUENZA SINCRONIZZA AFOSR TN 59-831
ATURE MCLECLLAR BEAPS.• ESLUP AND RUDICIUP PALCES DEC 1961 AFOSR 2083
IP STYLE PAR 1962 SELF• ESTEEP AND THE DIFFLSION OF LEADERSH AFOSR 2555
PYRCLYSIS CS ESTERS DEC 1959 AFOSR TN 60-20
P PARTIALLY FLUCRINATED ESTERS, UREA COPPLEXES O ARL-C009
CF PARTIALLYLUCRINATED ESTERS, APR 1961. • AND SPECTRA ARL-121
ON THE PYRCLYSIS CF ESTERSF ORGANIC AND INORGANIC ACIES AFOSR 2218
ON THE PYRCLYSIS CF ESTERSTHCLYSIS CP ARYL AND BENZYL AFOSR TN 60-655
TABLES CN PYRCLYSIS CF ESTERSTHCLYSIS OF CARBCXYLATES JUN19 AFOSR TN 60-590
III.• ACCLRACY CF ESTIPATICY PAXIPUP LINELINCED APR AFOSR 849

CF THE LEAST SQUARES ESTIPATOR INFORESSION ANALYSIS	AFOSR 892
CROER STATISTICS AND ESTIPATORS FOR THE WEIBULL DISTRIBUT	AFOSR TN 60-489
NE ILJ*CT*TH* EFFECT OF ESTROGEN ON PLASPA LUTEINIZING HORMO	AFOSR 71
NE JLH* ACTIVITY CF THE ESTROGENIZED,VARIECTORIZED RAT+HORMO	AFOSR TN 60-1494
ETCH PATTERNS IN ZINC	AFOSR TN 59-133
LARY 1962 ETCH PIT STUDIES OF INS CRYSTALS JAN	ARL 62-303
ICPERPHCLS CHARACTER OF ETCH PITS IN TELLURIUM FRANT	AFOSR 1994
CN THE ETCHING OF III+V ANC II+VI COMPCUNDS	AFOSR 1621
CRCCRAPPIC STUCY CF THE ETCHING OF ZINC JULY1960 CINEPHCTCMI	ARL 4085
TCPICRCGRAPPIC STUCY CF ETCHINGMENOMENA + FOR THE CINEPHC	AFOSR TN 60-696
CORIGINES CORTICALE ETERIPHERIQUE VERS LE CENTRE PERIAN	AFOSR 1813
IN ANIONS CP DIPPERYLYL ETHER SPIN AND CHARGE EXCHANGE	AFOSR 2178
CIPHENYLPETHANEIPPENYL ETHER IND DATE*+ STUDY CF THE SYSTEM	AFCSR 304
TEPPERATLORGA DIPPENYL ETHER CALORIPETER PCR PEASURING HIGH	AFOSR TN 59-309
N TIMES PCR SCPERCPATIC ETHER I + IN TERMS OF THC RELAXATIO	AFOSR TN 60-208
2 PROPANCL AND DISETHYL ETHER WITH NCN PALOGEN ACIDS	AFOSR TN 59-1319
TES SCPE HELICICLS+ ETHNIC DIFFERENCES IN INTERACTION RA	AFOSR 1079
IOLESICAS IN THERAPEAL+ ETHOLOGICAL STUCIES OF LOCALIZED BAD	AFOSR TN 59-1297
ETHYL CLYCZYLATE PREP ETHYL BROMOACETATEAC DIMETHYL SULFOX	AFOSR 4293
CP ETHYL CLYCOLATE CF ETHYL BROMUACETATEAC KIMETHYL SULFOX	AFOSR TN 59-570
A NOVELPREPARATICN CP ETHYL CLYCZYLATE PREP ETHYL BROMCACE	AFOSR TN 58-530
TEAC + PREPARATICN CP ETHYL GLYCOLATE CP ETHYL BROMOACETA	AFOSR TN 59-570
IC SCCIUM AND ETHYL PHENYLPROPIOLATE APR1960	AFOSR TN 60-457
FLARATION IN CYSPACSILP ETHYL SULPHATE, JULY961. + A	AFCRL-62-41
ANS ISOMERIZATION CF 2+ ETHYL12,1.0' BICYCLCPENTANE + CIS+TR	AFOSR 3090
-PETHYL AZIDE ANC -PETHYL AZIDE IN SCLID ARGEN AND	AFOSR 593
THE PAST SPECTRUM CF ETHYLLITHIUP VAPOR	AFOSR 220
VIBRATIONAL SPECTRA CF ETHYLENE AND ETHYLENO+DO+SCLIC+STATE	AFOSR 764
CHEMILUPINESCENCE CF ETHYLENE PURPED PROBABLY PROPETHYLEN	AFOSR TN 60-102
SYNTHESIS CF THE CYCLIC ETHYLENE METAL CPYCLOPENTACIENONE	ARL-C058
DISPERSICN IN ETHANE+ ETHYLENE MIXTURES AND IN MALO+THANE	AFOSR TN 60-924
ACETYLENE+ ETHYLENE OXIDE FLAMES FEB 1962	AFOSR 2344
SPECTRA CF ETHYLENE AND ETHYLENE+DO+SCLIC+STATE VIBRATIONAL	AFOSR 764
IS ANCRAN!+CICHLCRC+PIS ETHYLENECIAPINE PHCCIUM III SALTS+ C	AFOSR TN 60-VPR
SCPE METAL CHELATES CF ETHYLENECIAPINETETRACETIC ACID,IETH	ARL-C062
CCRCINATICA KINETICS CF ETHYLENECIAMINETRACETATE CCPPLEX+C	AFOSR TN 58-844
REACTICNSYNAICE ICN AND ETHYLENEDINITRILC TETRACETATE ION	AFOSR 1460
ICA CF THE STRUCTURE CF ETHYLLUCRIDE MICROWAVE CETERMINAT	AFOSR TN 60-130
RCUGH HIGH PURITY POLY1 ETHYLPETHACRYLATE, + CF COPPER TH	ARL-C034
SUPSTITUTED TRIPHENYL+ ETHYLS I + SPECTRA CF SOME DEUTERIUP	AFOSR TN 59-392
CF THE CIS ANC TRANS+ ETHYLSILYLCYCLCHEXANES	AFOSR 1577
SALTS+PENTCYCLO[2PICAYL+ ETHYNYL+O 2+CIHYDROPYRIDINE DEL 1959	AFOSR TN 60-156
CN CF THE BORANE INCED, ETRAGONAL STRUCTURES AUG 1958+ SECTI	AFOSR TN 59-320
+3 B+BENCEPETHYLENE+ 4 + ETRAHYDROPHTHALIC ANHYDRIDE+ EXO+CIS	AFOSR TN 60-93
S RESPONSES EVOCUEES + ETUDE PACRO+ET PICRCPHYSICLCGIQUE DE	AFOSR TN 59-1013
S CIVERS E ZFFERENCES (ETUDE PACROPHYSICLCGIQUE + ABS TYPE	AFOSR TN 60-1314
ICAS SENSCRIELLESL + ETUDE PICROPHYSIOLOGIQUE CES PROJECT	AFUSR TN 60-1443
EUERS D,AFFERENCES. II. ETUDE MICROPHYSICLCGIQUE+AES TYPES D	AFOSR TN 60-1442
POR PICRCBAVEETHCPANCA+ EUCLIDEAN GECPETRIC REPRESENTATIONS	AFCRL-62-500
C CONVER HYPERSURFACESN EUCLIDEAN SPACE + THECREP ON CLOSE	AFOSR 3273
ISE+LINEAR STRUCTURE CF EUCLIDEAN SPACE 1962 THE PIECEW	AFOSR 3304
CP PROJECTIVE SPACE IN EUCLIDEAN SPACE 1962+SOME IPPERSIONS	AFOSR 3971
ERENTIABLE PONIFOLDS IN EUCLIDEAN SPACEAY 1960 + DIFF	AFOSR TN 60-545
PACT METRIC SPACES! INTC EUCLIDEAN SPACES IMMERSIONS OF COP	AFOSR 3746
1959 IV PAPS OF SPHERED EUCLIDEAN SPACES + MATH 46 285+309	AFOSR TR 58-146
LCCAL +CRTPCCPPISMS CF EUCLIDEAN SPACES OCTOBER 1959 ON	AFOSR TN 59-1307
SEC RIEMANN SURFACES IN EUCLIDEAN SPACE960+ IMBEDDING OF CLC	AFOSR TN 60-1266
F THEIRACTION RHYTHA IN EUGLENA + EN THE PHASE AND PERIOD O	AFOSR 2352
SIT+ OF A CONJECTURE CF EULER + ORTHOGONAL LATINAE THE FAL	AFOSR TN 59-461
*ITY OF A CONJECTURE CF EULER, II MAY 1959 + / THE FAL	AFOSR TN 59-518
VILINEAR CERIVATIVE THE EULER+LAGRANGE EQUATIONS AND THE CUR	AFOSR 3192
NGULAR SCLUTIONS CF THE EULER+POISSCHARDOUX EQUATION + OF SI	AFOSR 894
STENCE + CN FALSITY CF EULER+S CONJECTURE ABOUT HTE NON+EXI	AFOSR TN 59-277
GONAL LATIN SCLARES AND EULER+S CONJECTURE JAN 1960 CRTHO	AFOSR TN 59-1241
ANC ITS APPLICATICNA+ EULER+S CONTINUCUS FRACTION EXPASION	AFOSR 1225
NC THEUNCAPENTALS CF +L EULER, THE PRINCIPLE OF RELATIVITY A	AFOSR 2782
E CFCTH +LAGRANGIAN AND EULERIAN RELATICNSHIPS IN THE ARSYNC	AFCRC-TN-60-299
SYSTEPND CALCULATICN CF EULERIAN SCALE CF TURBULENCE FROMIVA	AFCRL-62-665
CPTIMAL CORE INTER EUROKS PART II CF FINAL REPCRTEC	AFOSR 234
REPORT CN ATTENCANCE AT EUROPEAN CONFERENCES ONCOUSTICS AND	AFOSR 3082
C IC +VISITS TC SEVERAL EUROPEAN RADIC CBSERVATORIESSUPPER DE	AFCRC-TN-59-105
ASPEC+RELATION BETWEEN EUROPHYSIOLOGICAL AND PSYCHC+SOCIAL	AFOSR 716
P,ECEMBER+CCPPATIBILITY EVA UATION CF DATA HANCLING SUBSYSTE	AFCRL-62-1100
FOR COMPUCTENTIAL EVAPCRANSPIRATION AND THE WATER	AFOSR 1637
LS FOR SCLAR ENERCYCAV+ EVAPORATED CCS FIRP PHOTOVCLTAIC CEL	ARL 4082
PAGNETIZATICN CF THIN, EVAPORATED NICKELFES IN A CHANGING	AFCRL-365
EB 30, 1962. EVAPORATED THIN FILP DEVICES, NOVEMB	AFCRL-62-969
PLETS IRNE+CIPENSICNAL+ EVAPORATION ANC PREAK UP CF FUEL CRO	AFOSR TN 60-219
CF CONCENSATICN, EVAPORATION ANC RAINFALL CN THEEVELU	AFCRL-TN-60-814
STRENGTH FOR FIELC EVAPORATION ANCENIZATION IN THE	AFOSR 3529
TERFACIAL RESISTANCE TC EVAPORATION CBC 1960 OTS 100 IN	AFCSR 333
CRYSTAL PERPPCLCGY IN EVAPORATION EQUILIBRIUM ANC GROWTHN	ARL 4084
EVAPORATION PROP THE OCEANS DEC 59	AFCRC-TN-60-211
CF PETECRS CURING THEIR EVAPORATION JUNE 59+ON THE VELOCITY	AFCRC-TN-59-579
S FREE EVAPORATION CF ALKALI HALICE CRYSTAL	AFOSR TN 58-460
SC RATES CF EVAPORATION CF LIQUIDS PAR 1961 OTS	AFOSR 464
REPCATEPT +PECHANISP CF EVAPORATION CF PETAL CRYSTALS FINAL	AFOSR 3994
L PARTICELCEC BY FIELD EVAPORATION CF PETAL CRYSTALS+CRYSTA	AFOSR TN 57-739
TRIA FILP EVAPORATION TECHNIQUES PAR 1960	AFCRC-TN-60-302
IC VELOCITIES PCRE+EAT+ EVAPORATIVE FILP CCCLING AT HYPERSON	AFOSR 669
LPEER 7CNIC+RESEARCH CA EVAPORATIVE FILP CCCLING CF A HACH N	WADD TN 60-251
CIES IN HYPERSCNIC + EVAPORATIVE FILP CCCLING CF BLUNT BO	AFOSR 1446
GRCWTH ANC CRICATICA CF EVAPORATCPPER FILMS WITH A HIGH	AFOSR TN 59-1195
N TC THE PCCN JUNE9EC EVAPCROGRAPHY WITH SPECIAL APPLICATO	AFCRC-TN-60-469
APPLICATICA OF JAPPING+ EVASION TECHNIQUES TO GCA RACARSUCUS	AFCRL-62-574
CTLRESCTIC+SCATTERING CF EVAVESCENT WAVES BY CYLINDRICAL STRU	AFCRL-65
IAN CU CPAT ANESTHESIEU EVEILLE + VERS LE CENTRE PED	AFOSR 2178
CU THALAPLSPEZ LE CPAT EVEILLE LIBRE PCATELN C ELECTRODES	AFOSR TN 60-1369
INSTALLATICN, TESTING, EVELOPMENT, AND PCCIPICATICA CF	AFCAC-TN-59-359
INCIDENT EFFECTS CP AN EVENT BY NEMNEVAJSA OCT 1960+THE L+2	AFOSR TN 60-13578
PRABABILITY OF A FUTURE EVENT, JANUARY 1961+TOSTIPATING THE	AFCRL-204
CTING THE PERCEPTICA CF EVENTS AS CHANCEETERPINED + AFFE	AFOSR 3703
I. SCPECTICAL EVENTS ASSOCIATED WITH FLARES SHOWIN	AFCRL-023
ALACRAL ZCAE ABSCRPTICN EVENTS CURING THEIRST SIX PENTHS CP	AFCRL-62-937
RESPCNSE ERRCR EVENTS INNO+CIPENSIONAL VISUAL TRACH	AFOSR TN 60-136
CIAL CLASS CF RECURRENT EVENTS JUN 1961 CN A SPE	AFOSR 891
IN A CHAIN OF PULTIPLE EVENTS WHEN THERE ISIPPLE CEPENDENCE	AFCRL-62-496
T THEOROP PCR RECURRENT EVENTS 1961 A NEW LIMI	AFOSR 602
NC POLAR CAP ABSCRPTICN EVENTS, JULY 1962. SOLAR ACTIVITY A	AFCRL-62-708
PRASECCYPILP ORICE AND EVERETT+SHECRY CF HYSTERESIS PAR	AFOSR 549
WCRR AT THE AVCC+ EVERETTESEARCH LABCRATORY PAR 1962	AFOSR 2352
NCTE CN THE EVERSHED EFFECT IN SUNSPOTS, 1961.	RL-62-279
IELES OF SUNSPOTSAC THE EVERSHED EFFECT 1959+ THE PAGNETIC F	AFCRC-TN-59-441
F VIBRATICNALT+SEP 1961 EVIDENCES PCR OCTUPOLE AND QUADRUPOL	AFOSR 1965
CEI POTENZIALI EVOCATI DALLA STIPCLAZIONEIPETITIVA	AFOSR TN 60-1201
CIE POTENZIELI EVOCATI DALLA STIPCLAZIENECTICA	AFOSR TN 60-1200
CELCTERIZIALE EVOCATO DALLA STIPCLAEICNE POTICA	AFOSR TN 59-464
PAY CCULAR TREPCA EVOKE FLICKER SENSATION	AFOSR TN 59-370
PAY A SINCLE STIPULLS EVOKE TWO SENSATIONS SEPARATEN SPACE	AFOSR 1761
ANC SCPESTHETICALLY EVOKED ELECTRICITY IN THE HUMAN	AFOSR TN 59-697
APPLITLCE CP RESPCNSES EVOKED IN THEENTRAL MEDIAN CP THE	AFCSR 744
CF SOPESTHETIC CRIGIN EVOKED CN A LEVEL WITHME NCNASPECIFI	AFOSR TN 60-676
PE CATECTICA CACTLY CF EVOKED POTENTIALS	AFOSR TN 60-1272
ATE DOEVNC + CHANCES CP EVOKED POTENTIALS IN LATERAL GENICUL	AFOSR TN 59-704
Y+CHANGES CP PHCTICALLY EVOKED POTENTIALS IN THE VISUALPATHWA	AFOSR TN 59-703
Y+CHANGES CP PHCTCCALLY EVOKED POTENTIALS IN THE VISUALPATHWA	AFOSR TN 60-1154
ANC VARIANCE COMPLTERCA EVOKED POTENTIALS OF THE BRAIN	AFOSR TN 60-1280
MCDIFICATICNSN THE EVOKED POTENTIALS PRODUCED BY REPETI	AFOSR TN 60-1201
MCDIFICATICNSN THE EVOKED POTENTIALS PRODUCED BY REPETI	AFOSR TN 59-464
OP PARTIVATICA CP EVOKED POTENTIALSREP PHOTIC STIPULAT	AFOSR TN 59-1013
STUCY CN THE EVOKED RESPCNSES CNE RED NUCLEUS	AFOSR 2882
THE PUPIL IN CHANCES IN EVOKED RESPCNSES ALCNGME VISUAL	AFOSR 2510
PCCIPICATICNS CFCTICAL EVOKED RESPCNSES CURING AVCIDANCE	AFOSR 1147
SPCNSES EVOKED RESPCNSES IN P AN I PHCTIC RE	AFOSR 1168
TICN CF VISCRAL EVCREC+ EVOKED RESPCNSES IN PAN, II. HABITUA	AFOSR TN 60-1273
PURING + ENHANCEPENT CF EVOKE RESPCNSES IN THE VISCAL SYSTE	AFCRC-TN-59-94
+CRC+SPELLINGLPHABE+IPE EVOLUTION AND RATIONALE OF THE ICAO	AFOSR TN 60-916
VALICITY CF A TEST PCR EVOLUTION MAY 1960 REMARKS ON THE	AFCRL-62-197
ANTITATIVE STUCY CF THE EVOLUTION OF GASES FROP A GU	AFCRL-62-923
STUCY CF THE EVOLUTION OF GASES PROPLECTRON TUBES	AFCRL-62-769
STUCY CF THE EVOLUTION OF GASES PROPLECTRON TUBES	AFOSR 208
ANALYSIS CF THE EVOLUTION OF THE BRAIN INAPPALS	AFCRC-TR-59-1201
ER + SYSTEP PROBLEPS IN EVOLVING AN AIR TRAFFIC CONTROLCPUT	AFOSR TN 59-1013
CES RESPCNSES EVOQUEES DANE NCYAU BOUGP BAR OFS	AFOSR TN 60-1442
EN REPCNSE + ACTIVITES EVOQUEES DANS LE NCYAU CAUDE DU CPAT	AFOSR TN 60-1314
EN REPCNSE + ACTIVITES EVOQUEES DANS LE NCYAU CAUDE DU CPAT	AFOSR 2131
ATILP IN RCNESRCP SPEEP EWES AND THEIR RETUSES + STABLE STRO	AFOSR TN 60-690
SURFACESCPPARESCN CF EXACT AND APPRCXIMATE FLAT PLATE	AFOSR 604
CCPPARISCN BETWEEN EXACT AND APPRCXIMATEHEORIES CF	AFOSR TN 59-372
OLIC EQUATICNS BYINITE+ EXACT BCUNDS FOR SCLUTICNS CP HYPERB	AFOSR TN 59-644
CE APPRCXIPATICA JLA + EXACT INFORPATION BY FINITE DIFFEREN	AFOSR TN 58-1098
THE FROST PCINTS + AN EXACT LATTICE+PLUSTER EXPANSION PCR	AFCRL-737
AR GUIDE LCACECITY + AN EXACT MODAL SCLUTICN FOR A RECTANGUL	AFOSR 1049
CCC+S ANC PASSEY+STATI+ EXACT POWER CF SCME TESTS BASED CN P	AFOSR 3164
APPLE NCN+PAR+JLAF 1962 EXACT PCWER CP SCPE TWC+SAPPLEND C+S	AFOSR TN 60-544
CCY MAY 1960 AN EXACT SEQUENCE IN CIFFERENTIAL TOPOL	AFOSR 2107
INTEGRATIENCR RE+EATP+ EXACT SIPILARITY LAW AND A PETHCD OP	AFOSR 3719
TWCIFFERENT GASES CN AN EXACT SCLUTICN CF LAMINAR PIXING CP	AFOSR TN 58-1043
TIC WAVES PROPAGATINGLY EXACT SCLUTICN CP LCNGITUCINAL ACCUS	AFOSR 622
XPANSICNS CF AIR WITHC+ EXACT SCLUTICNS FCR NONEQUILIBRIUP E	AFOSR TN 58-895
ICS OCT 1958 A CLASS CF EXACT SCLUTICNS IN PAGNETCHYDRCDYNAM	AFOSR 3144
PIC VISCCUS PLCWRC+SCPE EXACT SCLUTICNS CF PAGNETC+HYDRODYNA	AFOSR TN 59-909
CP P SIGNAL SPECIFIED EXACTLY WITH A ACISYTORED REFERENCE	AFOSR 3817
THE PCCIPICATICA CF AN EXCEPTIONAL ANALYTIC SET ON	AFCRL-TN-60-692
56'. PLNCLASSIFIED EXCERPTS FROP THERECEEDINGS OF THE	AFOSR TN 60-411
PALLACILP EXCESS FREE ENERGY IN DEHYDROGENATED	ARL 172
CPCEARING CLE TC EXCESS VACANCIES AN GROBRTRENGTHEMIN	AFCSR 927
+ T, ANC +THE ISCTCPIC EACH AGE REACTIONS CP B2H6 WITH O T,	AFCRL-807
THE NORTH ATLANTIC+HEAT EXCHANGE AND CYCLONE DEVELCPPENT CN	AFOSR TN 60-470
CF THC DELTERIUP EXCHANGE BETWEEN1CPANE AND DIMETHYL	AFOSR TN 59-292
CPAR 1959 TABLES CF EXCHANGE BRCACENED NMR+R PULTIPLETS	AFOSR 1094
PANGANATE+PERPANGANATE EXCHANGE BYULSEC NUCLEAR PAGNETIC	AFOSR TN 60-246
TRACTSI+PT 1 DIRECT ICN EXCHANGE CHECPATCGRAPHY OF TISSUE EX	AFOSR 2089
CORRELATICN CF ICN EXCHANGE COLLPN WITH PCLECULAR STRUC	AFCSR 238
CORRELATICN OF THE ICN+ EXCHANGE CONTRIBUTIONS TO THE PHASE+	APUSR 2117
TACIPICN+ PESCNIC EXCHANGE EFFECTS IN BETA+DECAY	AFOSR TN 59-522
SUSCEPTIBILITIES ANC EXCHANGE EFFECTS IN FOURGANIC FREE	AFOSR 2584
EA SPIN ANC CHARGE EXCHANGE IN ANIONS CP DIPHENYLYL ETH	AFOSR 304
SPIN EXCHANGE IN BIRADICALS	AFOSR TN 60-218
CATALYSIS CPPLCRIDE EXCHANGE IN CHLORCAPPINEPLATINUP	AFOSR TN 59-1229
ELARAT+THE INFLUENCE CP EXCHANGE INTERACTICA ON PARAPAGNETIC	AFOSR TN 59-1765
ELECTRCPHCRESIS IN ICA EXCHANGE REPCRANES CSCILLATORY	AFOSR 3651
LLIC + A STUCY CF ICN+ EXCHANGE PETHCDS FOR SEPARATING META	ARL 137
RCPAGNETS EXCHANGE NARRCWING CP C BANDS IN PER	AFOSR 4069
CPRRECTICA TC THE SLATER EXCHANGE POTENTIAL SCREENING C	AFOSR 4075
PRESSLRE ENERGY EXCHANGE PRINCIPLE PAY 1961	ARL 65
ARCP ON PRESSLRE ENERGY EXCHANGE PRINCIPLE 1960 RESE	ARL-TN 60-120
Y GASE)PRESSLRE ENERGY EXCHANGE PRINCIPLE'LEY 1962 + DENSIT	ARL 62-398
BASIC STUCY CP ENERGY EXCHANGE PROCESS BETWEEN ELECTRIC	AFOSR 1264
PCLECLLAR ENERGY EXCHANGE PROCESSES,	ARL-C019
THESOPCLECLLAR CRYGEN EXCHANGE REACTICNS CF LANTHANUPERIUP	AFOSR 4204
OF NICKEL II LIGAND EXCHANGE REACTICNSYANIDE ICN AND	AFOSR 1460
UCTLRE INLECT+THECRY CF EXCHANGE RELAXATICA CP HYPERFINE STR	AFOSR 2204
CN THE LSE OP STRONG EXCHANGE RESINS FCR DETERPINATIONS	AFOSR 4334
TIC CUC12 IP2 THECRY CF EXCHANGE RESONANCE IN ANTIFERROPAGNE	AFOSR 2918
SPECIFIC HEAT CP THE EXCHANGE SYSTEP CP SOME FREEACICALS	AFOSR TN 60-505
+3'4506,+2 EVICENCE FCR EXCHANGE+COUPLEC LINEAR CHAINSN CLIN	AFOSR 2779
THEORY OF PAGNETIC EXCHANGE+LATTICE RELAXATION IN THC	AFOSR 1971
FERBIDDEN SPIN RESCNA+ EXCHANGE+ORDERING AND OBSERVATION OF	AFOSR 34
IS BYISSCCIATIVE CHARGE EXCHANGE, + CP HYDROCARBON RACICLYS	ARL-C031
CTS IN PCLECULAR ANCCL+ EXCHANGE, CORRELATICN, AND SPIN EFFE	ARL-TN-46
VCCAL EXCHANGES BETWEEN DOLPHINS	AFOSR 2296
PECHANISPS CP ISCTCPIC EXCHANGES IN THE BCRON HYDRIDESUN	AFOSR TN 59-613
THE INFLUENCE CP HEAT EXCHANGES ON PCTION AND WEATHERSYSTEP	AFCRC-TN-59-446
PT ANC PC THE ISCTCPIC+ EXCHANGE REACTICNS CP B2H6 WITH DT,	AFOSR 1693
CES, SUNSPCN ANC TISSUE EXCITABILITY+ IMELATION TO GANGLICSI	AFOSR 512
CN PROBABILITY CFCLLCPB EXCITATION + LIFE OF UPPER LEVEL	AFOSR TN 60-615
APR 1960 EXCITATION ANC ABUNCANCES IN COMETS	AFCRC-TN-60-439
E WAVES FEB 1959 EXCITATION ANC PROPAGATICA CP SUBPAC	AFCRC-TN-59-196
WAVEGLICE WITH EXCITATION BY A PAGNETIC RINGURRENT,	AFCRL-79
CP CPTICAL EXCITATION CROSS SECTIONS IATCMIC	AFOSR 1992
IN ELECTRON EXCITATION EFFECTS IN P+P AND PAMCAT	AFOSR TN 59-606
STATE WAVE PLACTICAL, EXCITATION ENERGIES ANDSCILLATOR	AFOSR TN 58-889
ITY GAS PLCWS ELECTRON EXCITATION PCR THE PROBING OF LOWENS	AFOSR 3694
A ELECTRCA COLLISICNSA+ EXCITATION PLACTION OP HELIUP 31P PO	AFOSR TN 59-955
PCLECLLAR EXCITATION GRCUP, JUNE 1, 1962.	AFCRL-62-699
F CCLLISICN TRANSFER CP EXCITATION IN LELIUP THEORY O	AFOSR TN 60-901
INVESTIGATICNS CN THE EXCITATION PECHANISP IN THE OLFACTOR	AFOSR TN 59-550
5577 EPISSICN IN THEPP+ EXCITATION PECHANISPS OF THE CRYGEN	AFCRC-TN-60-449
AIELECTRIC+CONCENTRATED EXCITATION CP A PETAL CYLINCER WITH	AFCRL-588
CRCGEN + STUCIES CF THE EXCITATION OF ALRORA BCREALIS I THEY	AFCRC-TN-59-626
ECROICGE+STUCIES CP THE EXCITATION OF ALRORA BOREALIS II, TH	AFCRL-TN-60-280
CHEPICAL PACTORS IN THE EXCITATION OF CEREBRAL TISSUE 1962	AFOSR 3041
59 PARASITIC EXCITATION OP CIRCULAR ARRAYS AUG 1	AFCRC-TN-59-553
AR ANTENNABERA+PARASITIC EXCITATION OP CONCENTRIC RING CIRCUL	AFCRL-62-912
ANA + CN THE RESCNANCE EXCITATION OF CCNBOLGATED CYLINDRATE	AFCRC-TN-59-969
TALP JUNE 1960 EXCITATION OP HE I IN THE SCLAR SPEC	AFCRC-TN-60-447
IP ANC 11S, 9P'IPTATE+ EXCITATION OP HELIUP TO THE 11S, 2P'	AFCRL-1016
TRCN IMPACT THE 15+2S EXCITATION OP HYDROGEN ATCPS BY ELEC	AFCRL-649
CN IMPACT THE 15+2S EXCITATION OP HYDROGEN ATOPS BY PROT	AFCRL-633
ATES OPLCLEI BY IAELAS+ EXCITATION OP INCIVIDUAL+PARTICLE ST	AFOSR 3066
SLCELECT+THE ROTATICNAL EXCITATION CP PCLECLLAR NITROGEN BY	AFCRL-62-648
CIALTY + ICNIZATICN AND EXCITATION OP NEUTRAL OXYGEN IN THEI	AFCRL-TN-60-826
C CXYGEN IMPTERCLED + EXCITATION OP NITRIC OXIDE AND ATCMI	AFCRL-62-650

TCRBICC E CRL OF FIBLE•ALLIGNED ON A PROBLEM CF L. ICA CF NEST MATERIAL BY ANCAMENTC NEL TEMPO DEL ELECTROPHYSIOLOGICA DEL THERMOLUMINESCENCE AND REACTIONS DES ALLIAGES ON THE CLTER VAN ALLENELT • PROPAGATION IN A CILLTE TENTIAL CN A DEGENERATE CORRECTIONS TO THEPCPAS• TO THEPCPAS• CTRON GASCV 1961 THE INVESTIGATION CF THE N ALPHEN STUDIES CF THE ERMATICALCNFERENCE•THE IN THE TPCPAS• EIGENVALLES CF THE STRUCTURE CF IATEMARCE•THE V•A PCLN• RULE ANC THE NEAR PCLN CF MANY• ONSE FUNCTION OF A MANY RE BEHAVICR OF PAIRS CF DUCTIVITY CF SYSTEMS CF STATE CF THE CHAPMAN• HE CRYSTAL STRUCTURE CF AIRBORNE ANTENNAS FOR INCUCED SPECTRA CF SCME PART II • UPCN NCNLINEARITIES IN CN GROWING CRYSTALS CF CN GROWING CRYSTALS OF NETC•OPTICAL EFFECTS IN EFFECTS IN S AND MICROWAVE CIRCUI• PISCELLANECLSESCHANCE • ALLINETTRILP • OCT 1959 E MICROPECKERS SEP 61 PRESSURE CEPENDENCE CF SATURATICN EFFECTS IN LSICN OF IPCN IN NICKEL MAGNETIZEC SLAB CF OF PLANE WAVE CN A R •EXTREMELY ORCAC OCAC CIRCUITPROPERTIES CF TRANSVERSELY MAGNETIZED ETIC PROPERTIES CF SCME APPLICATION OF CIPCLAR MAGNETCDYNAMIC CIPCLAR GICN PART II OCT 31 59 PHASE EQUILIBRIAN THE BALKER MCDES IN LARGE NGITUDINALLY MAGNETIZED ESCADED WITH MAGNETIZED FREQUENCY COUPLING WITH PERMEABILITY SPECTRA IN SWITCHING PROPERTIES CF OF THIN FILMS ANC BULK GROWING SPINWAVES IN VEC IN THE PREPARATICNF PROPERTIES ZINC HARMONIC GENERATION IN A NUCLEI IN SCME SPINEL HE CVER•ALSER EFFECT IN IN•WAVE INTERACTIONS IN THECRETICAL PROBLEMS IN CENES. THE SYNTHESIS CF '2 NEW RCCP•TEMPERATURE EFFECTS CF BACIATICA CN T THEORY CF THE . MATERIALS PART I . APRIL 3C, 1962. LPP TE • NCA•IISCMCAP•ISP CF STRUCTURE CF THE BISULPATE HYCROGEN SULPATE A NEW PICCWAVE PROPERTIES CF CCCACETATE ITRATE IUMPLP•RCCP•TEMPERATURE SYSTEM PICCWAVE PROPERTIES CF ACCURATE MEASUREMENT CF CF MEISSNERORG CIPPLSICA IN A YSTALS LSAGNETIZATION OF CLOIC HARMONIC GENERATION IN APPLICATIONS CF THIN CHARACTERISTIC CF THIN RELAXATICN PROCESSES IN LCSS PHENOMENA IN NDTE•OPTICAL EFFECTS IN NISCTRCPYISTRIBUTICN IN SPIN WAVE ANALYSIS OF PS NCV 1961 PICCWAVE RESONANCE IN ANTIFERROMAGNETIC TC THE FALL EFFECT IN NEW STCRAGE•RESEARCH IN N 19, 1961C•RESEARCH IN WAVE INTERACTICNS IN RARCWAVING CF B BARS IN E PCR RARCCW LINE•NICTH OF THE VAPORIZATION CF OF IRON ANC SULPHUR IN ITE LAYCUT SATELLITE PEGATO VACUCLIZZATOIPHCSPHC•PIRIDINE REGION IRREGULARITIES AND TRANSEQUAT OF SHANNON• ON A PROBLEM CF L. ICA CF NEST MATERIAL BY ANCAMENTC NEL TEMPO DEL ELECTROCPISIOLOGICA DEI THERMOLUMINESCENCE AND REACTIONS DES ALLIAGES ON THE CLTER VAN ALLENELT • PROPAGATION IN A CILLTE TENTIAL CN A DEGENERATE CORRECTIONS TO THEPCPAS• TO THE•CPAS• CTRON GASCV 1961 THE INVESTIGATION CF THE N ALPHEN STUDIES CF THE ERMATICALCNFERENCE•THE IN THE TPCPAS• EIGENVALLES CF THE STRUCTURE CF THE IATEMARCE•THE V•A PCLN• RULE ANC THE NEAR PCLN CF MANY• ONSE FUNCTION OF A MANY RE BEHAVICR OF PAIRS CF DUCTIVITY CF SYSTEMS CF STATE CF THE CHAPMAN• HE CRYSTAL STRUCTURE CF AIRBORNE ANTENNAS FOR INCUCED SPECTRA CF SCME PART II • UPCN NCNLINEARITIES IN CN GROWING CRYSTALS CF CN GROWING CRYSTALS OF NETC•OPTICAL EFFECTS IN EFFECTS IN S AND MICROWAVE CIRCUI• PISCELLANECLSESCHANCE • ALLINETTRILP • OCT 1959 E MICROPECKERS SEP 61 PRESSURE CEPENDENCE CF SATURATICN EFFECTS IN LSICN OF IPCN IN NICKEL MAGNETIZEC SLAB CF OF PLANE WAVE CN A R •EXTREMELY ORCAC OCAC CIRCUITPROPERTIES CF TRANSVERSELY MAGNETIZED ETIC PROPERTIES CF SCME APPLICATION OF CIPCLAR MAGNETCDYNAMIC CIPCLAR GICN PART II OCT 31 59 PHASE EQUILIBRIAN THE BALKER MCDES IN LARGE NGITUDINALLY MAGNETIZED ESCADED WITH MAGNETIZED FREQUENCY COUPLING WITH PERMEABILITY SPECTRA IN SWITCHING PROPERTIES CF OF THIN FILMS ANC BULK GROWING SPINWAVES IN VEC IN THE PREPARATICNF PROPERTIES ZINC HARMONIC GENERATION IN A NUCLEI IN SCME SPINEL HE CVER•ALSER EFFECT IN IN•WAVE INTERACTICNS IN THECRETICAL PROBLEMS IN CENES. THE SYNTHESIS CF '2 NEW RCCP•TEMPERATURE EFFECTS CF BACIATICA CN T THEORY CF THE . MATERIALS PART I . APRIL 3C, 1962. LPP TE • NCA•IISCMCAP•ISP CF STRUCTURE CF THE BISULPATE HYCROGEN SULPATE A NEW PICCWAVE PROPERTIES CF CCCACETATE ITRATE IUMPLP•RCCP•TEMPERATURE SYSTEM PICCWAVE PROPERTIES CF ACCURATE MEASUREMENT CF CF MEISSNERORG CIPPLSICA IN A YSTALS LSAGNETIZATION OF CLOIC HARMONIC GENERATION IN APPLICATIONS CF THIN CHARACTERISTIC CF THIN RELAXATICN PROCESSES IN LCSS PHENOMENA IN NDTE•OPTICAL EFFECTS IN NISCTRCPYISTRIBUTICN IN SPIN WAVE ANALYSIS OF PS NCV 1961 PICCWAVE RESONANCE IN ANTIFERROMAGNETIC TC THE FALL EFFECT IN NEW STCRAGE•RESEARCH IN N 19, 1961C•RESEARCH IN WAVE INTERACTICNS IN RARCWAVING CF B BARS IN E PCR RARCCW LINE•NICTH OF THE VAPORIZATION CF OF IRON ANC SULPHUR IN ITE LAYCUT SATELLITE

'CHROMIUM DIBORIDE OBLIGATORIALE FERMI ACCELERATIC CF ELECTRONS IN T FERMI GAS AT ZERO TEMPERATURE•SOUND FERMI GASAN 1962 • OF A PERICDIC PO FERMI MODES OF THE ATOM AUG 1960 • C FERMI MODES OF THE ATOM, AUGUST FERMI SURFACE FOR AN INTERACTING ELE FERMI SURFACE CF AGNESIUM FERMI SURFACES PROCEEDINGS OF AN INT FERMI•YANG THEORY OF THE PION JUN 19 FERMIONS OF THE ATCM, FEBRUARY FERMION DENSITY PATRICES AUGUST 1962 FERMION DENSITY PATRICES I JUNE 1962 FERMION INTERACTION AND THE INTERMED FERMION INTERACTION DEC 59•AI I-2 • FERMION MOMENTUM•SPACE DISTRIBUTICNN FERMION SYSTEPAY 1961 LINEAR RESP FERMIONS I JLN 1962 OCSCN•LI FERMIONS• FUNCTION METHOD ANDUPERCON FERRARO PROBLEM IN TWO•DIMENSIONS, FERROELECTRIC LI)3)SIC03)•2 T FERRET ANDCP APPLICATION, MARCH 23, FERRIES NCV 1959 NATURAL AND PART II • FERRIMAGNETIC MATERIALS, JUNE 15, FERRIMAGNETIC MATERIALS,SEPTEMBER FERRIMAGNETIC OXIDES JAN 59•RESEARCH FERRIMAGNETIC OXIDES JULY959 FERRIMAGNETIC OXIDES JUNE 15 59 MAG FERRIMAGNETIC OXIDES,ERIOC COVERING FERRIMAGNETIC RELAXATION MEASUREMENT FERRIMAGNETIC RESCHANCE EFFECTS AND FERRIMAGNETIC RESCNANCE IN POLYCRYST FERRIMAGNETIC RESONANCE OF IRCN•ORID FERRIMAGNETIC RESONANCE PROPERTIES,U FERRIMAGNETIC RSCHANCE OCT 1959 FERRITE SELF DIFF FERRITE • HEAT CAPACITY ANC THERMOD FERRITE AWAY FROM THE SIDEWALLS, FERRITE CYLINDER AT NORMALINCIDENCE FERRITE DEVICES, FINAL REPCRTSEPTEMBE FERRITE ELLIPSOIDS, OTO FEB 1962 FERRITE JUNE 1959 • FILLED WIT FERRITE MICROPCNDERS NCV 1959 MAGN FERRITE MODES JAN 1960 FERRITE PHASE SHIFTER FCR THE UHF RE FERRITE REGICN CF THE SYSTEP FE•CC•O FERRITE SAMPLES APR 1960 FERRITE, JANUARY 2, 1961. • LO FERRITE, MAY 19, 1961.•WAVES IN GUID FERRITES 1962 FERRITES ANC GARNETS APR 19•INITIAL FERRITES ANC GARNETS,OVERDER 30, FERRITES BY MICROWAVEEASUREMENTS FERRITES II EFFECT CF THERMAL HISTOR FERRITES IN UNSTABLE EQUILIBRIUP FERRITES JAN 1959•OF REACTIONS INVOL FERRITES• III EFFECT OF COPPER DUBST FERRITES, FEBRUARY 1962. FERROMAGNETIC RESONANCE ABSORPTION• IRO FERRO•AND ANTIFERROPAG THEORY OF T FERRO•ANC ANTIFERROCPAG THEORY OF SP FERRO•AND ANTIFERROCPAGNETISP THESIS9 FERROCENYLACETYLENEI •HALOFERRO FERROELECTRIC LI)3)SIC03 FERROELECTRIC AND FERRIMAGNETICATERI FERROELECTRIC EFFECT IN ROCHELLE SAL FERROELECTRIC FILMS APR 1960 FERROELECTRIC MATERIALS, MAY 1, 1961 FERROELECTRIC MEMORY CELLS APR 1960 FERROELECTRIC PHASE SHIFTER RESEARCH FERROELECTRIC PHASES OF APPCNIUMLPA FERROELECTRIC PHASEUOP IGLYCINE' 3, FERROELECTRIC TRANSITION IN RUBIDIUM FERROELECTRIC WITH LOWDERCIVE FIELD FERROELECTRIC,•INVESTIGATION OF THE FERROELECTRICITY IN AMMONIUM MONOCHL FERROELECTRICITY IN GLYCINE SILVER N FERROELECTRICITY IN LITHIUM HYDRAZIN FERROELECTRICITY IN THE LANGBEINITE FERROELECTRICSUME 1960 • OF THE FERROELECTRICSYSTERESIS BRIDGE FCR FERROELECTRICITY IN THE ALUMS FERROMAGNET FINAL REPORT OCT 1959 FERROMAGNETIC ALLOY JUN 1960 FERROMAGNETIC ANISOTROPY IN CUBIC CR FERROMAGNETIC CRYSTALS • SPONTANEO FERROMAGNETIC ELLIPSOIDS OF FERROMAGNETIC FILMSAY 1960 FERROMAGNETIC FILMSAY 1960 • AND FERROMAGNETIC INSULATORSULY 1962. FERROMAGNETIC MATERIALS,ULY 1962. FERROMAGNETIC OXIDES JAN 0 60 PAG FERROMAGNETIC POWDERS AUG 1961•THE A FERROMAGNETIC RESONANCE RELAXATIONEB FERROMAGNETIC RESONANCES IN THIN FIL FERROMAGNETIC SYSTEPS AT MICHIGANAL FERROMAGNETIC TRANSITIONSN ORGANIC FERROMAGNETICS FINAL REPORT JUN 1961 FERROMAGNETICS WITH APPLICATIONS TO FERROMAGNETICS, PERIOD COVERING MARC FERROMAGNETISP JUL 1961•THEORY OF SP FERROMAGNETS EXCHANGE FERROMAGNETSAY 1960 • TECHNIQU FERROUSSULPHIDE OCT 1950 • STUDY FERROUSSULPHIDE MAR 1960 FERRY OPERATION WITH ELLIPTIC SATELL FERRY OPERATION, OCTOBER 1960

GENERALIZED SCHWINGER• INTERFERENCES APCNG 60 CN THE EVALUATICN CF •CLECMORPHIC FACILITIES CF ON THE •OPCLCGY CF ALGEBRAIC MECHANISP CF 96C AUG 1961 CF SCARICA CELLAINGCLA E FIELDS CF OPTIC NERVE ANC A SILICON•OXYGEN•ION E COMPINANCE IN AN EMPTY AL PCTICN IN A PAGNETIC ANYI ACCLSTIC STREAMING E CF A UNIPCAP MAGNETIC ANC ASSCCIATEC ACCLSTIC A IN A UNIPCAP MAGNETIC SE CF A STATIC MAGNETIC CF A COLCPEC PLICHEATING DEALING WITH THE WISLAL PRESENCE CF A PAGNETIC GAS WITHELICNEC PAGNETIC INEC IN ATACNG PAGNETIC GH ICNS ACPOSS PAGNETIC N ACNGITLCINAL PAGNETIC Y ELECTRONS IN ABCNETIC E CF A UNIPCAP PAGNETIC CLES IN AANCCP MAGNETIC Y ELECTRONS IN PAGNETIC THERESENCE OF PAGNETIC OTHERWISE SLOSCAIF PLCN ARGE IN ANBIAL PA NETIC CF THE ASSCCIATEC SCLNO AN EQLATION FOR THE FIELD TICN THEORY,EPTEMPEE•FAR ANTENNAS ALSO 59 NEAR BETWEEN A PAGNETIC THE ATTENDANT PAGNETIC REPORT CLANTLM CF LAKE, SHELP ANCLACI• C BY APPLIEC ELECTRICAL CN THE GRAVITY CINT PLCN WITH AGNETIC UCINAL APPLIEC PAGNETIC CF TPELECTROPAGNETIC TICN OF THE GRAVITATION TEMPERATURE H•LCADECCA•THE ELECTRIC CRYSTALS PAGNETIC CLECTRONS IN A PAGNETIC CRP TRANSVERSE PAGNETIC IN THE EARTH•S PAGNETIC IN THE EARTH•S PAGNETIC OF A NEAR PAGNETIC STIM•ACTIVATICA CF THE PISSURAL PCTENTIALF THE ATCMIC SELP•CCNSISTENT STAL AT THELRFAC•STRESS ENING CRYSTALN • STRESS CF GECPAGNETIC INC LCN• INC. NOV 1961 LCN THE FERPI SURFACEP •LCN INEC IN A STRONGAGNETIC VISLAL PEANS DFFPERI•INCREASED BY DEPRIVATICN.PE OCCY• TRIC AND FERRITECACEE • 961 SCLNO II. CN THE PAGNETIC IN THE GEOPAGNETIC TEC JAN 1962 ELECTRIC . 1962. INSULATEC GATE IC RESONANCEYPER•CIRECT ISOTCPE ANC CRYSTAL• CF CYRAPIC CRCSSEC• CYRAPIC CRCSSEC• TH NEW TYPES CF CROSSED LSING THE THE RESOLTICN CF SCLIC SLRFACES BY RYSTAL NUCLEATICNINAL • LLCYS ANC STUDIES CFIE• ACESINAL REPORT CFC • PERTS OFIEP•PROGRESS IN ALLOY SLRFACE WITH THE SELP•CCUPLEC PESCN CAS ANC THERAVITATICNAL Y. SCLLTICA CF THE VARYINGCENCENTRATICN O EINSTEINS EPTTY SPACE CF FIBLE STRENGTH FCR CRYSTAL •ABITRDELCEC BY PRCXIMATECLLY•PULLIPCLE OF PTZ STRONG PAGNETIC T A TRANSVERSE PAGNETIC •OPCPAGENCE•THE SHY•WAVE SELP•CCNSISTENT NEAR PLASMA ACCELERATICA IN A NEW TYPE OF CRCSSEC• TYPE ACIARATIC CACSSEC• ITS CCNPINGTPAGNETIC CF THE PAGNETIC ON THE GRAVITATIONAL PLASTIC STREE INITIAL STAGEOPLA•STRESS THEPPER LEVEL WIND THE GEOPAGNETIC OF THE ELECTROPAGNETIC CF THE FLOW ANC PASS LS EXHIBITINGECHANICAL• YSTALS ELECTRIC RESOLLTION ELECTRIC ICO ANDCNIZATION IN THE PIBLE ICNIZATION AND CIATION CCPAGE WITH THE

PEYPAN THEORY • GNCLPS. III. PEYPANN GRAPHS CF DIFFERENT TCPOLOGY PEYPANN PATH INTEGRALS, SEPTEMBER 19 PIBER BUNDLES OVER THEIEPANNIAN PIBER SPACES 1962 PIBER SPACES, FINAL REPORT JUN 6•THE PIBERINGS OF ENVELOPING SPACES OCT 1 PIBERINGS OF ENVELOPING SPACES, II. PIBRA DEL SISTEPA PLSCOLAPE CELL PIBROUS SILICAS SILICON SESQUIOXIDEE EY CN LONGITUCIN • NEAR A PLANE BOUND • OCCY IN THE PRESENC • THE SONIC GENERATCR A RADIC WAVE IN A PLASP • SPLITTING CFQUCNCIN BY U CN THE PLSICN CCNDITICNS AN ASSCCIATIVE PACHINE FOR • IN A CYLINDRICALCUBE IN THE • OF A PERFECTLY CONDUCTING • IN A FULLY IONIZED GAS CCNF • OF ELECTRCNS DRIFTING THROU • OF PLASMA SHOCK STRUCTURE I AUG 1959 • OF RACIATION B JAN 1961SUP JUL1961•THERESENC JUL 1960 • OF CHARGEC PARTI RELATIVISTIC EFFECTS AUG 1959 • NEAR THE STAGNATION POINT IN • DUPERSONIC ENCLOSURES IN AN • PARTICLES IN A PINCHEC DISCH • SEP 1961• SLBSCNIC STREAM AN APPLIETLDES IN GEOPETRICAL OPTIC APPLITLDES ANC INVERSE DIFFRAC ANALYSIS OF CIRCULAR APERTURE AND AN ELECTRICALLRCDUCED AND COSPIC•RAYPFECTS, 10 SEP AND ELEPENTARY PARTICLES FINAL AND LABCRATORY INVESTIGATIONS AND LOAC, • PLASTICS ASFFECTE AND SHAPE OF THE EARTHEC 59 APR 1959 • STAGNATION P APR 1960 • II. WITH LONGIT 97 DISTANCES FROM LIGHTNINGISC AT HIGH ELEVATIONSCTGBER 1960. AT HIGH LATITLDES, 1000 DATA, AT THE GROUND PLANE NEAR A CIS AT THE NUCLEUS IN SPINEL•TYPE AUG 1959 • BY RELATIVISTI AUG 1960 • GASN A UNIF AUG 59 TRAPPED RADIATION AUG 59 TRAPPED RADIATION BY THELCW CF CONDUCTING FLUID CAL OF THE HIPPOCAMPUS BYEPTAL CAL PF THE HIPPOCAMPUS•THE CCN CALCULATICNS BY THE EXPANSICNE CAUSED BY A UNIFORMLY SLID CRY CAUSED BY SLIPS IN A HCRK•HARD DATA ANC ELECTRIC FIELDHENOMEN DE HAAS•VAN ALPHEN EFFECT IN Z DE HAAS•VAN ALPHEN EFFECT IN Z DE HASS•VAN ALPHEN STLDIES CF DEC 1959 • IONIZED GAS CONF DEFECTS IN PCNFEYS DEPTH IN TRACH PHCTOGRAPHY BY DIMENSICN PARI960 • IN SENSO DISPLACEPENT EFFECTS IN DIELEC DISTRIBLTION ABOUT A JET DEC 1 DISTRIBLTION AND CNAE FORMER•P DURING DISTURBANCESANLARY 15, EFFECT CN SOUND DISPERSION, DA EFFECT SILICON TRIODES, JUNE 1 EFFECTS IN ELECTRON PARAMAGNET EFFECTS IN THE VIBRATICNALPECT ELECGRCN PULTIPLICATION•961 ELECTRON PULTIPLICATION ELECTRONANS, PEBRLARY 1962.•WI EPISSICN PICRESCOPE.•ITANIUP EPISSICN PICRESCOPES EPISSICN PICRESCOPND PASS EPISSICN PICRESCOPY CF PETAL C EPISSICN PICRESCOPY CF RE•NC A EPISSICN STLDIES OF PETAL SURF EPISSICN WORK•FUNCTICN PEASURE EPISSICNSCRACSCOPE • OF AN EQUATICNS FOR SINGLE PROPAGATO EQUATICNS JUN 1962 • CONDITI EQUATICNS OF GENERAL RELATIVIT EQUATICNS OF TWO SUBSTANCES EQUATICNS6 OCTOBER 1960 • T EVAPORATION ANDONIZATION IN EVAPORATION CF METAL CRYSTALS EXPANSICNS ANC THEIR LSE IN AP FEB 1960 • GAS IN THE PRESENCE FINAL REPORT 1962 • WITHOU FROP A VERTICAL DIPOLE OVER AN FUNCTICN CR ATOMSONEST CONFIGR GAIN AUG 59 GRADIENT A RACIO•FREQUENCY GUN,UGUST 1960. • WITH GUN,UNE 1962. • WITH A NEW II, DECEPBER 1962. • PLASMANG IN ALASPA, PART II. ON THE IN GENERALELATIVITY THEORY IR IN METALS AT INITIAL STAGE CF IN POLYCRYSTALLINE METALS AT I IN REGICNS OF SPARSE CONNELIAB IN THE AURORAL ZONE 1959 IN THE IMAGE REGIONOF AN APLANA IN THELESE VICINITY OF THE INDUCED EPISSION IN CDS CRYSTA INDUCED EPISSION IN YAP CDS CR INDUCED INFRARED ABSCAPTIONPEC ION MICROSCOPE• FIELD EVAPORAT ION MICROSCOPY IONICROSCOPE•CBSERVATION OF RA

APOSR TN 59-833
AFCRL-62-909
AFCRC-TN-59-197
APOSR TN 59-981
AFOSR 4200
APOSR TN 59-464
APOSR TN 59-420
APOSR TN 59-1126
APOSR 3962
APOSR 4072
APOSR TN 59-1278
APOSR TN 60-395
APOSR 2390
AFCRC-TN-60-464
AFCRL-TN-60-606
APOSR 1008
APOSR 3120
APOSR 3413
APOSR 395
APOSR TN 60-962
AFCRL-TN-61-204
ARL 62-470
ARL 62-440
APOSR TN 59-46
APOSR TN 60-12
APOSR 1696
APOSR 1163
APOSR 2564
APOSR 245
AFCAL-TN-60-601
AFOSR TN 60-146
AFCRL-151
APOSR TN 59-1128
AFCRL-59111
AFCRL-934
AFCRC-TN-59-123
AFCRC-TN-59-360
AFCRC-TN-59-395
AFCRC-TR-60-147
APOSR 2121
AFCRL-TN-60-784
APOSR TN 59-1186
APOSR 1610
AFCRL-101
APOSR TN 59-1185
AFOSR 3579
APOSR 3975
AFCRL-138
AFCRC-TN-60-380
AFCRL-779
APOSR 2121
AFCRC-TN-59-705
WADC TR 59-709
APOSR 5265
APOSR TN 60-135
AFCRC-TN-60-138
AFCRL-360
AFCRC-TN-60-303
AFCRL-737
AFCRL-62-139
APOSR 2695
AFCRC-TN-59-169
AFCRL-62-954
APOSR TN 60-1331
APOSR 3976
APOSR TN 59-1184
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PICTED ICEEP • RADICAL PORMATION AND TRAPPING IN TRITIUMICN AFOSR 1481
HEATS CFOMOLSTICA, PORMATION AND VAPORIZATION AND VAPOR AFOSR 2104
EFFECTS CN FREE RADICAL PORMATION ANDELECTRCN MIGRATION IN AFOSR TN 60-1250
P ACETYLENE JAN 59 THE PORMATION BENZENE IN THE PYROLYSIS O AFOSR TN 58-73
UBIN ZINC COPPLER SALT PORMATION BY PILTRUPIN AND PESCBILIN AFOSR 2911
ISCCNTINLITY CP APICASE PORMATION BY PSEUDCPONASERUGINOSA D AFOSR 4366
PLASPA SHEATH PORMATION BY OF FIELDS APR 1961 AFOSR 673
PLASPA SHEATH PORMATION BY OF FIELDS JUL 1962 AFOSR 2998
SEPICCNDUCTOR FILP PORMATION BY VACLUPCEVAPORATICN OF ARL 8006
ACTICN • HYPERPAGPENT PORMATION FRCP THE B DEUTERCA INTER AFOSR TN 59-1072
STUDIES CP GP I ZCNE PORMATION IN AL+2 AT PER CENTL JUN AFOSR TN 59-909
PECHANISP PCR EFFECT PORMATION IN ALKALI HALIDESCV 1959 AFOSR TN 59-1255
CENCENTS PART 2 PCLECLLE PORMATION IN INERT CASES• BEHIND SHO AFOSR TN 59-822
CONDUCTICA AND F•CENTER PORMATION IN ICNICCLIDS FINAL REPORT AFCSR 122
AC•TIN ALLCYS CRATER PORMATION IN PETALLIC TARGETS B . LE AFOSR TN 59-109
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CP THE GRCWTH AND PORMATION IN PCLECLLAR CRYSTALS AFOSR 4261
CP THE GRCWTH AND PORMATION IN PCLECLLAR CRYSTALSII AFOSR 4260
CPPATICNS•CPTICAL IPACE PORMATION IN TERPS CF ENTROPY TRANSF AFOSR TN 60-69
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STLCY CF CARBCN PORMATION IN THEPYCLYSIS OF HYDROCAR AFOSR 3972
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SE ALTITLEE CF CENTRALL PORMATION JAN 2C 6C • OCCLRENCEND BA AFCRC TN-60-211
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ANC TPE PORMATION OF AGENCSINE TRIPHOSPHATE AFOSR 1182
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RCLP TRANSITICNS•CN TPE PORMATION OF C60 PHASES BETWEEN IV G AFOSR 2664
AG ATCPIC PEAPE•PART I• PORMATION OF FREE RADICAL SCLIDS USI AFOSR TN 59-364
EFFECTS CN TPE PORMATION OF FREEACICALS IN TPE AFOSR 1023
CPANGES CLE TC PORMATION OF G. P. ZCNES ICLUSTEICH AFOSR 952
PROP C•CCPPCLACST 2 PORMATION OF GLYCERATE FROP OXALATE AFOSR TN 59-1137
PHERE,CVEPBER 1961. TPE PORMATION OF IONS IN THE UPPER ATPOS AFCRL-851
ICPPODACENE PORMATION OF ISLCCTRATASE BY THE ATP AFOSR 324
ENE PONCPERS BY • TPE PORMATION OF LINEAR POLYPERS FROM DI AFOSR TN 59-810
ENE PCNCPERS BY • TPE PORMATION OF LINEAR POLYPERS FROP DI AFOSR TN 59-431
ENE PONOPERS BY • TPE PORMATION OF LINEAR POLYPERS FROP DI AFOSR TN 58-479
DATA ANC CN THE TRANS• PORMATION OF PEASUPPENTSDATA TO ARL-TN 60-110
ANE SUBSTRLCTLRE PORMATION OF PETALS ANCPROPERTIES OF AFOSR TR 60-81
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CSRIETHYL ALUP•PEATS CF PORMATION OF CRGANC•PETALLIC COPPCUN AFOSR 2087
CSAE •CEC 1960 •PEATS CF PORMATION OF CRGANC•PETALLIC COPPCUN AFOSR 320
AFTER ACPINISTRATICAP• PORMATION OF PHENOLIC ACIES IN BRAIN AFOSR 4331
APPICAL RESEARCH CN THE PORMATION OF PHAGCPLAST•ALTORACIECR AFOSR 2512
AZYPE•PPELIPINARY NCTES PORMATION OF PYRUVATE AND ACETYL•CDE AFOSR 4348
VII. PEATS CF PORMATION OF PHENYLP TRICHLCRIDENC AFOSR TN 59-960
THE PEAT CF PORMATION OF SILICA AFOSR 1701
CSPHERE NCV 1 59 TPE PORMATION OF THE D REGION CF THE ION AFCRC-TN-60-213
THE PEAT CF PORMATION OF THE HYDRACPRITE ICN AFOSR 577
THE PEAT CF PORMATION OF THE HYPOCHLORITE ION AFOSR TN 59-1042
A CC GLC• PCDEL CF TPE PORMATION OF THE PAGNETIC PISTON AFCSR 319
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PCPERTIES ANC CCPPLER PORMATICN OFLLCRACINATED COPPCUNDS, WADC-TR-59-110
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PERCCIVEE IN IMPRESSICA PORMATICN SEP 1959 • ANDMCSE CF THE AFOSR TN 59-187
CP BRAINSTEP RETICLLAR PORMATICN TC ANIPAL BEPAVICRPORT AFOSR TN 60-450
CF BRAIN STEP RETICLLAR PORMATION TCNIPAL BEPAVIOR FINAL AFOSR 4171
THERAIN STEP RETICLLAR PORMATICN• ELECTRICAL STIPULATION OF AFOSR 3449
ETIC ACTIVITYLRINC STAR PORMATICN•THECRY CF THE ROLE CP MAGN AFOSR TN 60-214
TAGES CFICPCNAVE PLASPA PORMATION, PARCH 1962. • EARLY S APCRL-62-595
PIEPBER 1961. WAVE PORMATIONS ICFNCCTILUCENT CLOLDS, SE APCRL-867
CF FREE RADICALS PORMEDY IONIZING RADIATIONS IN CERTA AFOSR TN 60-1249
ECTRUP ANC STRLCTLRE CP PORMIC ACID PICROBAZE SP AFOSR 3867
LPER INCLLSICNCPPCLAC PORMING ABILITY CF A MOLECULE A WADC-TN-59-407
RCPATORS ALCLST961 CIE PORMING DOUBLE FOCUSING •RAY MONOCH ARL 169
CN THE PCSSIBILITY CP PORMING PSEUDC SILICIONES SEP 1962 AFOSR 2647
CASTING PACCESS FCR TPE PORMING• CERPETS • OF THE SLIP ARL 2041
CS •THE EXPER•PALSICCRPF PORMULA AND A PRCALER INRYSTAL PHYSI AFOSR 2248
N AARABOLIC•AN EXPLICIT PORMULA FOR AN LARANCHN COEFFICIENT I AFOSR 1154
CN THE BETPE•EXPLLER PORMULA FOR BRPSSTRAHLUNG 1962 ARL 62-678
A CCNSTRLCTIVE PORMULA FOR CCPPUNALITIES FEB 1960 AFOSR TN 60-1006
BER 1962. APPROXIPATICN PORMULA FOR PCRBARE SCATTERING,EPTEM AFCRL-62-1027
CP AIPPLE •THE CPTIPLP PORMULA FCR THE GAIN OF A FLCW GRAPH AFOSR TN 59-851
CCRRECTICAS TC GRAVITY PORMULA FROP DIRECT OBSERVATIONS AFCRL-62-610
A NEW CRCCPPCSITI•N PORMULA IN THE THEORY CPLASTICITY AFOSR TN 60-1129

LE DERIVATION OF COATES CF ASYMPTOTIC ORDER OF THE STORES DRAG INALS AND THE REPAIRMEN ALS OPTOCHASTO-INVERSION SOME NEW CONTINUATION ECTRAL LINES EPITTEDDO+ ANSIONS,+STEP1+DOPPICAL L PATERIAL SAMPINGP A + APPROXIMATION NERAL THEORY OF DCOLEAN ETRICOTENTI+CCMPOSITION THE THEORY OF DCOLEAN TS AND PLETIPLE BLNDETH CF RAYLEIGH DIFFRACTION AG NETOCORS AND DCOLEAN NERAL THEORY OF DCOLEAN NNAE. PT. I. ANALYTICAL FINITE DIFFERENCE PUTLALBDAETATE+ANALYTIC TE-AS. CONCEPTUAL IN ALAT PLATE LCGUES CF THEIRI+CN TIE AYER1+FINITE DIFFERENCE OLARIZATI+CN THE PATRIA OF CIACS CANONICAL FINITE DIFFERENCE ECTRUM AND STRLCTLRE CF PRARRC CETECTICN CF THE CF N+PHENYL+N+ GLAR RADIC ASTRONAUTI AS A DESIGN CRITERION OBSERVATIONS AT SMIC RAY DATA CORRECTED THE + A COMPARISON CF CANCNSC+INTERPRETAZIONE LAYER CALCULATIONS NCV 1960 ON THE THEORETICAL C LAYEESTING ON A RIDID DCOLEAN PCRPULAS,LLY + DCOLEAN PCRPULAS II,AP+ FORMALIZATICN CF THE T+PORTS, + THE ANALYTIC APRO+PEASLRE+THECRETIC AL SYSTEMS CONFINITELY+ CN AUG + THERMCSYNAPIC PATRICES AND THE SCRE RELATIONS BETWEEN F PATTERNS, SEPTEMBERS+ SCHEMES FCR EVALLTING AVERAGES CF ACPALIE+APPLICATIONS CF Y PROBLEMS NCV 1955 APPLICATION CF ECLBLE CF SCHEMATIC NLMERICAL APPLICATICN CF THE 1961 FINAL REPCRT SINGULARCIAT+THE LSE CF VERSION IN E N ARC TWC CERTAIN CPERATORS AND BCLNDARY PRCBLEMS FCR A ANE THE CCALJGATE PULTIPLE PULTIPLE A RECOGNITION, JULY562+ OF THE CCEFFICIENTS IN ES IN NCRTH ATLANTIC IN CNING STLCYCN ALCPENTRC ELECTRICALLY TC A REC MTECATTERING IN THE CDER 22, 1562.CAPIC+IL' + EDISTENCE CNLA ISTILLATICA,EP 1561. NTAINING6T+Y+GAS+LIGLIC S CCT 1960 TENSILE CEFORMATION AND ESIUMLI+CEFORMATION AND ON THE ELCTILITY AND CN THE ELCTILITY AND PETALAVIPCMENT CN TH CONFERENCE CN TH ATCM+ THE ATOPIFC+ANISPS CF CN AT GALCIT CONCERNING PINERAL PHASEN PEALING AACIE IONIZATION, ANC ICN HEAVY CCIPIC+MAYRIP+THE S NCV 590!TRAC+CHEPICAL PCLECLLAR PART THC.+EROGEN+CXYGEN 1+15 LL GROUPES+A CONCEPTUAL +HIGH VELCCITYPENETRATI+ EARNING A SYPPESILPARIS CF AN INTERNAT SYPP SAN BANC SYSTEPS!II.+ BANC SYSTEPSIX CTURES OF THE AN EXPERIPENTAL TEST CF NTHETIC ZECLITE+++ENERGY CCPPLED CCDES CF STRONG SEP 1955 IN CIPPRACTICAN+CN SCME NUMERICAL SCLLTICA CF TEPS WITH PAY DEGREES CF OF TUREY+S ONE DEGREEF INITELY PANY DEGREES CF COLEP AN PYPCTHESIS CF CZZLE+SIPLIFIED SLCCEN ICE PHASEART III THE CCNTROLLED ATCMIC KINETICS OF THE APR 1958. P ALPERIA, + ISCRETE LATTICEPA + THE A SCLLTICA TC THE VING MESLECATION IN THE NLMBER NING TRANELSING FORMULA+GAIN OF A FLOW GRAPH CR ALMP FORMULAE TO THE STUCY OF SINGULARGUN FORMULAGE AXIALLY SYMMETRIC BODIES FORMULAGE OVERLAP INTEGRALS AUG 1 59 FORMULAR FOR CHARACTERISTIC FUNCTION FORMULAS AND VARIGUSNESSWEDERS IN FORMULAS FOR ESTIPATING WIDTHS OF SP FORMULAS FOR PISSELE EXHAUST TRAILNP FORMULAS FOR THE DETERMINATION OF TH FORMULAS FORESSL+BAND HANKEL FUNCTIO FORMULAS II,ABCH 1961. + FOR A GE FORMULAS IN GENERALIZED AXIALLY SYMM FORMULAS MINIPALNCLLDING SUPS, I FORMULAS NCV 5+TRIPLE TORSION PRODUC FORMULAS WITHTRCHNOFF BOUNDARY CONDI FORMULAS,ABCH 1961.+ BETWEEN SWITCHI FORMULAS,ULY 1960. + FOR A GE FORMULATION DEC 1959+OPCME SLOT ANTE FORMULATION EPPLCYIAGROCCC VARIABLES FORMULATION FCR RADIATING PINS WITH FORMULATION OF A GENERALIZECHREAT FORMULATION OF APPROXIMATE PROBLEPS FORMULATION OF FINITE DIFFERENCE ANA FORMULATION OF THE BINARY BCUNDARY L FORMULATION OF THE THEORY OF PARTIAL FORPULATION OF GENERAL RELATIVITY FORMULATION OF SPACECOORDINATES APPLI FORPYL FLUORICE PILLIPETCR WAVE SP FORPYL RADICAL MCC NCV 1959 THE IN PORPYL+N+PHETHYL++PIPERIDINE 1762 FORTAN AND SYPBOLIC PROGRAPPING CN FORTICPATOLOGICA DEI MECCANISMI DEL S FOTICA NELLA CONTECCICCIPITALE E FOTRONG PAYCRABLE STEAMRISE PRESSLRE FOUNDATION OF LINEAR VISCCELASSTICITY FOUNDATION OF THE CAR+ELECTROMPPRCNT FOUNDATION SEP 1959 + FCR THE PLASTI FOUNDATIONS FOR A GENERAL THEORY CF FOUNDATIONS FOR A GENERAL THEORY OF FOUNDATIONS OF GEOMETRY WITHINNE FOUNDATIONS OF LINEAR, TIME+INVARIAN FOUNDATIONS OF PHONEPIC THEORY FOUNDATIONS OF STATISTICAL MECHANICS FOUNDATIONS OF THE THEORY OF CYNAPIC FOUNDATIONS OF THEMEORY OF CEFORMATI FOURIER AND HANKELRANSFORPS SEP 1961 FOURIER COEFFICIENTS FOR TCMPRVSCPEP FOURIER COEFFICIENTS OFERICEIC FUNCT FOURIER COEFFICIENTS 1959 FOURIER SERIES FOR COMPUTING GRAVITY FOURIER SERIES FOR TWO+DCIAT BOUNCAR FOURIER SERIES TC CCMPUTING GRAVITYN FOURIER SYNTHESIS CFERICCIC POLYGONA FOURIER TRANSFORM IN THE STUDY OF FOURIER TRANSFORMS CAMBRIDGE U PRESS FOURIER TRANSFORMS FCR THE STUDY CF FOURIER TRANSFORMS JUL 1960+FCUNIFORM FOURIER TRANSFORMS CN L2 MAR 1959 FOURIER TYPED APRIL 1959 FOURIER+STIELTJES INTEGRAL IN THE PL FOURIER+STIELTJES SERIES FEB 1960 FOURIER+TRANSFORM METHODS FCR PATTER FOURIERIES WITH GAPS SUN 1959 FOURIERIES, APRIL 1962. + ANCMALI FOURWHEELS SYSTEP, CCTCBER 31, 1961. FOURWIRETRANSPISSION LINE TC ACHIEVE FOWARD AREA FEB 6C + IN THE INFRA FOWARC SCATTER RESULTS IPIRPLY+ CCT FOYER DE PRCJECTICNENSORIELLE ACOUST FRACTICNATION TECHNIQUE FOR VACUUP D FRACTOPETRIC ANALYSIS CF PIRTLRES CO FRACTURE ARREST BY RIVETED STIFFNER FRACTURE OF BRAZEDCINTS SEPT 1961 FRACTURE OF CADPIUP AND CADPIUP+MAGN FRACTURE OFECRYSTALLIZEC CHROPIUP FRACTURE OFECRYSTALLIZED CHROPIUP FRACTURE STRENGTH OS SCLICETALS JLL FRACTURE, PREC. ON AN INTERNATIONAL FRACTURES + INVESTIGATICAS OF THE FRAGE DER HERKUNFT DES NATLOLICHEN FRAGMENTATICA CACSSECTIONS CF HYDROC FRAGMENTATICA PROBABILITIES OF FAST FRAGMENTS AS ULTRA+ENERGY PROPELLANT FRAGMENTS IN SHOCK WAVES ALC 1960 FRAPES 4+15 PL, APPENDIA+OXYGEN 1+15 FRAPEWORK FCR THE INTEGRATICN OF SMA FRAPING CAMERA CBSERVATIONS OF ULTRA FRANCE PHASA PECHANISPS ANC L FRANCISCC APR 1961 + ATMCSPHERICC FRANCK+CONDCN FACTCRS TC HIGH VIBRAT FRANCK+CONDCN FACTCRS TC HIGH VIBRAT FRANCK+CONDCN PRINCIPLE ANC THE STRU FRANKELS LAW CF FILM THICKNESS FRANSFER EFFECTS JUNE 1960 + IN A SY FRAUNHCFER LINES, APRIL 1962. THE FREC RADICAL FUELS + A TOUGH PROBLEM FREDHOLP INTEGRAL EQUATIONS ARISING FREDHOLP INTEGRAL EQUATIONS OFNE FREEDOP AUG 1961+ HIGHLY CCUPLED SYS FREEDOP FOR NCN+ADDITIVITY, MARCH FREEDOP II+OP DYNAMICAL SYSTEPS OFNP FREESE AND THE CNA+PROTEIN CODING PR FREEZING ANALYSIS FCR NONEQUILIBRIUM FREEZING OF SUPERCCCLEC WATER DROPS FREEZING OF WATER JAN 1962 FREEZING PACCESSART I. THECRY+ OF THE FREGORVIEV PERGAMCN PRESS NY 1959 FRENKEL+KONTCRCVA DISLOCATION IN A D FRENKEL+KONTCRCVA DISLOCATION MCDEL FRENKEL+KONTCRCVA MCDEL JUN 1960+A MO FREON 14 AS THE WORKING FLUID OFC APOSR TN 59-851 ARL-TR 60-329 APOSR 927 AFCRC-TN-59-621 APOSR TN 57-603 APOSR TN 60-723 APOSR TN 60-770 AFCRL-62-843 APOSR 2?0? APOSR 2595 AFCRL-154 APOSR 4225 AFCRL-128 APOSR TN 60-45 APOSR 1180 AFCRL-153 AFCRL-TN-60-970 AFCRC-TN-59-993 APOSR TN 60-846 ARL-TN 60-160 AFCRL-159 ARL 62-359 APOSR 1404 APOSR 4091 AFCRL-362 ARL 112 APOSR 4097 APOSR TN 59-865 APOSR TN 59-1197 APOSR 1200 AFCRC-TN-60-429 APOSR TN 59-1075 AFCRC-TN-60-223 AFCRL-62-651 ARL-179 APOSR 367 APOSR TN 59-464 ARL-TN 60-149 APOSR TN 60-1367 ARL 62-459 APOSR TN 59-1291 AFCRL-TN-60-970 AFCRL-154 AFCRL-704 AFCRL-62-399 APOSR TN 60-1203 APOSR TN 59-307 APOSR 3668 APOSR TN 59-871 APOSR 4210 APOSR 2450 AFCRL-62-726 AFCRC-TR-59-154 APOSR TN 59-667 AFCRC-TN-59-623 APOSR TN 59-744 AFCRC-TN-59-624 AFCRC-TR-59-371 APOSR 4264 APOSR 609 APOSR TN 59-21 APOSR TN 60-870 APOSR TN 58-100 WADC TN 59-288 APOSR TN 58-935 APOSR TN 60-213 AFCRL-62-512 APOSR TR 59-115 AFCRL-62-637 AFCRL-309 AFCRC-TN-60-127 AFCRC-TN-60-285 AFCRL-62-1072 APOSR 359 ARL-201 APOSR TN 59-398 APOSR TR 60-174 APOSR 2202 APOSR 593 ARL 120 ARL 2015 APOSR TR 60-116 APOSR TR 59-219 APOSR TR 59-219 ARL 1 APOSR TN 59-989 APOSR TN 59-66 AFCRL-TN-60-879 APOSR 413 APOSR TN 59-1249 APOSR TR 60-110 AFCRL-6401111' APOSR TN 59-252 APOSR TN 60-851 APOSR 1191 APOSR 2047 APOSR 674 APOSR 675 APOSR 1313 APOSR TN 60-1090 WADD TN 60-28 AFCRL-62-438 APOSR TN 59-821 APOSR TN 59-944 AFCRL-TN-60-811 APOSR 1317 ARL-62-319 APOSR 1668 APOSR 976 ARL 130 AFCRC-TN-59-448 APOSR 2359 APOSR 2394 APOSR TR 59-96 APOSR 647 APOSR 953 APOSR TN 60-5?1 APOSR 1815 EFFECTS CN THE PEASLORD FREQUENCE OCCLRRENCE OF DUCTING FREQUENCIES FREQUENCIES HIGH P AGNETIC FIELES AND +IGH FREQUENCIES ANDLECTRCN COLLISICN FREQUENCIES IN NITROGEN AND OXYGEN,P ANDLECTRCN COLLISICN FREQUENCIES IN NITROGEN AUG 7 59 ANDLECTRCN COLLISICN FREQUENCIES IN NITROGEN, APRIL 90, EIR FAR INFRARRE SIGGN+ FREQUENCIES NCV 17 59+THE REGION CFH RICTIONS CN THE NATURAL FREQUENCIES OF ABC+OL NETWORK REST + ANC VIBRATICNAL FREQUENCIES OF GASEOUS ATMOSPHERE + INEQUALITIES FCR SIGN FREQUENCIES OF LAYER MODES MAY 1961 RIPENSICNS AND PARPCNIC FREQUENCIES OF NH3 AND ND3+ MOLECULA RASITICSAY 1962 NATURAL FREQUENCIES OF TUNNEL DIODES WITH PA CN THE EXTREMA CF THE FREQUENCIES OFCHANDPCGENEOUS STRINGS FCR CONVERSION CF+BANC FREQUENCIES TC UHF, DECEMBER 1962. N CF TIO2PLTILE' AT LCW FREQUENCIES 1960 + AND DIELECTRIC LO CN AND NCRPAL VIBRATION FREQUENCIES+PROP AMPLITUDES OF IRATI SIMPLE SHAPES AT LCW FREQUENCIES, FINALEPORT, JANUARY ANTENNAS AT LCW FREQUENCIES, MARCH 1962. CN+CEGENERATE VIBRATICN FREQUENCIES, CN THE RATION FUNCTIONS OSCILLATORS WITH LARGE FREQUENCIES CFCHANDPCGENEOUS STRINGS NEL DICCES AT MICROWAVE FREQUENCIES, SEPTEMBER 1962. TUN EY CF ICE CAPS AT RACIO FREQUENCIES,UGUST 1960. + SURV HASIS CN EXTRAPOLYNCMI+ FREQUENCIES,LNE 1960. + WITH EMP LATICNS ARE VIBRATICAL FREQUENCY SPECTRACT 1959 + RE FIELD GRADIENT A RACIO+ FREQUENCY PLASPA ACCELERATION IN EPORT NCV 1961 LCW FREQUENCY ABSCRPTION PROJECT FINAL R LIPITATIONS CN FREQUENCY AND TIPE DIVERSITY FORACIN BETWEEN CON STRETCHING FREQUENCY ANELECTRONEGATIVITY IN CHARACTERISTICS CF LCW FREQUENCY ANTENNAS FOR ACCRETPPLICAT NTOF SYSTEPS FOR LCW FREQUENCY ANTENNAS, CFCCMPRCMAN SAMPLING CF HIGH+ FREQUENCY ARCTIC SIGNALS WITH ANPPEN VER LARGESSTANCAPECIALP+ FREQUENCY ARCLNCWAVE COPMUNICATICA O M + FIREC AZIMUTH SWEEP FREQUENCY BACKSCATTER OBSERVATIONSBOD COVERING THE FREQUENCY BAND 35+65 MC-S,FEBLARY CF PICRCWAVE+ FREQUENCY BEATS DUE TOMCTOPERING OF CONTROL ANTENNAS, RACIC FREQUENCY BREAKECHNEASLREPENTS CN APERTURENTENNAS+SPATIAL FREQUENCY CHARACTERISTICS CF FINITE RCPAGATICA OVER A GRCW+ FREQUENCY CHARACTERISTICS OF RADIC P ANALYSIS CF HIGH+ FREQUENCY CIRCUITSRCSSING THE AURORA AL REPACT NCV + HIGH+ FREQUENCY COPUSTICA INSTABILITY PIN CF LONGITUDINAL HIGH FREQUENCY COPUSTICNANSTABILITY IN A IU' LCW AND VERY LCW FREQUENCY CRCSS+SECTION PEASUREPENTS IL' ASPECTS OF PRELIP FREQUENCY DATA TRANSMISSICN SECRETPR ALL AS A FLUCTUATICN OFTER FREQUENCY DEC 1960+RETATICA II. REC ELECTRCN COLLISICN FREQUENCY DETERPINATION IN N2, PAY, BY AN INFINITELY+HIGH+ FREQUENCY DIFFRACTICN CF PLANE WAVES BY ANNFINITE + HIGH+ FREQUENCY DIFFRACTICN CF PLANE WAVES SICA SPECTRUP OF A HIGH FREQUENCY DISCHARGE IN OXYGEN EPIS GAS STREAPITH A RACIO FREQUENCY DISCHARGE NCV 1959 CN CF PRCPYL+S PETROC TO FREQUENCY DCPAINPRCBIPATICA+EXTENSI 1562 FREQLENCY DCUPLING WITH FERRITES F 200+PC-S SCLARLAST+I. FREQLENCY DRIFT AND FINE STRUCTURE O TRANSPISSICN OF ALCIC+ FREQLENCY ELECTROPAGNETIC WAVESODE, ABCSRPTICN OF AUCIC+ FREQLENCY ELECTROPAGNETIC WAVESRAVER INTERACTION CF LCW+ FREQLENCY ELECTROPAGNETICAVES WITH E CRIGIN CF E,VERY+LCW+ FREQLENCY EPISSICNS,, AUGUST 1960. CALCLLATICN CF THE FREQLENCY FACTOR IN THEEFORPATION+RA NOTE CN THE PLSICN FREQLENCY FOR STIPULI OF ALTERNATING CF TH EFFECTIVECLLESSICA FREQLENCY FCR NEARLY IONIZED AIR, INVESTIGATICA CF HIGH FREQLENCY GASEOUS BREAKCCWN UNDERGRND RCSPHER+EVICENCE OF LCW+ FREQLENCY HYDROPAGNETIC WAVES IN THE IN NUCLEI ENGINES+HIGH+ FREQLENCY IN TABILITIES AND SCALING CENSITY AND DISTRIBUTICN FREQLENCY INNE C RECION DURING POLAR C-S OCT 1959 SWEPT FREQLENCY INTERFERCPETER FCR 35+65 P CF A SWEPT FREQLENCY INTERFERCPETERCR 35+65 ENTROPI+ANALYSIS CF LCW+ FREQLENCY ICNCGRAPS FRCP STEEP GRADI THEORY ANALYSIS CF LCW+ FREQLENCY ICNCGRAPS,CVERPER 1, 1960. CFATREPELY +LCW FREQLENCY PAGNETIC FIELDS, AUGUST A ACTE CN CPTIPAL VCCAL FREQLENCY PAR 1959 TESTS,UGLST + IL' RACIO FREQLENCY PEASLREPENTS FIREFLY 1960 G ELEPENTS, PARCH 1961+ FREQLENCY PIRING WITH SUPERCONDUCTIN TEPBER 1961. CPTICAL FREQLENCY PCDLLATICN TECHNIQUES, SEP DEVELOPPENT OF CPTICAL FREQLENCY PCDLLATICA TECHNIQUESECEMB PHASE STABILITY IN FREQLENCY PULTIPLIERS JUN 1961 ULATING SPEECHATEL+LCW+ FREQLENCY NCISE AND PETHODS FOR CALC THE PENISCLS TYPE1+LCW+ FREQLENCY NCISE AND OSCILLATICNS IN +JUNCTICNEPPANIL+AUCIC+ FREQLENCY NCISE FIGLRES OF PNP ALLOY OF REVCLLTICA WITH FREQLENCY NCT NECESSARILY SPALL JUN TTER PLASTS,EBALA+SWEEP FREQLENCY OBSERVATICNS OF PETEOR SCA ALIISTRIBLTICA CF THE FREQLENCY OF DISCHARGE CF SINGLE CAL PLSCCLC THE FREQLENCY OF DISCHARGE CF THERPINAL ATICNS,4Y IC, 1961. THE FREQLENCY OF NCALINEAR PLASPA OSCILL CN THEEPETITIVE FREQLENCY OF SINGLE CELLS CF THE CBSERVEC AT A FREQLENCY OF 21.6 PC. P. S. 1958 CENSITY AND COLLISICN FREQLENCY OFRC+EATED ARCTIC PLASPA L REPACT CEC 196C + HIGH FREQLENCY OSCILLATION PHENCPENA FINA CPATIC CCNTACL CF RACIC FREQLENCY PHASE SHIFT CCT 31 59 AUT PERFORPANCE OF A HIGH+ FREQLENCY PCLAR+CPPLNICATICF NETWORK LCW AND VERY LCW FREQLENCY PROPAGATICN JAN 6C DIPOLE IN A COLEAT+LCW+ FREQLENCY RACIATICN FRCP AN ELECTRIC LITE ANCRCPE+A VERY LCW FREQLENCY RACIC EXPERIPENT FOR SATEL XPERIPENTS IN VERY LCW+ FREQLENCY RACIC PROPAGATICA JUN 59+E ICNCSPHERICCTICAS, +LCW+ FREQLENCY RACIC STUCIES CF APPARENT P A LONGITU+LAVERDY LCW FREQLENCY RACIC WAVE PROPAGATION CVE CVER THE SWEPT FREQLENCY RANGE 50+1000 KC-S,CTOBER EPISSIONS IN THE ALCIC+ FREQLENCY RANGE, PARCH 7, 1962 FOR THECC TC 3CO MPC FREQLENCY RANGE, NCVEMBER 1960. NGYSTEPS IN THE VERTICAL FREQLENCY RANGES, PAY 1, 1961.+FINDI CE ISLAND+ENTREPELY LCW FREQLENCY RECEPTION AT RINGSTEN, OHO OF LCNGWAVE SWEEPS FREQLENCY RECCAUS FEB 1 1959 NCPECTALP JLL + HIGH+ FREQLENCY REGICA CF THE DREPSSTRAHLU 961. FREQLENCY SCANNING ANTENNAS, APRIL 1 NNAS, ALGLST 1961. FREQLENCY SCANNING CF SLCW WAVE ANTE LIPITING EFFECTS CF FREQLENCY SEP 1959 DETECTICN OF SIGNALS CF LACERTAIN FREQLENCY SHIFT KEYED RECEIVER CCNFI CENTIAL PAR + IL' LCW FREQLENCY SHIFT KEYED RECEIVER CONFI CIC WAVESETLRNE+CCPPLER FREQLENCY SHIFT CF P.P. TC S.M.P. BA ING CF ALBALIS CALSEE+V FREQLENCY SHIFTS IN HYPERFINE SPLITT INFRARED STLCY CF BCNC FREQLENCY SHIFTS IN LIGLIDINLA REPOR ANC DESIGN CF A HIGH+ FREQLENCY SILICCNAPIDE ACTIVE DEVIC ANC DESIGN CF A HIGH+ FREQLENCY SILICCNALICON CARRIER RPS, BACKSCATTER + LCW FREQLENCY SCLAR BURSTS ANC NOISE STU LLISECCNC TIPEESPCNSE + FREQLENCY SPECTRA ANALYSES CF ONE PI PARTICLES INTERACTITH + FREQLENCY SPECTRA CF LATTICES WHCSE CF SINGLEARCINTS IN THE FREQLENCY SPECTRUP CF A CRYSTAL NCV ATS FREQLENCY STLCIES CF ENGLISH CONSCNA PERFPRIL + AN PP SWEEP FREQLENCY STLCY CF THE ARCTIC ICNOSP E 1961 HIGH FREQLENCY TRANSISTER OSCILLATORS JUN APOSR TN 60-1?? AFCRC-TN-59-967 APOSR 2474 APOSR 3565 AFCRL-984 AFCRC-TN-60-149 AFCRL-TN-60-1136 AFCRC-TN-60-260 APOSR 3506 APOSR 806 APOSR TN 57-423 APOSR 3900 APOSR TN 60-201 AFCRL-62-960 APOSR TN 60-692 APOSR 2670 AFCRL-62-100 AFCRL-961 AFCRL-62-650 APOSR TN 59-114 AFCRL-62-579 AFCRL-TR-60-171 AFCRC-TR-60-269 APOSR TN 59-1104 APOSR TN 60-496 APOSR 2057 AFCRL-TN-60-169 APOSR 2824 AFCRL-TN-60-657 AFCRL 527 AFCRC-TR-60-125 AFCRL-969 APOSR 1573 AFCRL-62-980 APOSR 1350 AFCRC-TR-60-261 AFCRL-62-975 AFCRL-62-23 AFCRL-62-106 APOSR 1802 APOSR 1957 AFCRL-322 AFCRC-TR-59-133 APOSR 299 AFCRL 352 AFCRC-TN-59-176 AFCRC-TN-59-125 AFCRL-TN-60-480 APOSR TN 59-1127 APOSR 3848 APOSR 2695 AFCRL-657 AFCRL-62-797 AFCRL-62-544 APOSR 2396 AFCRL-750 ARL 62-300 APOSR TN 59-374 AFCRL-62-55 AFCRL-62-364 AFCRL-1063 APOSR TN 58-1026 AFCRL-97 AFCRC-TN-60-166 AFCRL-516 AFCRL-62-1063 AFCRC-TN-60-604 AFCRL-62-734 AFCRC-TN-59-171 AFCRL-758 AFCRL-75 AFCRL-904 AFCRL-62-30 APOSR 1014 AFCRC-TR-59-7 ARL MC05 AFCRC-TN-59-274 APOSR TN 59-442 AFCRL 62-211 APOSR 1242 APOSR TN 60-1295 AFCRL-371 APOSR 2184 APOSR TN 59-40 APOSR 5045 APOSR 72 AFCRC-TR-59-363 AFCRL-139 AFCRC-TR-60-106 APOSR 1009 AFCRC-TR-60-210 APOSR TN 59-583 AFCRC-TN-60-493 AFCRL-118 AFCRC-TN-60-689 AFCRL-62-38130' AFCRL-TN-60-1157 AFCRL-919 AFCRL-990 AFCRC-TN-59-279 APOSR TN 60-823 AFCRL-711 AFCRL-797 APOSR 1970 AFCRC-TN-59-60 AFCRC-TR-59-121 AFCRL-1126 APOSR TN 60-703 AFOSR 1610 AFCRL-62-919 AFCRL-62-73 AFCRL-TN-60-1101 AFCRC-TN-60-166 APOSR TN 60-306 APOSR TN 59-21 APOSR 3282 AFCRL-194 APOSR 1749

A STUDY OF VELOCITY• FREQUENCY•DAMPING RELATICNSHIPS FOR AFOSR TN 59-969
JAN •8 SELLTICA IC THE FREQUENCY•IN CEPENCENT ANTENNARDBLEM AFOSR TN 5696
A SINGLE FLLS••PCLATED FREQUENCY•INCEPENDENT ANTENNACT 59 AFCRC-TN-60-126
ACTICA•TRANSFER AND FREQUENCY•SHIFT RELATIONS IN THECALI AFOSR TN 59-847
ICA PREDICTICN PROP SIA FREQUENCY•TIME PAIRSUG 59 • POSIT AFCRC-TR-59-106
CENSITY AND COLLESICN FREQUENCY, PART JANUARY 30, 1961. AFOSR 4151
N CENSITY AND COLLESICN FREQUENCY,ANLARY 31 1961. • ELECTRO AFCRL-70
ISTLERS ANC RELATEC LCN FREQUENCYABLE WAVE PHENCPENA•1962 WP AFOSR 4151
AFCRL-62-1122
SPINALE BELL•ANTCLP•LD FREQUENZA DI SCARICA DEI PCTENFURONI AFOSR TN 60-1295
CISTRIBUZIONE DELLA FREQUENZA DI SCARICA DELLAINGOLA AFOSR 1262
21, 1962. FRESNEL GAIN CF APERTURE ANTENNA PAY AFCRL-62-595
21, 1962.LNE 19, 1962• FRESNEL GAIN CF APERTURE ANTENNA PAY AFCRL-62-940
BNNAESIC•APPLICATICA CP FRESNEL ZONE THEORY TO PICROWAVE ANT AFCRL-62-950
ERCYC A RECEIVER IN THE FRESNEL ZONE, APRIL 29, 1960.• OF EN AFCRL-TN-60-707
PROPERTIES CP VCICELESS FRICATIVE CONSONANTSAY 1961.•CN THE AFCRL-62-97
CF •SENSITIVITY CP SKIN FRICTICN AND CRAG TC THEISTRIBUTICN AFOSR 2343
ASPECT OF SLICING FRICTICN BETWEEN WALLSDICATEDSURFACES AFOSR TR 60-117
HEAT TRANSFER AND FRICTICN COEFFICIENTSCN A FULLY AFOSR TR 59 380
SING DEC 1959 FRICTICN DRAG CN BLADEC DISCS IN POU AFOSR TR 60-99
PLASTICITY ANC INTERNAL FRICTICN FINAL REPCRT SEP 1959 • O AFOSR TR 59-141
961. CN THE EFFECT CP FRICTICN IN BARCCLINIC WAVES. JULY 1 AFCRL-62-614
ALUP MCCEL CP MCLECULAR FRICTICN IN SIMPLEPASE PLASMAS• CONTI AFOSR 1781
TISTICAL DIFUCATICN CP FRICTICN JAN 1960 STA AFOSR TR 60-207
HIGH•VACCUM FRICTICN PAR 1959 AFOSR TR 59-97
ARTENSI•CN THE INTERNAL FRICTICN OF CCLC WCRKED AND QUENCHED AFOSR TR 60-1121
ELEMENTS CN THINTERNAL FRICTICN CF CCLC WCRKED ANDQUENCHED AFOSR 115
TEATCN PCINSEP•INTERNAL FRICTICN OF FE AI ALLOYS DUE TO SCLU AFOSR TN 60-695
RECCVERY, ANC SPIN FRICTICN ON FLAT PLATE SURFACE WITH AFOSR TN 60-1417
CNTINUCTUCC•INTERNAL FRICTICN STUDY CF FCIN SPCWER FROM F AFOSR TN 59-770
CF THE USE OF INTERNAL FRICTICN TECHNIQUESA THE STUDY OF AFOSR 2973
PRODUCTICN, INTERNAL FRICTICN, AND YCUNGS MCDULUS INDUCED AFCRL-62-919
THEIR RELATICA TC FRICTICNAL ANC CUBRICATICNMECHCMENA, ARL-C040
CEPENDENCE CP THE FRICTICNAL CCEFFICIENTS POLYMERS IN AFOSR 1002
LE ANDCNNECTICN•CCMPLETE FRICTICNAL STICK•SLIP RELAXATION CYC ARL-C035
CP POLYMERS FRICTICNAL STICK•SLIP, CHARGENGINETI ARL-C044
DISLOCATICAN AN • THE FRICTICNAL STRESS ACTING CN A MCVING AFOSR TN 60-970
CN THE INTERNAL FRICTICNF CCLC WCRKED AND QUENCHED AFOSR 2320
MECHANICALBEHAVICR IN FRICTUCNAL STICK•SLIP BETWEEN PLASTI ARL-C038
RUSSIAN EC. BY MCRRIS FRIEDMAN, TRANS. EC. AVAILBLE MCLT, AFOSR TR 60-02
EPCTIVE NELRINGLELLE) FRINGILLA CCELEBS' NEUROCPHYSICLOGICA AFOSR TN 60-1278
TICN IN THE CHAFFINCH) FRINGILLA CCELEBS'• DFA EPCTIVE BEAC AFOSR TN 60-1278
THEORERS CP PERRON AND FROBENIUS GNEA•NEGATIVE SEP 1961• OF AFOSR 1494
THE NASAL ALCCSA IN THE FRCG • BY ELECTRICAL STIMULATINF AFOSR TN 60-1074
ICLCGY CF SISSICA IN THE FRCG JOANA PIRIENI•ANATCMY AND PHYS AFOSR TN 60-1148
HE VISUAL SYSTEM CP THE FRCGINAL REPCRT 1960 • REPARMS ON T AFOSR TR 60-77
THE FROGS EYE TELLS THE FROGS BRAIN WHAT AFOSR TN 60-1175
WHAT THE FROGS EYE TELLS THE FROGS BRAIN AFOSR TN 60-1175
DETACHEE SHOCK WAVE IN FRONT OF AQUEOUS NCTE WINCCH PAY AFOSR-ORA-62-8
PROUGH AYPERSCNIC SPECA FRONT, MAY 1961. • DIFFUSION T AFCRL-582
E NCN•REGILIBRILP SPECA FRONT, OCTOBER961.•RADIATICN FROM TH AFCRL-937
ICUR • STUDIES CP THE FRONTAL AND STRIATE CORTEX AND BEHAV AFOSR 2243
PERFORM•STIMULATICA CP FRONTAL CORTEX AND CELAYECLITERNATION AFOSR TN 60-913
CP STIMULATICA CP FRONTAL CORTEX AND HIPPOCAMPUS CNANA AFOSR 4100
CRIMINATICNS•EFFECTS CP FRONTAL CORTEX LESICNS CN CONJECT CIS AFOSR 3021
RE TIMI•THE EFFECTS CP FRONTAL LESICNS AND NITROUS OXIDE ON AFOSR TN 60-712
THE CURVATURE CP SPECA FRONTS IN SHOCK TUBES JUL 1962 AFOSR 1790
EXPANSICN PCR THE FROST PCINTS CPAGCA•KYPTCN CAS CIRTU AFOSR TN 58-1098
OATICN CP A PREARATILLY FROZEN LAKE, CECEMBER960 AN INVESTI AFCRL-TN-60-660
CN THE RELATICN BETWEEN FROZEN POLARIZATION ANDELECTROLUMINES AFOSR 2321
ESSICN UNCERDOMBITRARY FRUSTRATION THE INHIBITICN CF AGGR AFOSR TN 59-909
ARBITRARINESS CP FRUSTRATION AND AGGRESSION AFOSR TN 60-1375
GGRESS•ARBITRARINESS CP FRUSTRATION AND ITS CONSEQUENCES FOR AFOSR 203
ON CCMPLSTICN RATES IN FUEL AEROSOL VAPCR•NOV 1958 RESEARCH AFOSR TN 58-165
ILLATI•CN THE EFFECT CP FUEL COMPOSITICN CN HIGH FREQUENCYSC AFOSR TN 60-1431
ILLATICNS IN •EFFECT CP FUEL CCMPCSITICN CN HIGH FREQUENCYSC AFOSR 1069
APCNG PLANING FUEL CROPLETS I A SINGLE PLELLATE AFOSR TN 60-516
APCNG PLANING FUEL CROPLETS II TWC PARALLELVEL AFOSR TN 60-917
ANC BREAK UP CP FUEL CROPLETS JANE•CIMENSICNAL GAS AFOSR TN 60-229
TICS ON THEOMBUSTICN CP FUEL CRCPLETS JUN 1962•CHEMICAL KINE AFOSR 2836
WEEN TWC PARALLELLPNING FUEL PLATES • OF INTERACTICNS BET AFOSR 1660
TIPE IN AICLIC FUEL ROCKET ENGINE WITH DISTRIBUTED AFOSR TN 60-886
AVERSICN TIPE PCR ACCEL FUEL SPRAY CEC 1960 • CHEMICAL CO AFOSR 156
JAN 1959 CCMBUSTICN CP FUEL SPRAYS AFOSR TN 59-629
PINIPLP FUEL TRANDITICNS NCV 1962 AFOSR/ORA-62-21
TICNSTABILITY IN A GAS FUELED ROCKET PCTCR DEC 1961• COMBUS AFOSR 1957
PREC BACICAL FUELS • A TOUGH PRCBLEP SEP 1959 AFOSR TN 59-021
NBC GASES CP A VARIETYP FUELS B P BULLBICZ, P J PACLEY • BUR AFOSR 1659
RESEARCH CN LL'AB ENERGY FUELS PCR ACCRET CCMBUSTICA OCT 59•R AFOSR TN 59-169
FREE BACICAL AS FUELS, ARL-C001
ABSCRBER PLEN ELEKTRCPAGNETISCHE WELLEN•OVERB AFCRL-TN-60-199
IN A TWC•CCMPCNENT FULLYCNIZED GAS. I. SMALL AMPLITUCE AFCRL-62-323
PE HEAT CCNCUCTICN CP A FULLYCNIZED PLASMA, JANUARY 1960.• T AFCRL-20
C TRANSPCRT PRCBLEPS IN FULLYCNIZED PLASMAS IN JUN 1962 • T AFOSR 3018
ICLCSY A P LANGSTAN A P FULRATH • RANGE CP REPLICATION TECHN AFOSR TN 59-1101
BY L N GACSSPAN P FULRATH A ESTANCING THE RANGE OF AFOSR TN 59-1101
A STUDY CP TRABLEATE • PURABAYA SYSTEP, FEB 1960.• MOLECULE WADC-TN-59-407
ING CHANNEL PRCBABILITY FUNCTI•CHANNELS WITH ARBITRARILY VAR AFOSR 3324
999 SCPATIC FUNCTINS OF THE NERVOUS SYSTEP JUL 1 AFOSR TN 59-1145
E CN A PECLIAR RETINAL FUNCTIC•CN THE INFLLENCE CP SYMPATN AFOSR TN 60-779
THE P••AVE STRUCTP FUNCTICA ARL P032
ICNS ANC PSYSCCLCGICAL FUNCTICN AFOSR 845
RETINCGRAPHIC INTENSITY FUNCTICN NCTE CN THE ELECTRO AFOSR 1269
NTIAL RELATIONS ANC THE FUNCTICN • INFLUENCING THE ELEC AFOSR TN 60-1374
TRCTINCGRAPHICATIENSITY FUNCTICN • PCLYCHRCMATIC SOURCES AFOSR 881
ANC GENERALIZECTRANSFER FUNCTICN IS PAR 1961 • CF THE AFCRL-361
DERIVATIVE CP ANTIVALENT FUNCTICN • II AFOSR 269
ATTVISTIC CCLTRCN WAVE FUNCTICN • II BEL AFOSR TN 60-917
RETINCGRAPHIC INTENSITY FUNCTICN • THE STIPLLUS CNME ELECTRO AFOSR 2017
G•TRANSLATION INVARIANT FUNCTICA ALGEBRAS CA ABELIAN GROUPSU AFOSR TN 59-459
APPLITICE CISTRIPLTICN FUNCTICN ANALYZER ALG L 59 AN AFCRC-TN-59-950
E RETN0•SOLPETRCCL•WAVE FUNCTICN ANC A FORMAL SCLUTICA TO TH AFOSR 2759
BAL•CN A CHARACTERISTIC FUNCTICN AND AN INVARIANT TRIPLENTEG AFOSR ORA 62-17
CEC 1959 LIAPUNCV•S FUNCTICN AND BOUNDARSS CF SCLUTICNS AFOSR TN 59-1210
R PRCTEINLNOWER IN•THE FUNCTICN ANC CLNTRCL CF INTRACELLULA AFOSR 4232
APR 1961 TWC•PCINT FUNCTICN ANC GENERALIZED FREE FIELDS AFOSR 772
ANC MAXIMA CP THE AIRY FUNCTICN AND ITS FIRSTDERIVATIVE IN AFCRC-TR-58-135
LINES APPEC•CORRELATICN FUNCTICN AND POWER SPECTRA CF RADIO AFOSR TN 58-968
ONS APPECIE•CORRELATICN FUNCTICN AND PCWER SPECTRA CF RADIOI AFOSR 3064
RYPCTHETICALDISTRIBUTICN FUNCTICN AND PYRE PCDIFIED EMPIRIC AFOSR 1051
RYPCTHETICALDISTRIBUTICN FUNCTICN AND PYRE•S MCDIFIED EMPIRIC AFOSR 3609
IYPPETRY CP A DECLEAN FUNCTICN AND SYNTHESIS CFICCE SYMPET AFCRL-306
PCR QUASI ACCITIVE SET FUNCTICN ANDAECN•NIRODYN DERIVATES AFOSR TN 59-477
CF THE GREEN•S FUNCTICN ARISINGN THE LINEAR BARDTRO AFCRL-TN-60-661
CF THE ACAPTIVE FUNCTICN BY Z•TRANSFORP METHOCOV AFOSR TN 59-905
CN DIFFERENTIALS IN FUNCTICN FIELCS AFOSR 1708
ARY 13, • CN THE GREENS FUNCTICN FOR A CIRCULAR CYLINDER,ANU AFCRC-TN-60-575
,ARCH • CN THE TRANSFER FUNCTICN FOR A RADIC SCATTER CHANNEL AFCRL-62-971
TWC DIMENSICNAL GREENS FUNCTICN FOR A RIGHT ANGLED WEDGEADE AFCRC-TN-59-166
CNE•ELECTRCN POTENTIAL FUNCTICN FOR •2 SEPTEMBER 1962. A AFCRL-62-1055
CP ICLOCE FUNCTICN FOR RESCNANCE ANC STRONGLBO AFCRC-TN-59-230
LINEAR••INETIC LYAPLACV FUNCTICN FOR STABILITY ANALYSIS OFDN AFOSR TN 60-960
PAIR DISTRIPLTICN FUNCTICN FOR STRCNGLY INTERACTPARTICL AFOSR TN 59-424
STATE SCFOLCAC•PC WAVE FUNCTICN FOR THE CARBONVLULPICE AFOSR 4036
N THE GRCLNC STATE WAVE FUNCTICN FOR THE C22 MCLECULE • O AFOSR 4037
SINGLE•CENTER WAVE FUNCTICN FOR THE HYCROGEN MCLECULE AFOSR 3960
STATE•CENT WAVE FUNCTICN FOR THE HYCROGEN MCLECULE AFOSR 3440
P CS SCFOLCAC•PC WAVE FUNCTICN FOR THE 1 CF GROUND STATE O AFOSR 4034
THE BLACKPECK BACTATICN FUNCTICN FOR WAVELNPCRALCULATIONS. AFCRL-62-877
CP A STATICNARYJACCCP FUNCTICN FROP ITS SPECTRUP JAN 60 AFCRC-TN-60-135
•ERE II CEPT•PEP•SCLUCE FUNCTICN IN A NCN•EQUILIBRIUM ATMCSP AFCRC-TN-59-210
CN THE METAL CCNFRENCE FUNCTICN IN AN INHCMOGENEOUSSECTUR, AFCRL-62-45
S USINGC•VELCP•RDYNAMICAL FUNCTICN IN CONNECTED SPEECH. STUCTE AFCRL-62-83
GAUSSIAN AYPERGECMETRIC FUNCTICN IN SCRIESP FUNCTICNS OF AFOSR TN 59-734
AYPERGECMETRIC FUNCTICN INERIES OF BESSEL FUNCTICNS AFOSR TN 59-144
RTIES CP THE FIVE•PCINT FUNCTICN INCTLCBRATICN THECAY• PREPR AFOSR 770
FYCROGEN BCNC PCTENTIAL FUNCTICN JUL 1962 • DEPENCENCE OF TH AFOSR 3670
ICA CF THE PLLSERMANSPER FUNCTICN JUN 1960 • PERIODIC ESTIPAT AFOSR TN 60-688
IC CNE CIPENSICNALBLITZ• FUNCTICN LATTICE NCV 1959•CN APERIOD AFOSR TN 59-1191
E VALUES CF AEACP•CAPTIC FUNCTICN PAR 1960•DEFICIENCIES OF TH AFOSR TN 60-337
PE RELA•I THE PERMANENT FUNCTICN PARVIN PARCUS, P C PAY CA I AFOSR 15
IN FIELC EPISSICA WCRK• FUNCTICN PEASLAPERNIS OFTEPICALLY AFOSR 1C96
CP SYSTEPS • THE GREENS FUNCTICN METHCD ANCLPRECONCLCTIVITY AFOSR 245
Y ANCMALIES • WEIGHT FUNCTICN METHCD FOR COPPUTING GRAVIT AFCRC-TN-59-626
CNS TO THE•CPAS•GREEN•S FUNCTICN METHCD FOR QUANTUP CCRRECTI AFCRC-TN-59-464
CNS TO THE•C•THE GREENS FUNCTICN METHCD FOR QUANTUP CCRRECTI AFCRL-TN-60-686
REPRESTESCENT CF GREEN•S FUNCTICN OCT 1960 • THE CURVES OF ST AFOSR TN 60-1138
THE PAIR DISTRIPLTICN FUNCTICN CP A BCSE PARC SPHERE SYSTE AFOSR TN 59-739
THE PAIR DISTRIPLTICN FUNCTICN CP A HARD SPHERE BCSE SYSTE AFOSR TN 59-928
N THE PAIR DISTRIPLTICN FUNCTICN CP A HARD SPHERE BCSEYSTEM AFOSR TN 60-864
1961 LINEAR RESPCNSE FUNCTICN OF A PANY PERRICN SYSTEPAY AFOSR 1169
R • ,,CN THE PARTITICN FUNCTICN CF A CNE•DIPENSICNAL GAS,,A AFOSR TN 58-201
A PEDILPII•CCRRELATICA FUNCTICN CF A SIGNAL PASSING THRCUGH AFCRL-19
C PESCPIC ILPINANCES AS FUNCTICN CF CENTRAST• AT PHCTCPIC AN AFOSR 6196
GCE PERFCRPANCE AS A FUNCTICN CF CONTROL LOAD ANCCENTROL AFCRC-TN-59-6
, 1962 PRESSURE AS A FUNCTICN CF CISTANCE . PART I, MAY 1 AFCRL-62-4611
1962. PRESSURE AS A FUNCTICN CF CISTANCE II, OCTOBER 31, AFCRL-62-1012
PLLSENBRALIZATICA AS A FUNCTICN CF CRIVE SPIPT APR 1962•STI AFOSR 2596
CF THE PACK BANCS AS A FUNCTICN CF FIELCPRINANCE•VISIBILITY AFOSR TN 59-701
CCLLISICN3AN•EXCITATICN FUNCTICN CF HELIUP 3IP PCR ELECTRON AFOSR TN 59-935
ALEPROT •CN THE GREEN•S FUNCTICN OF PCTENTIAL SCATTERING FIN AFOSR 4059
POLSTICA PHENCPENA AS A FUNCTICN CF PRESSURE SEPTEPBER 61•LO ARL 61
CF CCPPLED SIGNALS AS A FUNCTICN CF SIGNALBANDWICTH AND LUNAI AFCRL-TN-59-59
SCATTERED • CCRRELATICN FUNCTICN OF THE APPLITUCES CP SIGNAL AFCRL-570
INVERSICA TEPPERATURE FUNCTICN OF THE FIRST CCDERNE PHCAON AFOSR 4273
T•SPERC CF REACTAC SS A FUNCTICN OF THE CRIENTATICA CF THEES AFOSR TN 60-1011
THE SEA BREEZE AS A FUNCTICN OF THE PREVAILING SYNOPTICI AFCRL-1091
CF THE SPECTRAL FUNCTICN CPELP•ADJCINT ELLIPTIC AFOSR 1874
CF THE SPECTRAL FUNCTICN CPELPADJCINT ELLIPTIC OPERA AFOSR TN 59-1102
ETENTICN II. RECALL AS FUNCTICN OPERRAL CCNTENT CEC 1960• R AFOSR 73
CF PRCPCRTICA AS A FUNCTICN OPLEPENT TYPE EXPCSURE AFOSR TN 60-872
RESPCNSES AS A FUNCTICN OPOACING LCCATICN ANC REPET AFOSR TN 60-507
•EA I ANC PE2 AS A FUNCTICN OPRESSURE AND TEPPERATURE AFOSR 1777
TENTICN II. RECALL AS A FUNCTICN OPTEP FREELENCY DEC 1960•RE AFCSR 259
PCINT SETS LACARREAL FUNCTICA CN A SPACE ADMITTING TWO AFOSR TR 58-146
SELF•CCNSISTENT FIELC FUNCTICA CR ATCMSCHEST CONFIGURATION AFOSR 4039
CERIVATIVE CF A CCMPLEX FUNCTICN SEP 1959 • OPENNESS OF THE AFOSR TN 59-1120
VALLE PROPLEPS,AC FUNCTICN SPACE INTEGRALS APR 1961 AFOSR 847
FUNCTICN SPACES ANC FINALITY MARI960 AFOSR TN 59-399
RELATICNS BETWEEN FUNCTICN SPACES DEC 1959 AFOSR TN 59-1206
RC ANC RLETWC•TRANSFER FUNCTICN SYNTHESIS BASED CA CASCADED AFOSR TN 60-1024
ICN OF CCNTINCLS CHCICE FUNCTICN THECREP • A GENERALIZAT AFOSR 2819
APR 59 CA THE INVERSE FUNCTICN THECREP IN BANACH ALGEBRAS AFOSR TN 59-330
R•S EQUATICN ALG 1961 FUNCTICN THECPETIC ANALYSIS OF REPLE AFOSR 1123
AIN BCUNCARY•VALLERCEL• FUNCTICN THECPETIC SCLUTICNS CP CERT AFOSR 1083
FIELDS JLN 196 CCMPLEX FUNCTICN THECRY CVEP NCN•ARCHIMEDEAN AFOSR 3189
CENTRAL NERVCLS SYSTEP FUNCTICN 1960 NELRAPINIC ACID AND AFOSR TN 60-1430
PAIR CISTRIBUTICN FUNCTICN, GENERALPECRY ANC ITS APPLI AFOSR TN 60-439
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CN A CCPPOSITE ENERGY — GAP PHOTOVOLTAIC CELLUGUST 1962 — ARL 62-395
NIPCON+OSCIATICN PRCP A — GAPPERCISTED CYLINDER SURROUNDED BY A — AFCRC-TN-60-705
II THE CALCULATION CF — GAPFIELDS BY MEANS CF DISTRIBUTED — AFOSR 1526
S, 1961 — GAPS IN THE DISTRIBUTION OF ASTEROID — AFCAL 1153
TS IN PCWDERMETALLURGY WITH — GAPS SUM 1999 + CF THE CCEFFICIER — AFOSR TR 59-115
YCRYSTALLINETTRIUP IOCN — GARNET + RESONANCE IN POL — AFOSR TN 59-1104
CY203ND CYSPROSILP IOCN — GARNET + IN BY101 SITUATED IN — AFOSR TN 60-1041
101 IN CYSPROSILP IOCN — GARNET + ANC PIOSTRICTED STATE OF V — AFOSR 907
CY 160N CYSPROSILP IOCN — GARNET FEB 1962+ROTATIONAL STATE OF — AFOSR 2535
IN YTTRIUP + IOCN — GARNET SUBJECTED TCMAGNETIC FIELDS. — AFCAL-199
CRYSTAL GROWTH CF THE — GARNET TYPE CXIDES. PART II.+BASE — AFCRL-92
CRYSTAL GROWTH CF THE — GARNET TYPE CXIDES. PT. I.+BASE RELAT — AFCRC-TN-60-162
IYSPROSILP IOCN — GARNET USING + ANGULAR CORRELATION — AFOSR 3441
YTTRILP ALUPINILA — GARNETS, ANC INVESTIGATION CF ANTIFERRCMAGNE — AFCRL-775
SPECTRA IN FERRITES AND — GARNETS APR 19+INITIAL PERMEABILITY — AFCRC-TN-59-169
CN IRCN NUCLEIN IRCN — GARNETS USING THE RECOIL+FREE ABSORP — AFOSR 225
RARE EARTH IONS IN+ESE — GARNETS, MAY 1961. + SPECTRA OF FOUR — AFCRL-775
EASLREPENTS IN PAGNETIC — GARNETS,+AND PISCELLANEOUSRESONANCE P — AFCRL-TN-60-784
PERTIES CF FERRITES AND — GARNETS,OVERPER 30, 1962 + PRC — AFCRL-62-954
PLCW IN A CISSCCIATING GAS — VORTER — AFOSR 1512
DIFFUSICN IN A RELAXING GAS — LINEARIZED — AFOSR 1769
RELAXATICN IN HYDROGEN GAS — NUCLEAR SPIN+SPIN — AFOSR 2560
ERATION IN AN EXPLOSIVE GAS — INITIAL FLAME ACCEL — AFOSR 3524
R CF AN ICEAL MCNATCMIC GAS — COPPLER REFRACTIVE INDE — AFOSR 2196
A AN AUGMENTED GAUSSIAN GAS — COPPLER CLUSTER INTEGRALS FO — AFOSR 2636
UP PLCW CF AISSCCIATING GAS + SUBSONIC DRAG IN NONEQUILIBRI — AFOSR 3527
CNIC PLCW CF A RELAXING GAS ABOUT ABCDE FEB 1961 + IN HYPERS — AFOSR 263
THE NEAR+FIELD LORENTZ GAS AND A PERTURBATION THECRY OF PRC — AFCRL-62-193
FFECTS CF INTRA+CLUSTER GAS AND DUST LPCN THERMAL THEOREP+E — AFOSR TN 59-805
CTES ON A HIGH PRESSURE GAS APPARATUS 1961 — N — ARL 117
CTES ON A HIGH+PRESSURE GAS APPARATUS 1961 — N — ARL 193
CF A PARTIALLY IONIZED GAS APR 59+THE ELECTRIC CONDUCTIVITY — AFOSR TN 59-489
IN AN ICEALISSCCIATING GAS APRIL 1960 + RARIFICATION WAVE — ARL-TN 60-151
PLCW CF A NCN PERFECT GAS AROUNDDIATEC THREE+DIPENSICNAL — AFOSR 4364
ANC RELAXING GAS AT A PITCT TUBE+ THECRETICAL — AFOSR TN 60-1151
ATION IN A CILUTE PERFI GAS AT ZERO TEMPERATURE+SCLNC PROPAG — AFOSR TN 60-395
BANCS OF CARBON CICXICE GAS ATLEVATEC PRESSURES ANC TEMPERAT — AFOSR 2672
RE INTERACTIONS BETWEEN GAS ATOMS ANC SURFACES+ THECUEY OF T — AFOSR TN 58-1040
OF A DEGENERATELECTRCN GAS AUG 1962+THE DIELECTRIC CONSTANT — AFOSR 3408
IN ANCEAL CISSCCIATING GAS AUGUST 1960 + EXPANSION FAN — ARL-TN 60-167
IN A FLLLY IONIZED GAS BASED ON PULTICPPONENT FLUID — AFOSR 1618
TRANSFER IN A RAREFIEC GAS BETWEEN PARALLEL PLATES ATARGE — AFOSR 1978
S, + VERY LCW PRESSURE GAS BREAKDOWN USING SECONDARYELECTRON — AFCRL-62-239
PEASUREPENTS IN GAS BUBBLE CHAMBER ANOTLCY CF NUCLEAR — AFOSR TR 60-184
1959. GAS BUBBLE CHAMBER RESEARCH — AFOSR TR 60-25
OF A PARTIALLY IONIZED GAS BY A PERICDICAGNETIC FIELD JANUA — AFCAL-62-222
NECRY OF THE CCNTINCLS GAS CELL, JUNE 15, 1959. JU' T — AFCRC-TN-59-419
CN THE SPECTRAL, GAS CHROMATOGRAPHIC+COLARCGRAPHIC, — AFOSR 4081
RCCGRAPHIC AS A TCCL IN GAS CHROMATOGRAPHICANALYSIS, + P — ARL-C066
, GAS CHROMATOGRAPHS CF METAL CHELATES — ARL-C056
ATES, GAS CHROPATOGRAPHS SPLITS METAL CHEL — ARL-C052
PERATURE PRCGRAPPING IN GAS CHROPATOGRAPHY, INVERSE TEM — ARL-C067
ST POINTS CPRCCN+KRYPTCN GAS CISTURES + EXPANSICN FCR THE PRC — AFOSR TN 58-1098
CY CF HIGH+TEMPERATURE+ GAS COLLISSACCESSES+ BEAP FCR THE STU — AFOSR 578
TEPPERATURE CCPELSTICN GAS COPPCSITICNS,NC EXPANSICN RATIOS — WADC TN 59-49
OF A FLLLY IONIZED GAS CONFINED IN A STRONGAGNETIC — AFOSR TN 59-1162
IN A FLLLY IONIZED GAS CCNFINED IN ATRONG PAGNETIC — AFOSR 1682
CF THE EXISTING GAS COOLING ANC SUPPLY SYSTEM THE — AFOSR 4095
PCCN WAVES IN ALASSICAL GAS DEC 59 + TREATMENT CF STRONG S — AFCRC-TN-59-642
AND BRAC+OWICH CF A GAS DISCHARGE HARPCNICGENERATOR — AFOSR TN 60-1309
NCV 1962 RESEARCH IN GAS DISCHARGE PHENCPENA FINAL REPCRT — AFOSR 4041
GAS DISCHARGE PHENCPENA FINAL REPCRT — AFOSR 2872
JAN 1962 GAS DISCHARGE PHENCPENA FINAL REPCRT — AFOSR 2585
PCNICS PRCP A PICOCWave GAS DISCHARGE 1960 PAR — AFOSR TN 60-280
NE 199 THE INFLUENCE CF GAS DISSOCIATICN CN HEAT TRANSFER JU — WADC TR 59-490
SCIACHIA EI CORRENTI EI GAS DIVERSI INTERAZIONE LAMINARE I — AFOSR 3720
EASLREPENTS CF PACNETC+ GAS DYNAPIC PLASPAS PICROWAVE P — AFOSR 1468
+HIGH+SPEED GAS DYNAPICS AUG 1960 — AFOSR TR 60-93
ACSATICN+ELECTRCACNETC+ GAS DYNAPICS JUL 1959+APPLITUDE IN A — AFOSR TN 59-879
NCN+EQUILIBRIILP PLCW IN GAS DYNAPICS PAY 1959 — AFOSR TN 59-389
L BPT GAS DYNAPICS CN COSPIC SCALES + FINA — AFOSR 3055
OF THE FOURTH+TERNIAL GAS DYNAPICS SYPPOSIUMCRTHWESTERN U — AFOSR 2787
NS AND THE EQLATIONS CF GAS DYNAPICS 1961+ BOLTZMANN EQUATIO — AFOSR 255
SYPPCSILP CN RAREFIEC GAS DYNAPICS, HELD AT NNIVERSITY CF — AFOSR 1739
CNENTRATICNA+RAREFIEC GAS DYNAPICS, PROCEEDINGS CF THE SEC — AFOSR 1739
NCNEQUILIBRIILP PLCW IN GAS DYNAPICSAY 1960 + ADVANCES IN — AFOSR TN 60-957
CGEN SOLECULTIC+PETAL+ GAS EGLILIBRIUP ANC THE NICTIUM NITR — AFOSR 2067
P A CONDUCTING LAYER CF GAS FEB 1959 + WAVES IN THE PRESENCE — AFOSR TN 59-159
ELERATICNA AN EXPLOSIVE GAS FEB 1962 + CF FLAME ACC — AFOSR 2191
SPARK IGNITED EXPLOSIVE GAS FEB 1962+ PLAPECCELERATION IN A — AFOSR 2190
OF THE SPHERICALATTICE GAS FEB 60 + ANC PHASE TRANSITION — AFOSR TN 60-297
PROP THE THECRY CF GAS FLCW AT HIGH TEPPERATURES IVI+ — AFOSR TN 59-631
HIGH TEPPERATURE GAS FLCW FACILITY FCRAGNETO+CYRODYNA — AFOSR TN 59-681
EEN AMLECTRIC ARC ANC A GAS FLCW FEB 1961 FINAL REPCRT+ BETW — AFOSR 1264
IBAE+DIMENSICNAL GAS FLCW IN A CCNBUSTICN CHAMBER — AFOSR TN 60-229
LINEARIZEC CISSCCIATING GAS FLCW PAST SLENCER BCDIES JAN 62 — AFOSR 2048
C AIR REAL GAS FLCW TABLES FCR NON+DISASSOCIATE — WADC TR 59-4
HE PROBING CF LCWENSITY GAS FLCWS ELECTRON EXCITATION FOR T — AFOSR 3694
WAVE PROBING CF IONIZED GAS FLCWS FEB 1962 MICRO — AFOSR 2934
TEPPERATURE IN RAREFIEC GAS FLCWSPA 1961 FINAL REPCRT + AND — AFCSR 629
THERAT FLUX VECTOR IN A GAS FOR PROCR.S RCRP OPNECELLISION — AFOSR TN 58-793
PULSTICNASTABILITY IN A GAS FUELEC RECRET PCTOR CEC 1961+ CC — AFOSR 1957
CEVELOPPERT CF A LIGHT+ GAS GUN FORCCELERATING PELLETS TO — AFOSR TN 60-81
AMCPACE + ELECTRIC ARC GAS HEATERS FCR RE+ENTRY SIPULATION — AFOSR TN 58-1081
NC PROBLEPS CPAGNETIC + GAS HEATING BY ELECTRIC DISCHARGES A — ARL-NCC3
OF A FLLLY IONIZED GAS I. AUANTAL STUCY OF DIFFUSION — AFOSR TN 60-945
DENSITY OF NEUTRAL GAS IN A PLANETARY ENOSPHERE, — AFCRL-TN-60-619
+IGHLY HEAT+CCNDUCTIVE GAS IN THE NEIGHBORHOOD OFHE CRITICA — AFCRL-TN-60-1146
ANCILLY IONIZED GAS IN THE PRESENCE OF PTZ STRONG — AFOSR TN 60-103
CF A LAYER CF HCT GAS IN THERESENCE CF THERPAL RADIATI — AFCRL-627
CF A LAYER CF HCT GAS INNE PRESENCE CF THERPAL RADIATI — AFCRL-979
TRANSITICN WITH FCREIGN GAS INJECTICN +A 1606CRCUS CCNE AT M — AFOSR TN 60-1370
FEB 1962 EFFECT CF GAS INJECTION IN SEPARATIC SUPERSCNI — AFOSR 3764
CNDENSATICN CF NITROGEN GAS INTC A SCLIC JAN 59 + DIRECT C — AFOSR TN 59-183
9+CN THE EPPANSICN CF A GAS INTO VACCLP FLUID MECH 13 10K+11 — AFOSR 2971
LL EFFECTS IN A LCRENTZ GAS JAN 1961 — MA — AFOSR 462
PLEIATOMIC CISSCCIATING GAS JAN 1962+SLENDER BCDIES IN A SIP — AFOSR 2163
IN A COPPLETELY IONIZED GAS JUL 1961 HEAT TRANSFER — AFOSR 1562
PCRATION WITH A BARRIER GAS JUL 1962+RECISTRIBUTION DURINGVA — AFOSR 3086
CF AMPTICALLY REACTING GAS JUNE 1961+RELAXATICN IN THE FLCW — ARL 198
ATPCSPHERE. ISCPE GAS KINETIC PROBLEPS PERTAINING — AFCRL-62-1021
THERPAL ENERGIES LACER GAS KINETICCNDITICNS MAR 1962 + AT — AFOSR 2769
LLISICN+FREELASPA, +THE GAS LAW AND THE CCNDUCTIVITY CF A CO — AFCAL-103
CATIONS TC THE ELECTRCN GAS PAR 1960 + ANC ITS APPLI — AFOSR TN 60-459
LIFTING GAS PASS FLCW PETERS DEC 29 1958 — AFCRC-TR-59-203
E FCR HI HOTEPPERATURE+ GAS PEASUREPENTSECEMBER 1961 + PROB — ARL 174
SEPARATICN CF A GAS PICTURE APPRCACHING AAPPLING — AFOSR 4166
AL RELAXATION TIMES FCR GAS PICTURES VIBRATION — AFOSR TN 60-929
RATIOS CF COMPOSITIONLE GAS PICTURES AT VARIOUSPRESSURES — WADC TN 59-49
TAININGSCIPERMAL CILUTE GAS PICTURES PAY 1960 + CHAPCERS CON — AFOSR TN 60-668
THEXPANSICN OF REACTING GAS PICTURES THE OPTIMUP ACZZLEESIGN — ARL 62-305
D CF CIATCMIC GASES AND GAS PICTURESAY 1962 + POLECULAR FLO — ARL 62-346
CN+IPPACTICN METHOD IN GAS POLECULES NOV 1960 + THE ELECTR — AFOSR TN 60-1260
CN RATU ALCN+EFFECTS CF GAS POTION OR HETEROGENEOUS COMBUSTI — WADC TR 59-90
AR THRU TRAP+TRANSVERSE GAS POTIONS IN CYLINDRICAL ANC ANNUL — AFOSR 124
THE PRESENCE OPN INERT GAS POV 1999 + OF SODIUM CHLORIDE IN — AFOSR TN 59-1256
THE EFFECTS OF PERFECT GAS PARAMETERS OGAS TURBINE PER — AFOSR TN 60-229
DILP PLCW CF AN IONIZED GAS PAST AIMLSOIDAL WALL APRIL 1962 — ARL 62-339
GHCILING LIQUIDS IN THE GAS PHASE (REACTION KINETICS OF HI — AFOSR 455
TCIPULT+ENHANCEPENT CF GAS PHASE CHEPICAL REACTION RATE DUE — AFOSR TN 59-513
ELATES, GAS PHASE CHROMATOGRAPHY OF METAL CH — ARL-C065
ELATES OPCETYLACETONE,+ GAS PHASE CHROMATOGRAPHY OF METAL CH — ARL-C053
CF OXYGEN ATOPS IN THE GAS PHASE DEC 1960 RECCPBINATION — AFOSR TN 60-1016
90C. GAS PHASE RADIOLYSIS OF N+PENTANE, I — ARL+TN-60-103
SECCNDARY PROCESSES IN GAS PHASE RADIOLYSIS OFVORCCARBONS, — ARL-116
PRIPARY PROCESSES IN GAS PHASE RADICLYSIS, — ARL-C092
PRIPARY PROCESSES IN GAS PHASE RADICLYSIS, — ARL-C039
NCTES CN THE RATE CF GAS PHASE REACTIONS OF NH2 FREE — AFCSR 355
STUDY HIGH TEMPERATLRE GAS PHENOMENA APR 1959 + TO THE — AFOSR 3680
IATICNSINAL+RESEARCH CN GAS SCINTILLATIONS FROP IONIZING RAD — AFOSR 1715
TICNS + + RESEARCH CN GAS SCINTILLATIONS FROP IONIZINGADIA — AFOSR 2919
+ RARE GAS SENSITIZED RADICLYSIS CF PROPANE — ARL-C029
CISSOCIATEC HYDROGENIC GAS SEP 59 + A FLLLY IONIZEC FULLY — AFOSR TN 59-1070
ISTRIBUTICN CFN IONIZED GAS SEP 59 + CF THE FREE ELECTRON D — AFCRC-TN-59-591
NC ENTHCPY IN THE ICEAL GAS STATE FEB 61 + CPAPORIZATION A — AFOSR TN 60-1477
HEATING CF SUPERSCNIC GAS STREAP BY A RADIOFREQUENCY DISCHA — AFOSR TN 60-648
CN HEATING A SUPERSCNIC GAS STREAMITH A RADIC FREQLENCY — AFOSR TN 59-1127
NTRATICNS IN HIGH SPEED GAS STREAPS + OF ATOMCNCE — AFOSR 3209
PERSCNIC ANC HYPERSCNIC GAS STREAPS + BODIES IN SU — APL 8004
PERSCNIC ANC HYPERSCNIC GAS STREAPS + AERODYNAPIC BCDIESN SU — AFOSR 1591
ISSOCIATEDCNEQLILIBRILP GAS STREAPS CCT 1961+ TC PARTIALLY C — AFOSR 1841
IN A CIATCPIC GAS SUBJECT TCHEPRAL OR CHEPICAL — AFOSR TN 58-1057
KINEMATICS CF THE LOCAL GAS SYSTEP THE — AFOSR 127
THECRIES CF GAS TRANSPORT PHENCPENA, — ARL-C012
PARK STABILIZATICA BY A GAS VORTEUG 1959 + STUDY OF S — AFUSR TN 59-925
OF THE PCLAR METHCC IN GAS WAVES DYNAPICSCV 1959 — AFOSR TN 59-1152
STRUCTURE OF AERFECT GAS WITH THE SUTHERLAND VISCOSITY — AFOSR 2257
SPECR WAVES IN A GAS WITHARIABLE CONDUCTIVITY — AFOSR 3781
A PERFECTLY CONDUCTING GAS WITHLIGHEC PAGNETIC FIELD + OF — AFOSR 4247
A RELAXING CONVECTING GAS WITHRANOTL AND LEWIS NLPBER — AFOSR 3979
CNTRY. + INTERPLANETARY GAS. I. HYDROGEN RADIATION IN THE NI — AFCRC-TN-59-286
FLLYCNIZED GAS. I. SMALL APPLITUDE WAVES, APRIL — AFRL-62-[illegible]
CORCNA.9+INTERPLANETARY GAS. II. EXPANSICN OF A MODEL SOLAR — AFCRC-TN-60-237
E CCRONA+INTERPLANETARY GAS. III. A HYDRODYNAPIC MODEL OF TH — AFCRL-601
CLAR + INTERPLANETARY GAS. IV. NEUTRAL HYDROGEN IN A MODEL — AFCRL-602
1962 INTERPLANETARY GAS. VII. A SEMI+EMPIRICAL MODEL APR — AFOSR 4044
STRUCTUREF AN ELECTRCN GAS+ OF ANTIFERROMAGNETIC SCREW TYPE — AFOSR 1855
VISCOSITY AS RELATEC TC GAS+BEARING DESIGN PHYSICS CF AIR+ — AFOSR 1000
CCY I PARTIALLY IONIZED GAS+DISTURBANCE CALSED BY A MCVING B — AFOSR 564
HARIABLE CCNDL+PACNETIC+ GAS+DYNAPIC SHOCK WAVES IN A GAS WIT — AFOSR 3781
AC BASICANS CF PACNETIC+ GAS+CYNAMICS, DECEPBER 1961. + A — AFCRL-62-240
PIRTURES CCNTAINIAGETH+ GAS+LIQUID PRACTICEMETRIC ANALYSIS CF — AFOSR TN 59-398
STRONGLY CVERSATLRATED GAS+LIGUID SCLUTICNS+ CF45+PURPOLE IN — AFOSR TR 60-184
CN CENSITIES IN IONIZED GAS+PICROWAVE PEASUREPENTS CF ELECTR — AFOSR 3730
GAS+POLAROGRAPHY 3 SEPTEPPER 1962 — ARL 62-445
GAS+SLAPACE PHENOMENA APR 1962 — AFOSR 2342
ANC THE INTERPLANETARY GAS, APRIL 1962. THE SOLAR CORONA — AFCRL-62-633
TEC BY THEINTERPLANETARY GAS, APRIL 4, 1961. + PEAK AS AFFEC — AFCRL-294
CISCHARGE IN ARCNIZED GAS, II. N SCLLTICAS OF THE HEAT — AFCRL-238
CF SCHNC IN A RAREFIED GAS, JANLARY 15, 1961. PRCPAGATION — AFCRL-677
ION IN A PARTLY IONIZED GAS, PAY 1962.+CCNST + WAVE PROPAGAT — AFCRL-62-543
CN CF A CNE+DIPENSICNAL GAS, AR 1958 + THE PARTITION FUNCTI — AFOSR TN 58-201
ASSOCIATEC+TO HYPERSCNI+ GASDYNAPIC AND AEROCYNAPIC PROBLEPS — AFOSR 2012
AT CENSITYA PAGNETICGAS+ GASDYNAPIC EFFECTS CN ELECTRIC CURRE — AFOSR TN 59-34
PLASPADYNAPICS+SPACP THE GASDYNAPIC PCINT OF VIEW CEC 1958 — AFOSR 22
RESEARCH ON AEROSPACE GASDYNAPICS NCV 1960 — AFOSR TN 59-107
THE MCDECGRAPH METHCC IN GASDYNAPICS CF A WAVE SUPERHEATER FA — AFOSR 917
ANCIGH CENSITY GASE IPRESSURE ENERGY EXCHANGE PRINC — ARL 62-398
T CAPACITY LAG IN HEAVY GASE JUL 1961 HEA — AFCSR 1077
PART II PRESLREPENT CF GASEMPERATURES IN THERPAL PLUSES BY — ARL 62-3.
RATIONAL FREQLENCIES CF GASEOLS ALKALIALIDE P2I ICNS+AND VIB — AFOSR 3478
F POLYMERIZATICA CF THE GASECUS ALKALIALIDES DEC 1960 + O — AFOSR TR 60-183
CTROSCCPIC EVICENCE PCR GASECUS BENZYAE SPE — AFOSR TN 60-991
OF HIGH FREQLENCY GASECUS BREAKDOWN UNDERCNDITICNS CF — ARCRL-62-364
ABSORPTICN SPECTRUP CF GASEOLS CHLCRIDE ICN ANC ELECTRONPFI — AFOSR 1613
Y OF THE HALL EFFECT IN GASECUS CONDLCTORS SEP 1959 STUD — AFCRC-TN-59-783
TIMES ASSCCIATEC WITH GASEOLS DETECTION CFICROWAVES PER — AFCRC-TN-59-175
RECENT ADVANCES IN GASEOLS DETCNATION — AFOSR TN 58-850
CN THE CEVELCPPENT CF GASEOLS DETCNATION III. ICNIZATIONOR — AFOSR TN 59-1119
IS + STABILIZATICN CF GASEOLS DETCNATION WAVES WITH EPPHAS — AFOSR TN 60-442
NECTION WITH STABILIZED GASEOLS DETCNATICNAVES + IN CON — AFOSR TN 58-886
ETRIC SLCIES CF STREAG GASEOLS DETCNATICNS PAR 1961 PARAP — AFOSR 569
ERIPEN+INVESTIGATICA CF GASEOLS DETCNATIONS ANC SPECR WAVEAP — ARL 62-310
NF KIRKENCALL EFFECT IN GASEOLS DIFFUSICN SEP 1959 T — AFOSR TN 59-966
TAINS LIST CF PUBLNCED+ GASEOLS ELECTRCNICS FINAL REPCRT CON — AFOSR 501
PCRTCY 1961 RESEARCH IN GASEOLS ELECTRCNICS INTERIP FINAL RE — AFOSR 1484
IN SCLICTATE AND GASEOLS ELECTRCNICS. PART I . CRYSTA — AFCRC-TR-59-1611
IN SCLICTATE AND GASEOLS ELECTRCNICS. PART II. GASEOU — AFCRC-TN-59-1612
ALCUNTERS+EFFECT CF THE GASEOLS IPPURITIES IN BF3 PROPGATION — AFOSR TN 59-162
FURTHER STLCIES CF GASEOLS ION ACTION CN TRACHEA — AFOSR TN 59-804
ECRY CF THE MCBILITY CF GASEOLS IONS AUG 1960 LANGEVIN+S TH — AFOSR TN 60-865
ICLOGICAL PROPERTIES CF GASEOLS ICNS CCT 1959 SOME B — AFOSR TN 59-1143
CISSOCIATIENNERGIES CF GASEOLS LAO / NCC + LA2C3 PAC NC 203 — AFOSR 4286
I CISSCCIATIONERGIES CF GASEOLS LAC ANC NCC + LA2C3 AND NC2O — AFOSR 2295
ICNATION PRPAPETERS FCR GASEOLS PIRTURES CALCULATION OF DE — ARL F005
F STABILITIES CF THE GASEOLS POLECULES BISE, BITE AND SBT — AFOSR TN 59-1226
CN THE STRLCTURE CF GASEOLS POLECULESCLECULAR STRLCTURE — AFOSR 2677
PRCCESSES IN THE GASEOLS PHOTOLYSIS CPOLYATCPIC MOLEC — ARL-C015
ANC PLLICYNAPICS CF GASEOLS PLASPA AY 4+6 APR 1961 PICRO — AFOSR 1384
CF PICROWAVES IN GASEOLS PLAPYAS EPPERSEC INAGNETIC — AFCRL-62-469
CF THE ELECTRCN GASN GASEOLS PLASPAS WITP ELECTRCN AND — AFCRL-110
STUCY CF PRCCESSES IN GASEOLS PLASPAS WITP THEIC CF A — AFOSR 1399
ANC CCNSTRACTICA CF A GASEOLS RENCNSCINTILLATICNETECTOR — WADC TN 59-103
WITH PAGNETICCCLSING +A GASECLS+CONDLCTICN LINEAR AMPLIFIER — AFCRC-TN-59-589
ELECTRCNICS. PART II. GASECLS+PLASPAPHYSICS JUNE 3C 59 — AFCRC-TR-59-1612
CF STREAPS CFIFFERENT GASSES JUL 1960CART II LANINAR MIXING — AFOSR TR 60-123
CF STREAPS CF CIFFERENT GASSES, APR 1959. LAPINAR PIXING — AFOSR TN 59-977
CATECHOL AMINE LEVELS, GASTRIC SECRETION ANDPECIFIC PSYCHOL — AFOSR TN 60-741
EXPERIMENTAL STLCIES CF GASYNAPICS + JUN 1959 + AND — AFOSR TR 59-65
CLELIBRILP CISSCCIATING GASYNAPICS DEC 1960+ADVANCES IN NONE — AFOSR 49
CISSCCIATING GASYNAPICS FINAL REPORT JAN 1962 — AFOSR 2049
CONCITICNS FOR PACNETC+ GASYNAPICS JUL 1960 + AND BOUNDARY — AFOSR TN 60-963
HASES, THIRC BIENNIAL GASYNAPICS SYPPCSILP NORTHWESTERN — AFOSR TR 60-87
UNE 1, 1962. INSULATED GATE FIELD EFFECT SILICCN TRICDES, J — AFCRL-62-[illegible]

MAJORITY GATE NETWORKS, AUGUST 24, 1961. AFCRL-793
AN INFORMAL CONFERENCE GATLINBURG TENN SEP 1958 AFOSR 1188
LATERALE DEL GATTO CERVEAU ISOLE MODIFICATIONSN AFOSR TN 60-1280
DAL PLOCCLLO+MELLO DEL GATTO CURARIZZATORTERMINATION OF AFOSR TN 59-654
PRESSIONE ARTERICIA NEL GATTO CURARIZZATOON O+TUBOCURARINA AFOSR TN 59-494
FALSA RABBIA DEL GATTO EFFECT OF MESENCEPHALICESIONS AFOSR 1251
DEL SOANC PROPCDRO NEL GATTO MODIANTE STIMOLAZIONELECTTRICA AFOSR 745
GENICCLATOLATERALE DEL GATTO MODIOPERATIVO PRETIGEMINALE AFOSR TN 60-1281
DEL PESENCEPALO NEL GATTO MODIFICATIONS IN THE BEGFTER AFOSR TN 59-829
BLLBO+PERTINCEL GATTO TALAMICO ACUTE EFFECT OF STIMU AFOSR 1252
PRESSIONE ARTERICIA NEL GATTOCHRONIC PARTICIPATION OF EXTRA+AOR AFOSR 1250
A SEMI+ALTCPATIC PCLECO GAUGE BAR 1960 AFOSR TN 60-399
CN DEAC+oEIGHT PRESSURE GSAUGE FEB 1962 AN INCLINED+PIST AFOSR 2189
NON+ABELIAN GAUGE FIELD, RELATIVISTIC INVARIANCE AFOSR 4085
AUG 1961 NON+ABELIAN GAUGE FIELDS. COMMUTATION RELATIONS AFOSR 1409
CONNECTION BETWEEN GAUGE INVARIANCE AND MASS AFOSR 1091
NTATIVES IN QUANTU/ELEC+ GAUGE INVARIANCE AND SPECIAL REPRESE ARL P031
ELCM+SOME REMARKS ABCLT GAUGE INVARIANCE IN THE ISOBARIC MOD AFOSR 4363
AN EROSION GAUGE JUNE 1962. AFCRL-62-660
A HIGH REGULATION ICN GAUGE POWER SUPPLY MAY 1960 AFOSR TN 60-573
MANICS NCTE CN GAUGE TRANSFORMATIONS IN QUANTUM MEC AFOSR TN 60-962
RELATIVITY GAUGE+INVARIANT VARIABLES IN GENERAL AFOSR 972
OF RADIOACTIVECRYSTALLIZATION GAUGES, MAY 1960 + INVESTIGATION AFCRL-TN-60-653
EGRALS FOR AN ALGEBRATED GAUSSIAN GAS CCPPLER CLUSTER INT AFOSR 2618
SERIES+EXPANSION OF THE GAUSSIAN HYPERGEOMETRIC FUNCTION IN AFOSR TN 59-734
BY ACCITIVE GAUSSIAN NOISE AND RAYLEIGH FADINGFP AFCRL-900
PERTURBEE BY ACCITIVE GAUSSIAN NOISENC RAYLEIGH FADING, AFCRL-966
JULY 1959, ENTROPY AND GAUSSIAN+MARKOFF PROCESSES AFOSR TN 59-960
THE TWIN WHEEL LANCING GEAR,DECEMBER 1960 + STUDIES FOR ARL-TR-60-202
O BEAM+ GENERATED BEAM PLASMA SYSTEM MAY 196 AFCRC-TN-60-374
O BEAM+ GENERATED BEAM+PLASMA SYSTEM MAY 196 AFCRC-TR-60-103
IU+ INFRARED RADIATION GENERATED BY A NUCLEAR DETONATION AY AFCRL-474
OF THE SURFACEAVES GENERATED BY A TIME VARYING MAGNETIC AFOSR 2956
VORTEX WITH+A+THE SCLND GENERATED BY INTERACTION OF A SINGLE AFOSR TN 59-1166
SECLENCES GENERATED BY INTERATION 1959 AFOSR TN 59-938
STATE WAVE FLUCTICNS GENERATED BY PROJECTIONOPERATORS I ARL 104
ACCELERATION OF PLASMA GENERATED BY THE HIGHINTENSITY ARC AFOSR 1517
OF THE NOISE GENERATED BY THEURBULENT FLOW AROUND AFOSR TN 59-687
STLEY OF THE HEAT GENERATED DURING ICASECNASCILLATIONS AFOSR 1824
YSIS OF PCLECLLAR BEAMS GENERATED FROM HADRONS + ANAL AFOSR TN 60-518
ION OF ELECTROLYTICALLY GENERATED HYDROGEN PYRCN, JUNE 1962. AFCRL-62-671
BOUNDARY I + SCNICALLY GENERATED MICROSTREAMING NEAR A PLAN AFOSR 2126
CETCNATICN+ GENERATED PLASMAS JAN 1961 AFOSR 705
IONS OF AERODYNAMICALLY GENERATED SOLNDAN 1962 FINAL REPORT AFOSR 2148
NET HYERDPAGNET A SELF GENERATING LIQUID CONDUCTORELECTROMAG AFOSR 9610
A RINGSI +ELECTRICELESS GENERATION AND ACCELERATION OF PLASM ARL 86
WITH ELECTRICELESS GENERATION AND ACCELERATIONOF PLASMA ARL 87
PASEC + PILLIPETER WAVE GENERATION AND APPLIFICATION IN PLAS AFCRC-TN-60-114
IC FIELES CLRINGA + THE GENERATION AND EFFECT OF ELECTROSTAT AFCRL-62-758
ROMAGNETIC WAVES IN + GENERATION AND TRANSPISSICA OF ELECT AFCRL-3C7
C FIELDS GENERATION AND USE CF PULSEC MAGNETI AFOSR 2931
LCLS + ADVANCES IN THE GENERATION AND USE CF VERY HIGHENTEN AFOSR 9632
, FINAL REPORT+ARMCNIC GENERATION AT PILLIPETER WAVELENGTHS AFOSR 1532
CPTIPLP PCWER GENERATION FROM A PCVING PLASMA AFOSR TN 59-515
2. HARMCNIC GENERATION IN FERRITES, FEBRUARY 196 AFCRL-62-76
DS OF HARMCNIC GENERATION IN FERROMAGNETIC ELLIPSOI AFCRL-965
SUBJECTEE + MICROWAVE GENERATION IN YTTRILM + IRON GARNET AFCRL-195
N OF SUBPILLIPETER WAVE GENERATION JUNE 30 59 INVESTIGATIO AFCRC-TR-59-171
CPULSION+ACTATING PCWER GENERATION MACHINERY FOR ELECTRICALR ARL-TN 60-115
N OF SUBPILLIPETER WAVE GENERATION MAR 1 59 INVESTIGATIO AFCRC-TN-59-142
VES 1961 GENERATION OF COHERENT PILLIMETER WA AFCSR 568
MAGNETIC WAVES FCR + GENERATION OF PULTIPOLARIZED ELECTRO AFCRC-TN-60-502
SCLUTICN ELECTROLYTIC GENERATION OF RADICAL IONS IN QUECUS AFOSR 1596
INITY OF THE EARTHCP + GENERATION OF RADIC NOISE IN THE VIC AFOSR 1427
PACCECLRE PCAFFICIENT GENERATION OF SIPPLEST PROCFS IN AFCRL-62-367
CN BY A BLACHED BEAM + GENERATION OF SUB+PILLIPETER RADIATI AFOSR 3420
AND IONIZECCN+FCLILIB+ GENERATION OF SUPERSONIC DISSOCIATED AFOSR 1360
OS INCTA+CN THE THERMAL GENERATION OF TCACICAL PAGNETIC FIEL AFOSR 1306
FLCW BETWEEN EXCENTRIC+ GENERATION OF TURBULENCE IN COUETTE ARL 142
KINGLUIC CPTIPLP PCWER GENERATION USING A PLASMA AS THE SOR AFOSR 59-571
ARTIFICIAL ATMCSPHERICS GENERATION+II, AFCRL-946
ART I. THEORY CPARMCNIC GENERATION, ALGUST 30, 196C. + P AFCRL-TN-60-990
CITIONING STLOYCN+PCWER GENERATION, CISTRIBUTION AND AIR CON AFCRL-389
EECHANICA+DETECTICA CP GENERATIVE AMBIGUITIES IN CONTENT+FR AFOSR 1401
BOUNDARY,+, THE SCNIC GENERATOR AND ASSCCIATED ACCUSTIC AFOSR TN 60-539
PLANECLACDRY I THEORNIC GENERATOR AND ASSCCIATEDCCUSTIC AFOSR 2126
AMPLIFIER AND CCHERENT GENERATOR FCRILLIMETER AND SUBMILLIM AFOSR TN 60-581
PEERS, APRIL 1961. A GENERATOR OF PSEUDO+RANDCM BINARY NU AFCRL-548
AND VISCOSITY CAN PRO GENERATOR WITH SEGMENTED ELECTRODES AFOSR 687
A REVIEW CF RECENT PRO GENERATOR WORK AT THE AVCC+EVERETTES AFOSR 2352
DISTRIBUTICCN SEVERAL GENERATORS JL' CONFIDENTIAL REPORT AFOSR TN 59-328
URE TUNNEL USING PLASMA GENERATORS CEC 1960 HIGH TEMPERAT AFOSR TN 60-1412
ICE CP-SEC STREAM GENERATORS EPPLCYINGEASCNATING OPTIC ARL 62-368
F ALEGEBRAIC GMCLPS + GENERATORS MODIFIED AND CEVERINGS O AFOSR 1307
AND EFFICIENCY CF PRO GENERATORS WITHSEGMENTED ELECTRODES AFOSR 1595
IALS FOR THE PCELECTRIC GENERATORS, JULY 1961. MATER AFCRL-830
HYSICAL ASPECTS PRIMARY GENETIC MECHANISMS + IN THE MICROP AFOSR 977
LARY OF PERN AND CEPA, GENEVA + PERMCRETICAL PHYSICS, AFOSR TN 60-1238
NEL NERVE CTTICC E NEL GENICOLATO LATERALE NELLSCURITA E AFOSR 1248
F NEL CCMPC GENICOLATO LATERALE VARIATIONS IN AFOSR TN 59-464
VISIVA E NEL CCMPC GENICCLATOATERALE DEL GATTC PEDICPON AFOSR TN 60-1281
DELIVERED TCATERAL GENICULAT BCCY LOCALIZATION AND AFOSR 2829
RELATIONSHIP OF LATERAL GENICULATE ACTIVITY TO THELECTRCCORT AFOSR TN 59-837
CN IN THE CAT+S LATERAL GENICULATE BCCY INTEGRATIVE ACTI AFOSR 1982
CORTEX AND IN THEATERAL GENICULATE BCCY IN THE CERVEAU ISCLE AFOSR TN 60-1280
PCTENTIALS IN LATERAL GENICULATE BCCYND VISUAL CCRTEX AFOSR TN 60-1272
IN THE RABBIT LATRAAL GENICULATE BCCYLRING EXPERIPENTAL AFOSR 2908
ANC IN THE LATERAL GENICULATEN THE DARK AND CLRING AFOSR 1248
CORTEX AND CF THEATERAL GENICULTE BCCY + CF THE CCCIPITAL AFOSR TN 59-464
SCIENCE INVESTIGATIONS GENTRLP R NCRTHEASTREENLAND, 1960. AFCRL-62-699
IONS FORCN+ECCENTRICITY GEOCENTRIC CRBITS JLN 1959 + EXPRESS AFOSR TN 59-768
ARZCHILESCLL+A STUDY CF GEODESIC MOTION IN THE FIELD OF SCHW ARL 62-429
VALLE PRECLEMS PHYSICAL GEODESY AUG 59 + OF THE BOUNDARY AFCRC-TN-59-499
N THEORY CF GRAVIPETRIC GEODESY FEB 1959 AFCRC-TN-59-223
SECOND AFCRC MILITARY GEODESY SEMINAR PROCEEDINGS OFEETING AFCRL-TN-60-602
PROCEECINGS OF MILITARY GEODESY SEMINAR, DECEMBER 1958,IR AFCRC-TN-59-261
ECRY OF THE GRAVIPETRIC GEODESYIII' DEC 59 THE NEW TH AFCRC-TN-59-653
AN INCEPENDENTAPPRCACH T GEODESY, SEPTEMBER 1960. + + AFCRL-TN-60-612
DIRECTEC TCWARD GEODETIC APPLICATIONS CRARTIFICIAL AFCRL-62-888
DIRECTEC TCWARD GEODETIC MEASUREMENTS BYOBSERVATIONS AFCRL-62-1017
AMPETRICETERARESULTS IN GEODETIC PHOTOGRAMPETRY III. PHOTOGR AFCRL-62-201
RANGING EQUIPMENT FOR A GEODETIC SATELLITE, MAY 31960. AFCRC-TN-60-465
LOPMENT IN THE FIELC OF GEODETIC SCIENCE,UGUST 1960. + DEVE AFCRL-TN-60-435
PPLTATION CF HORIZONTAL GEODETIC SURVEYSDECEMBER 1960+ FOR CG AFCRL-TN-60-659
ELLITES, PART IILG +THE GEODETIC USE CF ARTIFICIAL EARTH SAT AFCRC-TR-59-276
IN THE ARCTICSEPTEMBER + GEOGRAPHIC DISTRIBUTION OF SPREAD F AFCRL-62-589
TUCIES GEOGRAPHICAL ASPECTS OF COSPIC RAY S AFOSR TN 60-1393
1. TIME AND GEOGRAPHICAL VARIATIONS JUNE 1962. AFCRL-62-1036
LCR EXPANSIONS FRCP THE GEOID OCT 59 + BY PEANSF TAY AFCRC-TN-59-600
OF LUNAR ROCKSLL 1962 GEOLOGICAL AND IMEPRODYNAMIC ASPECTS AFOSR/DRA-62-11
MOTOGRAP+OICLOGICAL AND GEOLOGICAL OBSERVATIONS ON THE FIRST AFCRL-231
FFECT OF TCPCGRAPHY AND GEOLOGY ON TELLLRIC CURRENTSPR 60+ E AFCRC-TN-60-431
MAJOR PLANES AND GEOMAGNETIC ACTIVITY, 1961 AFCRL 1152
TICNSHIP BETWEEN LNICLE GEOMAGNETIC AND AURORALVENTS, 1961. AFCRL-603
ALLEN+THE RING CURRENT, GEOMAGNETIC DISTURBANCE AND THE VAN AFCRL-825
TORPS WITHSPECT TO THE GEOMAGNETIC EQUATOR, AUGUST 1961.+ S AFCRL-1012
CHANGES NEAR THE GEOMAGNETIC EQUATORLRING JULY 1959 AFOSR TN 60-1341
ANCVALLATION CP GEOMAGNETIC FIELD DATA AND ELECTRIC AFCRL-62-1141
RAPIDLUCTLCTIONS IN THE GEOMAGNETIC FIELD DLRING DISTURBANCE AFCRC-TR-60-256
THE PERTLRBATICNSN THE GEOMAGNETIC FIELD IN THE AURORAL AFCRC-TN-59-613
MERIC RADIC+ENCPERA AND GEOMAGNETIC FIELD JULY 1 59 + ATMOSP AFCRC-TR-59-275
TC TRAPPEC PARTICLES,P+ GEOMAGNETIC FIELD PERTURBATIONS DUE AFCRL-420
RAPPED PARTICLES CN THE GEOMAGNETIC FIELC,DECEMBER 1961.+OP I AFCRL-62-217
S*,CVEMBER 1, +STLCY CP GEOMAGNETIC FLUCTUATIONS 11 TO 50 CP AFCRL-62-238
RESEARCH CONCERNING GEOMAGNETIC FLUCTUATIONS,ANLARY 19, AFCRL-269
AND ANNUAL,JLNAL AND GEOMAGNETIC LATITUDE VARIATIONS OF AFCRL-TN-60-628
1959+THE PCRPMELCGY CP GEOMAGNETIC MICROPULSATIONS, PC JUNE AFCRC-TN-59-468
NICE CHARACTERISTICS CP GEOMAGNETIC MICROPULSATIONSPR 1960 AFCRC-TN-60-436
+S ICE ISLAND II+I',RC+ GEOMAGNETIC OBSERVATIONS ON PLETCHER AFCRL-62-1088
. CONTRACT PCR ARCTIC RESEARCH, APRIL 29, 1965 AFCRL-672
. 1960. PRECICTION CP GEOMAGNETIC STORMS + A REVIEW JUNE 1 AFCRL-TN-60-611
CN THE ES VARIATION CP GEOMAGNETIC STORMS + CRITICALSAMINAT AFCRL-1013
LNE THE EARTHPAIL 4, + GEOMAGNETIC STORMS AND THE SPACE ARO AFCRL-209
AVERAGE PCRPMELCGY CP GEOMAGNETIC STORMS WITH SUCCESSIVEMINC AFCRL-293
OF CST VARIATIONS CP GEOMAGNETIC STORMS WITHESPECT TC AFCRL-1012
AVERAGE PCRPMELCGY CP GEOMAGNETIC STORMS WITHUDDEN COMMENC AFCRL-272
SLODEN CCPPENCEMENT CP GEOMAGNETIC STORMS, AUGUST 8, 1961. AFCRL-826
CY CF THE PCRPMELCGY CP GEOMAGNETIC STORMS,CTOBER 1961.+ STU AFCRL-1029
BETWEEN ICNOSPHERIC AND GEOMAGNETIC STORMS,FEBRUARY 1961. AFCRL-168
CPCLAR SCLRCES CF GREAT GEOMAGNETIC STORM,+ THE UNEQUAL AFCRL-62-1030
ENCE TC THE ANALYSIS CP GEOMAGNETIC STORMSPR 1960 + READ AFCRC-TN-60-410
THE RELATION BETWEEN GEOMAGNETIC VARIATIONS AND IMPIRCLLA AFCRC-TN-59-236
CP COSPIC RAY ALBEDCEL+ GEOMAGNETICALLY TRAPPEC ELECTRONS FR AFCSR 877
TERPINECY +LIPETITPES CP GEOMAGNETICALLY TRAPPEC PARTICLES DE AFOSR TN 60-208
CCSPICAY ALBEDC NEUTR+ GEOMAGNETICALLY TRAPPED PROTONS FROM AFOSR 1179
C L01 GEOMAGNETICALLY TRAPPEC RADIATION AU AFOSR 1518
MAGNETIC EFFENTS CP GEOMAGNETICALLY TRAPPECARTICLES MAY AFOSR 9003
THE FINITE GYRCRADII CP GEOMAGNETICALLYTRAPPEC PROTONS + OF AFOSR 3075
LTITUDE CISTRIBUTICN CP GEOMAGNETICALLYTRAPPED PROTCN1+ AND A AFOSR TN 60-747
COMPARED WITH THE GEOMAGNETICATITLDES OF THEIR SOURCES AFCRL-62-284
ABSORPTICN AND RELATED GEOMAGNETICEFFECT, + POLAR CAP AFCRL-594
A SURVEY CP GEOMAGNETISM DECEMBER 1960. AFCRL-TN-60-604
ANIPCLES PCRARMC+CN THE GEOMETRIC CHARACTER OF SINGULARITY M AFOSR 1409
CES MAR 1960 GEOMETRIC CONSTRUCTION CP OPTIMUM CO AFCRC-TN-60-101
N ABSTRACT PCMCTCRY AND GEOMETRIC MOMCTCRY1959 + BETWEE AFOSR TN 59-126
INOS PAZIPLP PRINCIPLE+ GEOMETRIC INTERPRETATION CP PENTRJAG AFOSR 1751
MAJORITY LCGIC BY GEOMETRIC METHODS, JULY 13, 1961. AFCRL-792
E, JANUARY 1961. GEOMETRIC OPTIC IN LOGARCHYSRII SPAC AFCRL-112
AVEETWORK+ACN+ELCLICEAN GEOMETRIC REPRESENTATIONS PER MICROW AFCRL-62-500
ICN IN ELECTRICALNGINE+ GEOMETRIC+ANALYTIC THEORY CP TRANSIT AFCRC-TN-59-101
.OWER,+SURVEY CN RECENT GEOMETRIC+ANALYTIC WORK ON IMPEDANCE AFCRC-TR-59-146
MAGNETIC STORMS THEIR GEOMETRICAL AND PHYSICAL ANALYSISNO AFCRL-824
ICN OF THE BEYLEAFCRPA+ GEOMETRICAL AND PHYSICAL INTERPRETAT ARL 98
RNING OF LIGUIC CROPS GEOMETRICAL CONSIDERATIONS IN THE BU AFOSR 2994
THEORETICAL STLCIES CP GEOMETRICAL CONSIDERATIONSCR ICNOSPH AFCRL-189
962. GEOMETRICAL HYDROPACETICS, AUGUST 1 AFCRL-62-704
BIBLICGRAPHY CN GEOMETRICAL METHCES IN MOBERNPHYSICS AFCRL-62-24
BIBLICGRAPHY CN GEOMETRICAL METHODS IN MCERNPHYSICS AFCRL-1109
BIBLICGRAPHY CN GEOMETRICAL METHODS INGCERN PHYSICS AFCRL-1121
CIRCMAGNETIC THEORY AND GEOMETRICAL OPTICS,FEBRUARY 1962;+ELE AFCRL-62-34
THE PIELC APPLITLDE IN GEOMETRICAL OPTICS,LGUST 1960. + FUR AFCRL-TN-60-967
TP APPLICATIONC +CN THE GEOMETRICAL THEORY CF DIFFRACTION WI AFCRL-TN-60-1138
PRIL 1962. GEOMETRICAL THEORY CF DIFFRACTION, A AFCRL-62-195
XPANSIEN CCEFFICIENT CP GEOPETRICALOPTICS, PAY 1961.+ON THE E AFCRL-342
PLTER CLASSIFICATION CP GEOPETRICINE PATTERNS 1962 + COM AFOSR 3201
R VARIOUS INITIALRELEASE GEOPETRIES, JANUARY 161. + PO AFCRL-207
, CTCBER 1961, SYNCH+S GEOPETRIZATION CP MECHANICS A PRECIS AFCRL-1122
+ THEOREP IN RIEMANNIAN GEOPETRY THE INDE AFOSR 3300
UANTUMECP+*DIFFERENTIAL GEOPETRY AND LAGRANGIAN METHODS IN G AFCRL-TN-60-1131
R, JULY 1, 1962 SLANISE GEOPETRY ANE THE OPTICAL EXPTH FACTO AFCRL-62-670
CHINES WITH VARIABLEALL GEOPETRY AUG 1959 + IN AXIAL TURBCMA AFOSR TN 59-680
S CISCHARGE WITHCRCICAL GEOPETRY AUG 1961+CN AN ELECTRODELES AFOSR 1625
1962 ALGEBRAIC GEOPETRY FINAL REPORT AFOSR 2073
OL AND CF P. T.LIN+NAVE GEOPETRY IDEAS CF THE PIRCSHMA SCHO AFCRL-62-06
CP COPPLSTICN CHAPPER GEOPETRY IN HIGHREGLENCY OSCILLATION AFOSR TN 60-393
CF COPPLSTICN CHAPPER GEOPETRY IN HIGHREGLENCY OSCILLATION AFOSR 3399
MATHEMATICALNGINEERING+ GEOPETRY IN THECATTICAL PHYSICS AND AFCRL-1108
TCRCOLEPS CP NCN+PLANAR GEOPETRY JAN 1961+ BALANCE INTEGRAL AFOSR 57
CN IN A PACNETIC PINCH GEOPETRY JUL 1964+PITCH ANGLE DIFFLSI AFOSR 1345
THE QUANTIZATION CP GEOPETRY NOV 1960 AFOSR 3491
THE UNIT CIRCLE+CN THE GEOPETRY OF PLACTICAS HCLCMCRAPHIC IN AFOSR 589
CT 1961 THE GEOPETRY OF INTERSECTING LATTICES. O AFOSR 1506
CONSICERATICNS CN THE GEOPETRY OF LCN+ANGELSLOCATION BOUND AFOSR 4006
CN THE GEOPETRY OF PINACWSKI PLANES 1960 AFOSR TN 60-436
1961 APPLICATICA CF THE GEOPETRY OF CLACRICS FORCNSTRUCTING AFCSR 931
THE APPLICATICA CF THE GEOPETRY OF CLACRICS TO THECNSTRUCTI AFOSR TN 59-796
IELC+ALIGNECRREGLLA+THE GEOPETRY OF RADIC REFLECTICAS FROP F AFCRL-62-303
VE NETWORKS, PAY + THE GEOPETRY OF REPRESENTATIONS FOR ACTI AFCRL-544
CF THE PCUNDATICNS CP GEOPETRY WITHIAKE SYSTEP CP SYMBOLIC AFCRL-704
SHCCA TLRE CPECTANGLLAR GEOPETRY, JUNE 1961.+ DRIVEN TYTPE AFCRL-607
IN MODELS CP HYPERBOLIC GEOPETRYULY 7, 1962.+ AND CAYLEY+ALE AFCRL-62-940
CN IN THE ARCTIC OCEAN+ GEOPHYSICAL AND OCEANOGRAPHIC RESEAR AFCRL-TN-60-425
AILY VARIATION CPESCA + GEOPHYSICAL ASPECTS CF COSPIC RAYS D AFCRL-TN-60-614)1'
AILY VARIATION CF PESC+ GEOPHYSICAL ASPECTS OF COSPIC RAYS D AFCRL-TN-60-614)11
PARCH 31, 1962. GEOPHYSICAL ASPECTS OF COSPIC RAYS, AFCRL-62-657
EAN DRIFT SATATCAS,S5?+ GEOPHYSICAL DATA FROM U.S. ARCTIC OC AFCRL-62-603
CN HARMCNIC ANALYSIS CF GEOPHYSICAL DATA WITHPECIAL REFERENC AFCRC-TN-60-410
RADIC EPPISSICNS AND GEOPHYSICAL DISTURBANCES DLRINGJULY AFCRL-449
E CURING 1961ARCH 1, + GEOPHYSICAL EXPLORATIONS IN AEROSPAC AFCRL-62-1161
PORT,OLLPE +RESEARCH IN GEOPHYSICAL PLUIC CYNAMICS, FINAL RE AFCRL-616
AS CBSERVEC AT PIRLNA GEOPHYSICAL CBSERVATORY, FEBRUARY AFCRL-562
VII'ECCRCEC AT PIRLNA GEOPHYSICAL CBSERVATORY, JANUARY AFCRL-62-379
III' PACE AT PIRLNA GEOPHYSICAL CBSERVATORY,EBRUARY 15, AFCRL-51P
92' PACE AT PIRLNA GEOPHYSICAL CBSERVATORYPRIL 30, AFCRL-62-702
EY,PR+THE INTERNATICNAL GEOPHYSICAL YEAR WCRLD PAGNETIC SURV AFCRL-62-439
TRITILM GEOPHYSICS AFOSR 2162
RATION, JLNE 3C, 196C. GEOPHYSICS AS APPLIED TC LUNAR EXPLO AFCRL-TR-60-409
IN A STATIC AND CLASI+ GEOSTROPHIC ATMCSPHERE, JUNE961. AFCRL-808
VES, APRIL 1961. NCA+ GEOSTROPHIC THEORY CP ATMCSPHERIC WA AFCRL-689
HEIGHTIFFERENCE AND GEOSTROPHIC VCRTICITY, PEBRUARY AFCRL-TN-61-044
CP PEAN PCNTHLY GEOSTROPHIC WINC VECTORS AS AUNCTION AFCRC-TN-59-260
OF ANALYSIS OF SLAPACE GEOSTROPHIC WINCS INCUNTAINCUS REGIO AFCRC-TN-59-413
CF A SYSTEP CF GEOSTROPHICALLY BALANCEDCRCGNOSTIC AFCRL-274
T AND PRELIPINARYSPERI+ GENERATION CP A STRONGLY SWIRLING JE AFOSR 2552
CF THC THCRILP GERMANIDE PHASES WITHCMPOSITIONS AFOSR 1384
PLITTING CF ANTIPCNY IN GERMANIUP VALLEY+CRBIT S AFOSR TN 60-709

BILITY CONDUCTION IN•TYPE TRANSPORT PHENOMENA IN CRIZATION IN ZINC•DOPED EFLECTIONS. I.NCE)•A•TYE NOISE IN SINGLE•CRYSTAL REPISTRY OF SILICON AND OPTICAL CONSTANTS OF ISTANCEEFFECTS IN N•TYPE ELECTRONPROPERTIES OF NSPUTATION•COPPER ••TYPE N BAND IN IPPURE N TYPE TRON TRANSPORT IN SPONE ON THE PIALAC• ACC IN STUDY OF A CONTINUOUS AND THE MECHANISM OF AND THE MECHANISM OF AND THE MECHANISM OF F PROTONS BY BIS IN THE IN SOME POPULATION II A CTION MECHANISMS IN RED A STATIONARY ATIONARY NONEQUILIBRIUM ATED COPPOLNES BYYTILLS OF THE CHAPPERLIN METEOROLOGICAL AND ICE ISLANCIT•3'ARCH • C SHOW IN ARCTI•APPLIED IN THE BRAIN, PAPPARY TC EITPER WHITE CELLCN S IN THE RECOVERY AFTER WITH ALLPINA•PPRECIPATED ES PETAL•TC• CN OF HYDROGEN ATOMS CN AE IN POLYCRYSTALLINE) 1962 THE REACTICA CP PP OF TWELVING SCLIBREL FOR A ALOSING RCLE CF SHIP BETWEEN MELBCN AND IN VITRC CELLA E CRDITO AN EGLILIBRIUM TANGLESN THE EASY 62 INVESTIGATIONS IN ICNS OFIFFERENTIAL • CN CT 59 N THE • NEUROPHYSIOLCGY YPERSURFACE•CN LCCAL AND STEP CN THELANE CN THE E LATERAL THALAPLS AND LES JUNE 19 59 ART 1962. THE GREEN PRIL 1962. THE GREEN AGNETIC PISTON • A EC ACER ARRIVAL IN THEREEN DATA PROJECT GREEN C ANDP•CETERMINATION CF SELECTIVETERMINATION CF OSCPAL • THE EFFECT CF MEASUREMENTS CF PETABOLIC CONTROL CF B• LEVEL OF IOCSCPAL OCLND CALC•MICALNO•YEAST B• ICES WITH•PPLICATIONS TO RACELLULA•THE ACTION CF 2 FORMATION CF GLORYSTAL CF N•CARBAMYL •GLYCINE SULFATE ANCRI• PERCELECTRICITY IN THERMAL STUCY CP TRI• 13,5•DINITRC•2•THIENYL' INCORPORATEN INITRC CF EOPCELECTRIC PHASEUCP) CP N•SLOSTITYLTEC CELL CONSTITUENTS FROP MICROBIAL CXIDATION CF YCSYNTHETICPRODUCTICN CF Y TITRATICN WITH•IPE)•YL PREPARATION CF ETHYL ITS ENZYMICREDUCTION TC ATION AND PROPERTIES CF YCPPAROXINE SPECIES FROM PROPIPLITAMECLS AN• NECUS AN•EPC•IA AND AN• STANCE COPPLTEN CP•3DA• WING PEATLRING SE AN• OAC TO A NEW TYPE CP EP S PER ORBIT•RESEARCH IN CP WLP PACIC ACISE AT EARTH CURRENTS AT SALTWOLP, CERMANY, AND NS AND WLP PHENOPENA AT SALTWOLP, CERMANY, AND THE BRIGH SOLIC SOLLTCAS CF ABSORPTION STLCY OF CTROCHEMICAL BEPAVICLON N•BOUNDARY EIPPLSION CF THE PHOTCAEUTRONS FROP SURFACE FREE ENERGY CF IRIDIUP, PALLACIUP AND PROPERTIES OF SOLID THE REACTION OF OLIDECO CN A PECIPIBC BETWE• AL TACTS CN THEUCLEI OF SUI NUCLEI EI CP NEW PHOTOELECTRIC THE NOLPECROVY TESTS CP ORIENTATICNS PROFILE) ORIENTATICNS PROFILE) NC THE SCLARC•RECTLEIN• LCN TEMP, D BOULEIN / D L BARASIPPA BAG, WALTER HARMONIC FUNCTICNS IN SICN, 19 PAY 1962 SICN, ELATI•OCLATICNS SICN AND PEPOPPATICN CP ENTU•PUPTPER STUCIES OF GERPANIUP • EFFECT OF SHEAR ON IPPU GERPANIUP AND INDIUP ANTIPENICINAL GERPANIUP AT LCWTEMPERATURES)1961•'1 GERPANIUP CUR 12.2.2' DCUBLE X-RAY R GERPANIUP FILAMENTS PAR 1960 U-F GERPANIUP HYDRIDES AUG 1959 THE C GERPANIUP IN THE REGION, 0•10 EV. GERPANIUP PAR 1960 • PAGNETORES GERPANIUP SEPICONDUCTORS AT HELIUP GERPANIUP•IPPLRITY CONDUCTICN IN TRA GERPANIUP•THE TAILING OF THECONDUCTIO GERPINATION ELEC GERST SYNTHESIS TECPNIGUEECEMPOER GESTATICN PARTUBITION AND PILK EJECT GETTER AT HIGH AMBIENTEMPERATURES GETTERING PULTIPLECPPONENT GASES, GETTERING PULTIPLECPPONENT GASES, GETTERING PULTIPLECPPONENT GASES, GIANT RESONANCE REGICNEP 1962 • O GIANTS ABUNCANCES GIANTS CEPPENTS CN PASS EJE GIBBSIAN ENSEPBLE JLL 1960 GIBBSIAN ENSEPBLES ST GILL PLATES • AND REL GLACIER, 1958, PAY 1960. GLACIELCGICAL AND GLACIELCGICAL STUCIES ICE RISE STATI GLACIELCGICAL STUCIES CN FLETCHER•S GLACIELCGY•THE LTILIZATION CF ICE AN GLANCND TESTIS, ANNUAL SUPPARY REPOR GLARE • OF SLASITIVITY SLOSEQUENT GLARE CN THE INCIVIDUAL CIFFERENCE GLASS PAPER • ON ALUMINA STUDIES GLASS VACUUM SEAL FCR LCW TEMPERATUR GLASS• AND PASS TRANSFER,•ECOPPIATI GLASS•FREE' CERAPICSAY 1959 • FAILU GLASSES,YROLYTIC GRAPHITE, AND SELEC GLAUCOMYS VOLANS DEC 1960 • RHYT GLIA IN THE TCAGETINA, ELECTRCN GLIA• STORAGEME BICCMPICAL RELATION GLICINA•1•14 NELLE PROTEINE) PEGATO GLIDE JUN 1961 • FROM A SATELLIT GLIDE RANGE CF ALUPINUP PARCH 1962 GLOBAL ANALYSIS FINAL REPORT JUNE 19 GLOBAL ASYPPTCTIC STABILITY OF SOLUT GLOBAL FALLOUT AND ITS VARIABILITY C GLOBAL OR UNITARY RESPONSESBSERVEC I GLOBAL PROPERTIES CF CONVEX SETS AND GLOBAL STABILITY OF AN AUTCPROUS SY GLOBULSALLIDUS IN THE WARING HUMAN• I LES JUNE 19 59 GLOW CATHODES IN PULSEC PAGNETIC PIE GLOW DIFFUSICN PROGRAM, VCL. I, JANU GLOW DIFFUSICN PROGRAM, VCLUME II, A GLOW PODEL CF THE PERMATION OF THE A GLOW PROGRAM PAY 1961, • TIME CF TR GLOW•GLUME I, JUNE 1960. • GLUCOSE IN BLOOD SERUM BY A NEW RAPI GLUCOSE IN SERUP, PLASPA OR BLOOD GLUCOSE REPRESSION CN THE LEVEL OFIB GLUCOSE UPTAKE AND BLOOD FLCWA NELRO GLUCOSIDASE SYNTHESIS IN YEAST GLUCOSIDASN • REPRESSION ON THE GLUCOSTIBASE COPPARISON OF THE PHYSI GLUSSIAN PROCESSES PAY 1961• CN RATE GLUTAPATE AND THE PROBLEP OF THE,EXT GLYCERATE FROP CHALATE BY PSEUDOMONA GLYCINE • CF AN IRRADIATED SIN GLYCINE FLUCBERYLLATE • STUCY OF TRI GLYCINE SILVER NITRATE GLYCINE SULFATE ANCRI•GLYCINE FLUOBE GLYCINE• N•SLOSTITUTED GLYCINES,I.N• GLYCINE•1•14 C IN THE PROTEIN OF GLYCINE' 3. P2SC4•STRUCTURE OF THE F GLYCINES,I.N•13,5•DINITRO•2•THIENYL' GLYCOLLATE BY PSEUDOPOMP • OF GLYCOLLATE VIA A DICARBOXYLICCID GLYCOLLIC ACIE BY CHLORELLA NOV 1961 GLYOXIME REAGENT • OF NICKEL B GLYOXYLATE OF ETHYL BROPOACETATENC GLYOXYLATE• CF CRALYL•COENZYPE A AND GLYOXYLIC DEHYDROGENASE • S.UNIFIC GPO•1 ASCENTS CCPPUTED ELECTRONICALL GPO•1A AND AN•GPC•2 WINDS•ALOPTOSERV GPO•2 WINDS•ALOPTOSERVATIONS NOV 59 GPO)30•1'PR 60 • OF VISUAL DI GPO•20 IV' SYSTEP EVALUATION,ECEMBER GNERATOR,EPTEPBER 19, 1963. • MAY L S PER ORBIT•RESEARCH IN CP WLP PACIC ACISE AT GODDAVN, GREENLANDEPTEPBER 1962. GODDAVN, GREENLANDNE MAGNETIC DISTUR GODDAVN,REENLANC, PARCH , 1960 GODDAVNREENLAND JULY 1 99•CP WHISTLE GODDAVNREENLAND, OCTOBER 1, 1960 GOITROGENIC ACTIVITY OF PERCHLORATE GOLD AND NICKELAR 1959• INCA•EQUILLI GOLD ATOPS ON NOLYCBCRUP GOLD ELECTRODES DEC 1961 • ELE GOLD IN COPPER GRAI GOLD JUL 1960 ENERGY SPECTRUP OF GOLD JUNE 1960 STUDIES ON THE GOLD SURFACES • ON PLATINUP, GOLDONICKEL ALLEYS FINALEPORT JUN GOLDPSH TO ROTATION IN AENTRIFUGE GOLOSTCNE EQUATION PEB 1960 GOLL AND BURDACH • CF THE PYRAPID GOLL ET OVARDACH INCIDENCY INFLUENCE GONIOMETER OPB AUTCPATICECCRDING OF GOODNESS OF FIT 1960 • POWER CF GOP' THE GENERAL GOP•.• VALIDATION STUDY THE GENERAL GORDON EQUATION APR 1962 • A GORDY 18BST OF PAPERC BE POES WASH GORDYELECTRON SPIN RESONANCE IN A GOUR BARIABLES WITH ALGEBRAICNO GOUY DIFFRACTOMETRY IN THERPAL DIFFU GOUY INTERFEROPETRY IN THERPAL DIFFU GOVERNING THE PROPAGATION OF SECOND• GP I IN AL•O I 7 AT CL AUG 1961 REVER GP I ZONE FORPATION IN AL•O2 AT PER C GRACE•S THECREP CN THE ZEROS CF POLY GRADE SILICEN FROP SILANE CHALOGGOUS GRADE SILICEN VIA THE ICOIDE PROCESS GRADIENT • RESEARCH ON PLASPA ACCEL GRADIENT A RACIC•FREQUENCY PLASP GRADIENT APR 10 60• CF REFRACTICNAVE GRADIENT APR 1962 LINEARIZZEC PR GRADIENT ATPCSPHERES ON RECATAY GRADIENT DEC 1961 • AND PASS TRAN GRADIENT ELECTRIC FIELC,EP 1962 • AC GRADIENT FEB 195 • SUBJECTED TC A GRADIENT JUN 1960•ELECTRIC FIELCEPI• GRADIENT OCT 1961 • PLASPA BY THE A GRADIENT ONDUNDARY LAYER TRANSITICN GRADIENT•WING IN SUPERSCNICLOW WITH GRADIENT,ECEPBER 1960 • TRANSFER,PAS GRADIENTPARAPETER B, DEC. 1959• DESIG GRADIENTOUNDARY LAYER EQUATIONS GRADIENTPROFILES, CECEPBER 1, 1962. GRADIENTS)PISPINTED APOSR TN 59•12 GRADIENTS JAN 15 1959 STUCY OF FOR GRADIENTS JULY 1960 • FOR STRONGAVOR GRADIENTS ON GALVANCMAGNETICEFFECTS GRADIENTS OVER ANNSULATED SURFACE GRADIENTS I JULY 1961 • PLASPA OSCI GRADUATED PARTIAL CURING CN THE LEAR GRAIN BOUNDARIES IN INCIUP ANTIMONIC GRAIN BOUNDARIES IN METALS IN A TEMP GRAIN BOUNDARIES ON THE PECHANICALBO GRAIN BOUNDARY COHESION AND SOLUTE•C GRAIN BOUNDARY DIFFLSION PROBLEP.PPR GRAIN BOUNDARY MIGRATICN APR 1962 GRAIN BOUNDARY MIGRATION IN PLASTICA GRAIN BOUNDARY MIGRATICAN CREEP DEC GRAIN BOUNDARY SLICING IN CREEPED GRAIN BOUNDARY SLICING VERSUS GRAIN GRAIN BOUNDARY STRESS RELAXATION AND GRAIN GROWTH IN ZCNE•REFINEC LEAC.CT GRAIN SIZE EFFECTS CN THE THERPAL CO GRAIN•BOUNDARY DIFFLSION BY ELEC•TRO GRAIN•BOUNDARY DIFFLSION JULY961• DI GRAIN•BOUNDARY DIFFUSION OF GOLD IN GRAIN•BOUNDARY MIGRATION IN LIF BICR GRAINED CERAPIC OXICES FOR USE INHER GRAINS• ELASTIC THERPAL STREETH APPL GRAPPARS OF PHRASESTRUCTURE LANGUAGES GRANNIS,LECTACSIATIC EROSICN PECHANI GRANULATION IN HEARTS CFYCLCSTOMES GRANULEF THE ADRENAL MECULLA•STORAGE GRANULES • PROPSCLATED NE GRANULES NCRADRENALINE RELE GRANULES UPTAKE OF CATECHOLAMI GRANULES • RELEASE CFOADRENALINE FR GRANULES OF SPECIFICELLS IN CYCLCSTO GRANULES OF THECRENAL MEDULLA IN GRANULES•DOPAMINE AND 5•HYCROXYTRYTA GRAPH OR AIPPLE DERIVATION OF COATES GRAPH TECHNIGLE FOR THE SOLLTION CFU GRAPH THEORY FOR LINEAR TIPE•VARIABL GRAPH THEORY NCV 1960 NO GRAPH THEORY TO PROBABILISTICPMUNIC GRAPH THEORY TO SCLLTION OF SCPE SYS GRAPH THEORY, CONNECTIBITY ANDEDACI GRAPHEPRESENTATICN CF SYSTEPS AND GRAPHIC STERCTAXIC LOCALIZATICN GRAPHIC TECHNIGUE PAY 1961 GRAPHICAL METHCES.. FUNCTIONAL BEHAV GRAPHICAL METHCES.I. SOPE COPPUTER GRAPHICAL SOLUTION CF SHOCK EQUATION GRAPHITE ELECTRCDES IN SOLLTICF GRAPHITE RESISTANCE HEATER FOR A HYP GRAPHITE, AND SELECTED REFRACTORIES GRAPHITIZED CARBON BLACK•MECH, ARGON GRAPHS • IN GRAPH THEORY, CONNECTB GRAPHS FOR USE IN AEROSOL PHYSICS. P GRAPHS FOR USE IN AEROSOL PHYSICS. P GRAPHS OF DIFFERENT TOPOLOGY INTE GRAPHS OF THE REAL AND IPAGINARY PAR GRAPHS,CHEPPER 21, 1960 • O A SPIRAL• GRATING ARRAY, AUGUST 23, 1960. GRATING PAR•INPRARED INTERFEROPETER GRATING RESOLLTICN AT A .5 PICRONS I GRATINGS AS FILTERS JULY 30 59 GRATINGS PAR 1959 • CONTROLLED RULIN GRATINGS UNDER INTERFEROPETRICONTROLL GRATINGS, FINAL REPORT, DECEPBERI, GRAVELS FROP THE CENTRAL ARCTIC OCEA GRAVIPETRIC GEODESY FEB 1959 GRAVIPETRIC GEODESY)II' DEC 59 GRAVIPETRIC GLANTITIES AT ANYLEVATIO GRAVIPETRIC GLANTITIES AT HIGHERLEVA GRAVIS • STUCY OF THE NEUROPUSCUL GRAVITATING PLASPA PEB 1961 GRAVITATION CN SUPER•POTENTIALS IN GRAVITATION AND ELECTROPAGNETISN AUG GRAVITATION FIELD AT HIGH ELEVATIONS GRAVITATION 1961 PART IIDEPPOTENTS A GRAVITATION, FEBRUARY 1961. GRAVITATIONAL FIELC IN GENERALRELATIV GRAVITATIONAL FIELC JUL 1961 • ELECT GRAVITATIONAL FIELC THEORY JUNE960 GRAVITATIONAL FIELCINTERACTING WITH GRAVITATIONAL FIELCS, GRAVITATIONAL PROPERTIES CF ANTIPATT GRAVITATIONAL RACIATION BY A PETHCD GRAVITATIONAL RACIATION BY A PETHOD GRAVITATIONAL RADIATION THEORY GRAVITATIONAL RADIATION THEORY, GRAVITATIONAL RADIATION TO PAY 1962 GRAVITATIONAL RACTATION, GRAVITATIONAL RADTATIONMEORY AUGUST GRAVITATIONAL THEORY, SEPINAR PORMED GRAVITATIONAL WAVES GRAVITATIONAL WAVES BY ELECTROPAGNET GRAVITATIONAL WAVES PARCH 1959 GRAVITATIONAL•ELECTROPAGNETIC COUPLI GRAVITY AND ACCELSTICAL WAVES GRAVITY AND THEIR ACCUPACYLGUST

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II, APRIL 1962. THE GREEN GLOW DIFFUSION PROGRAM, VOLUME AFCRL-62-251 III*
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PATTERNS CN THE GROUND CAUSED BYCNCSPHERIC IRREGULAR AFCRL-401
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2 A BIBLICGRAPHY CF GROUP II•VI COMPOUNCS VCLUPE II, 196 AFCRL-62-917II
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62 A BIBLICGRAPHY CF GROUP III•V COMPOUNCS VCLUPE III, 19 AFCRL-62-917III
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5962 A BIBLIOGRAPHY CF GROUP IV ELEPENTS ANC THEIR COMPOUND AFCRL62-917IV
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CA PER THREE+DIMENSIONA+ GROUP VELOCITY AND ENERGY PROPAGATI AFOSR 2461
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ETWEEN CELL PLASMAS AND GUIDEDELECTROMAGNETIC WAVES II + A AFCRL-TN-60-1157
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ANC REVERSION OF GUINIER+PRESTON ZONEN ALUPIUM+BASE AFOSR 962
SILVER ALLOY GUINIER+PRESTON ZONES IN AN ALUMINUM AFOSR 4027
ANGLE SCATTERING FROM GUINIER+PRESTON ZONES INFORMED AFOSR TN 59-1083
GLE CRYSTALS CONTAINING GUINIER+PRESTONZONES DEC 1958+ OF SIN AFOSR 1127
CH AND+BRIDGES OVER THE GULF BETWEEN MANHACHINE+SYSTEMSEAR AFOSR 629
CF AN ELECTRON GUN FOR THE PRESUREPENT OFDENSITY AFOSR TN 60-81
LISATION CF A MOLECULAR GUN OR COSMIC WINDTUNNEL + 1959, REA AFOSR TN 59-1292
CF SOUTHAPPICNYPERSONIC GUN TUNNEL APRIL 1961 + UNIVERSITY ARL 144
FALIZATION CF ACCELCLAR GUN+AND RELATIVELY GREAT DENSITY + R AFOSR TN 60-906
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N TYPE CF CROSSBE+FIELD GUN,UGUST 1960. + WITH A NE AFCRL-TN-60-1120
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CN FARRADSCATTER CF H . F. RADIOWAVES FROM OPENAD COASTA AFCRL-TN-60-987
APISSICAS PCRREE IN THE H / 03 ATOMIC FLAME AUG 1959 + RADIC AFCRL-736
ERIC SPICULES . JULY59+ H ALPHA AND C3 PROFILES IN CHROMOSPH AFOSR TN 59-746
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STUCY CF THE H ATOPPHCRUS AICPIC FLAPEEPTEPBER 20 AFOSR 1107
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PHOTOPRODUCTICA CF H CENTERS AT 150K AFCRL-TN-60-651
OF J S LOPEAT AND H E POSESN THE DECOPPOSITION AND REP AFOSR 2466
C, APR 1958. P ALPERIN, H PREGORYIEC PERGAMON PRESS NY 1959 AFOSR TR 59-94
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CF THE RANCOM VARIABLE H N. TECHNICAL SUMMARY REPORT, I JAN AFOSR TN 59-672
PYL PYRONE C CIPETHYL A H PYRAN 4 ONE + SALTS OF 2 6 DIPET AFOSR 3640
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T EJIRA, J P +101+, H H ROBINSON PAS SYPP ONME RELATION B AFOSR 3994
IN ANISYMMETRIC PLCN +, H SOGIN VURALSKAY + PROP DERM AFCSR 3594
RELATIONSHIP BETWEEN CO H STRETCHING FREQUENCY ANDELECTRONEGA AFOSR TN 60-78
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ERSE OF A THEOREM OF P. H. BING AND ITSGENERALIZATION A CONV AFCSR 927
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SHIFT CF H.F. TC S. H.F. RADIO WAVESETURNED FROM THE AFCRL-62-86
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S CP VELCCITY NEAR • MEASUREPENT OF TWO•POINT CORRELATION
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LECULES, MEASUREPENT OF WEAK ABSCRPTION BY MC
TECPAIQUE FCR THE MEASUREPENT CFEPPERATURE IN TRANSPAR
AN ELECTRCN GUN FCR THE MEASUREPENT CFENSITY AND TEPPERATURE
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E PHOTOGRAPPETRIC CLCLD MEASUREPENT PROGRAP,ECEPBER 1960,•TH
CLCGICAL ECLIPPENT,LGL• MEASUREPENT RANGE REQUIREC CF METEOR
LLISTICSSILE RADIATICN MEASUREPENT RESLPE II, JANLARY 1961.
ANALYSISNC ACPITTANCE MEASUREPENT SYSTEP JUNE 1C, 1961.
E•NICTH FERROPAGNETSAY• MEASUREPENT TECHNIQLE FCR NARROW LIN
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C • PROBABILITY CENSITY MEASUREPENT WITH AN ELECTRODE MOUNTE
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R SIGNALS,LNE 1961.•IL' MEASUREPENTS ANC ANALYSES CP WHISTLE
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OF FIELC STRENGTH MEASUREPENTS ATFREQUENCIES ABOVE 3G
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III ICNCSPHERIC MEASUREPENTS BY PEANS OF SIGNALS
PEARSAY 1•PETECR TRAIL MEASUREPENTS BY RADIO ECHC DETECTION

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ARL-2045
AFCRL-TN-60-612
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ARL 62-376
AFCRL-62-857
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T • IU' RADIO FREQUENCY MEASUREMENTS PINEPLY 1960 TESTS,UGUS AFCRL-758
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IU' A SUPPARY CP RADIO MEASUREMENTS POR PINEPLY 1959SMOKEPU AFCRL-TN-60-617
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IENTIFICE•IU' RADIATION MEASUREMENTS POOP MAJOR MISSILES, SC AFCRC-TN-60-409
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BOLLENT JET APR 1962 MEASUREMENTS IN A TWO•DIMENSIONAL TU AFOSR 2456
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NIC ANIPALSSI•IPPEDANCE MEASUREMENTS IN BRAIN TISSUE OP CHRO AFOSR 2206
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IL' AIRECRAE GAPPA•RAY MEASUREMENTS JULY 1960 SECRET RO AFCRC-TR-60-175
ENT PCREACSPHERE CIRECT MEASUREMENTS JULY 1962. • EXPERIM AFCRL-62-845
SE CPCTCOER•STUCIES AND MEASUREMENTS PACE OF THE SCLAR ECLIP AFCRL-150
METHODS CP TEMPERATLRE MEASUREMENTS PARI961 SPECTRCSCCPIC AFOSR 286
CLATION PRCP LABCRATCRY CCTCOER 1961.• DYNTRA P AFCRL-1070
IL' BISTATIC ECHC ALEA MEASUREMENTS CF A BALLISTIC MISSILE! AFCRC-TN-59-556
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ICCN DEC 15 1958 MEASUREMENTS CF BULP LIFETIPE IN SIL AFCRC-TN-59-110
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EFFECT CP GLARCING CN MEASUREMENTS CF CIELECTRIC LOSSN ARL 2033
TS PAR 196C ANELASTIC MEASUREMENTS CF CIFFUSION CCEFFICIEN AFOSR TN 60-203
N ICNIZEC GAS PICROWAVE MEASUREMENTS CF ELECTRCN CONSITIES I AFOSR 1730
ERRESTRIAL PARTICLESAN• MEASUREMENTS CF FLUX OF SPALL FRTRAT AFCRC-TN-59-647
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E IN THE• • IRRADIATION MEASUREMENTS CF THE EARTHS ATMOSPHER AFCRL-423
IC,O'•EANCE•SPECC•TLOE MEASUREMENTS CF THE F•NUMBER FOR THE AFOSR TN 60-666
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9 ELECTRCSTATIC PRCPE MEASUREMENTS CF THE ICNCSPHERE NCV 5 AFCRC-TN-59-654
SCLRCE PACH MEASUREMENTS CF THE PROJECTECNTENSIT ARL 227
HE CETERPINATICN CPEPR• MEASUREMENTS CF THE SUN•S LIMB FOR T AFCRL-TN-60-870
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LUNAR TCPCGRAPHY, VII. MEASUREMENTS CF THREIGHT CF THE AFCRC-TN-60-271
PCP P RING LCCAL MEASUREMENTS CF THECNDUCTIVITY ANC AFOSR 365
TIES PURRYCE•SPECC•TLOE MEASUREMENTS CF TRANSITICN PROBABILI AFOSR TR 60-59
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S 1 APR 1959] • CCPPLER MEASUREMENTS CN ARTIFICIAL SATELLITE AFCRC-TN-60-773
NG SPHERES IN THER•CPAG MEASUREMENTS CN CIRCULAR CYLINDERS A ARL 53
GICAL•PRECISICN GAVALLE MEASUREMENTS CN FREEADICALS OF BICLO AFOSR TN 60-716
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PHYSICAL ANC CHEPICAL MEASUREMENTS CN ICE WITHFERENCE TO AFCRL-62-1067
E 5 ANGLLAR CORRELATICN MEASUREMENTS CN LEVELS IN SE76 ANC P AFOSR 522
BY PEANS CF FIELC MEASUREMENTS CN SPECTRCSCUST 1961. AFCRL-1019
RESCNANCE FLUCRESCENCE MEASUREMENTS CN THEEV LEVEL IN FE'5 AFOSR 868
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A SATELLITE PROPAGATICN MEASUREMENTS,AY 1960. POLA AFCRL-TN-60-647
OF TIDES II RACIATION MEASUREMENTS,AY 31, 1962. AFCRL-62-650
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PS CN APPLIED CELESTIAL MECHANICS PROBLE AFOSR 3694
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CATTERING AND K PLUS CN MINUS DECOMES PI DECAY PICN•PION S AFOSR TN 60-360
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SHEET PALP•REFLECTING MIRROR ATTILLIPETER WAVELENGTHS JAN AFOSR TN 60-14
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DEVELOPMENT CP 1 METRE• MIRROR FOR PECHANICHING AND PHCTOGRAP AFCRL-62-11CO
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CIPPSLSICN IN A PAGNETIC MIRROR GEOMETRY JUL 196•PITCH ANGLE AFOSR 1345
TALLOGICALTUC•ELECTRCN MIRROR PICRCSCCPY IN MAGNETIC AND NE WADC TN 59-640
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LE •STROPPEC CYLINDRICAL MIRRORS CORRECTED FCR APERTURE ANDIE AFCRC-TN-60-565
C CN THE PLCN CP A MISCOLS ELECTRICALLY CONDUCTING PLAT AFOSR 551
EPHALIGUEICLS L EPPECT• MISE EN JEU CES VERIES CORTICO•PESSMC AFOSR 236
IDAL CHEZ LE CHAT MISE EN JEU REPLEPE DU SYSTEME PYRAM AFOSR TN 60-1312
CP PLATES AND SPELLS BY MISES•HENCKYRITTERICA JUN 1960 AFOSR TN 60-608
PCOEL •CRAG CN A PCVIAG MISLOCATION IN THE FRENFEL•CNTOROVA AFOSR TN 60-923
LC PRESSLPE GRACIENTS) MISPRINTED APCSA TN 59•1260" • PIE AFOSR TN 60-830
E ZNDENEVA CONFERENCES) MISPRINTED AFOSR TN 59•36 • AT TH AFOSR TN 59-365
ELECTRCNIC PA ERIALS MISPRINTED AFCSA TN 59•769EP 1959 AFOSR TN 59-109
CRPTION SPECTRLPETERS) MISPRINTED APCS••"A••A••871•• CAVITOS AFOSR TN 60-951
RTAIN CCNTINUACTICNS) MISPRINTED APCSATN 60•794 • OF CE AFOSR TN 60-764
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ERCING 31959, MAY 1959 MISPRINTED APCSA"••••219 • THE YEAR AFOSR TN 59-519
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Y PARTICLE DOSCHYSTEP) MISPRINTES APCSATN•60•1433'•OP A PAR AFOSR 315
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RCL NOTCHATENNA. •SPLIT MISSILE ANTENNA, 40C MC COMMAND CONT AFCRC-TR-60-261
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COMPUTER SIMULATION CP MISSILE EFFECTS, JUAN 1962.ECRET•THE AFCRL-62-536
,•A THC•PLLIC PCEDL PCR MISSILE EXHAUST TRAIL EXPANSIONUNE I AFCRL-62-639
/CCPPLCS PCR MISSILE EXHAUST TRAILEXPANSIONS, AFCRL-62-843
I,•)U' RACIC EFFECTS CP MISSILE FLIGHTS• TESTS 1753, 2006,69 AFCRC-TN-59-981
NTS•)U' APCRL BALLISTIC MISSILE IMPROVED RACIATION PEASUREME AFCRL-62-669
RET PAP 31 60)U' MISSILE IONIZATION STUDIES AT HP SEC AFCRC-TR-60-130
RADAR CBSERVATICNS CP MISSILE LAUNCH EFFECTS JULY 1960ECRE AFCRL-TN-60-972
1961,ECRET)U' ACANIA MISSILE LAUNCH OBSERVATIONS, OCTOBER AFCRL-914
P RADAR CBSERVATICNS CP MISSILE LAUNCHES, JULY 1962)ECRET• M AFCRL-62-567
P RADAR CBSERVATICNS CP MISSILE LAUNCHES,CTCBER 1961. SECRET AFCRL-991
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' RADAR CBSERVATICNS CP MISSILE LAUNCHINGS APR 1960ECRET)U AFCRC-TN-60-563
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' RADAR CBSERVATICNS CP MISSILE LAUNCHINGS SECRET POR 60)U AFCRC-TN-60-368
EFFECTS CBSERVEC CURING MISSILE LAUNCHINGS SECRETAR 60 AFCRC-TN-60-369
)U' VLP PEASUREPENTS CP MISSILE LAUNCHINGS, OCTOBER 6, 1961E AFCRL-932
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PECTRA CP HIGH ALTITLED MISSILE PLUMES,ANUARY 1961. SECRETES AFCRL-TN-61-203
PEASUREPENTS CP MISSILE PLUMES,INAL REPORT, JULY AFCRL-TR-60-299
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CPETRIC PEASUREPENTS CP MISSILE PLUMESPR 1960 SECRET• SPECTR AFCRC-TN-60-453
O TPENTER•IL' BALLISTIC MISSILE RADIATION ANALYSIS CENTER PO AFCRL-1018
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F, JUNE 3C, 1962.)C•)L' MISSILE RADIATION IN THE LAUNCH PHAS AFCRL-TN-60-894
CP BALLISTIC MISSILE RADIATION PEASUREPENTSANUARY AFCRL-TN-61-207
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CTROMAGNETIC EFFECTS CP MISSILE RE•ENTRYECRET DEC 24 59• ELE AFCRC-TR-60-100
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ETCNATICN SAVES A MISSILE TECHNIQUE FCR THE STUCY OF D AFCSR 594
' VLP SCATTERING FRCP A MISSILE TRAIL, CCTCBER 1961.ECRET•)U AFCRL-941
ANALYSIS CP HIGH•TYPE MISSILE TRAILS,•EBRUARY 1962. SECRET AFCRL-62-268
IDEALIZEDPLANC•EIPECTEC MISSILE 1962 • PROGRAPS FOR AN AFOSR 2815
S CP THE THERPALPIS•)L' MISSILE•BCRNE•RADIOPETER PEASUREPENT AFCRL-659
AND CCNSTRUCTICA CP A MISSILE•BCRNEACICPETER, OCTCBER 31, AFCRL-TN-60-681
HE CROIT CP A BALLISTIC MISSILE, OCTCBER 1959• ATUBADCT ON T WADC-TN-59-536
UREPENTS CP A BALLISTIC MISSILE1 SECRET JULY 20 59••RE• PEAS AFCRC-TN-59-556
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R AND LALACINGPASE FCR MISSILES AND SATELLITES,•OF THE PCWE ARL-P016
ANC CCPPONENTS CP MISSILES AND SPACE VEHICLESPRIL ARL-308
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E CEFENSE CF TARGETS BY MISSILES JUL 1962 THE ATTACK AN AFOSR CRA 62-9
ECTIONS CP AIRCRAFT AND MISSILES JULY 59• CF THE RACAR CROSS AFCRC-TN-59-774
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CP KRYLCV•BOGCLIUBCV MITROPOLSKI FCR THERESISTENCE OF INTEG AFOSR TN 59-1295
LS.,C•INFRARED SPECTRAL MITTANCE PROPERTIES OF SOLIC PATERIA AFCRL-TN-60-416
LINDAL, TRANSLATION CP MITTELLUNGEN AUS DEAK•PLANCK•INSTITU AFOSR 2393
EPPLCYECN•CESIGN CP THE MOBILE MICROPETECROLOGICAL STATIONS AFCRC-TN-60-692
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L•RCNTGRCV• DISLOCATION MCDEL A SCLUTION TO THE FRENKE AFOSR 953
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E PER EPILESSIORICNIC•A MODIFICAZIONI ELETTRODINCEFALOGRAFICH AFOSR TN 59-829
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TANTS PCRC2 AND RELATED MOLECULES, JUNE 1962.• COUPLING CONS AFCRL-62-660
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ICN CPALLCYED APC+CAST MOLYBDENUM FEBRUARY 1959 • BEHAN WADC TN 59-59
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LCAS PCR PRCNETC+CASYN+ MCMENT EQUATIONS ANC BOUNDARY CONCIT AFOSR TN 60-963
CPIC MCLECLESSLA+EICPCLE MCMENT INDUCTION IN HOPCNUCLEAR DIAT AFCRL-62-606
THE APPLICATICA CF A MCMENT METHCC IL THE SCLUTICN OFDN+G AFCRL-62-213
LE STATE THE PRCNETIC MCMENT CP HELIUP IN LTS 3S1 METASTAB AFOSR TN 59-16
NCV 1960 THE MCMENT OF INERTIA CF ROTATING NUCLEI AFCSR 189
ESTIMATE CF THE NUCLEAR MCMENT OF NEGATCN ELECTRCN SPIN AFOSR TN 60-708
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ELECTRCNIC TRANSITICN MCMENT CFEGARC+KAPLAN BANES IN N2. AFCRL-62-1089
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, INCCMPLETE MCMENTS CF THE BINCMIAL DISTRIBUTION ARL-M003
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PAY 196 '.B PIRPT TAC MCMENTS OF THRECIPRECCAL OF THE POSET AFOSR 3163
STRUCTLRE ANC NUCLEAR MCMENTS OF 6A+CLB YTTRIUP+9C AFOSR 3267
STRUCTLRE ANC NUCLEAR MCMENTS OP.BRCAY LUTETIUP+177 AFOSR 3523
CAL VALLOES FCR PRCNETIC MCMENTS OP+PESAICTCPS+1961 THECRETI AFOSR 1942
NITY TRANSITICN MCMENTS OPP EXPLANATAL FCRM, PART AFCRC-TN-59-621
EFFECT ANC THE CIRCLE MCMENTS CFME HYDROGEN ATCP LSING AFCRL-667
RATIC CPACNETIC MCMENTS, RATIC CP CAPTURE CRCSS+SECTI AFOSR TN 59-84
PRCPEIGHCPLCRING INCLCCC MCMENTS, AUGUST 1962.• CONTRIPUTICN AFCRL-62-945
PIBLTICNS BY THE METHCC MCMENTS, 1961 • ANCEIBULL DIST ARL-210
VES PASS MCMENTUM ANC ENERGY PLUS IN WATFR WA AFOSR 3599
THE RAISING CP ANGULAR MCMENTUM DEGENERACY CP P+ELECTRONSRP AFCRL-62-929
LAYERPECCY, PART I+THE MCMENTUM EQLATICA ALG 1962• BCUNDARY AFOSR 3711
TRANSPER CF MCMENTUM HEAT ANC PASS P IIIVAPORATE AFOSR 1161
TRANFFER CF MCMENTUM HEAT ANC PASS PART IIIAS+VAP AFCSR 16
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CF THE FLUX CP ANGULAR MCMENTUM IN AXIAL CALARY JUNE 19, AFCRL-62-641
CITY IN CCPPLER ANGULAR MCMENTUM CP TWOELATIVISTIC SCMATRIX AFOSR 2400
CP VANISH IN ECPAINS CP MCMENTUM SPACE+PEISENBERG FIELDS WHI AFOSR 2500
PLECTROPACA+THE ENERGY+ MCMENTUM TENSCR CP A SCALAR THEORY O AFCRC-TN-59-388
AND THE ENERGY MCMENTUM TENSCRS IN THEORTLRBATION AFCRC-TN-59-199
CP PARY+FERMION MCMENTUP+SPACE DISTRIBUTICNA HIGHER AFOSR 1696
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AT NEDEVPLP WITH THEIR MCMENTUMIDES • PHASECCYNTUN A AFOSR 4204
THE REPRESENTATICA CP MCNAGIC BOOLEAN ALGEBRAS AFOSR TN 59-1105
L+CCENZYPE A BY SPELICC+ MCNAS SP • PROP ITACCNY AFOSR 4348
IASTIC BULK VISCCSITY IN MCNATCPIC ANC DIATCPICASES JUN 1957 AFOSR TN 57-821
CTIVE INCED CP AN ICEAL MCNATCPIC GAS COPPLER REFRA AFOSR 2196
GREENAS PLNCTIONS FCR MCNATCPIC SIPPLE CUBIC LATTICESCV AFOSR TN 60-202
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SCHANCE SPIPT IN PYRENE MCNEGATIVE ICN AT 420K PRCTON RE AFOSR TN 60-904
AFPORMS CN INTEGRAL MCNENT METHCDS PCRAPINAR BCUNDARY AFCSR 1920
SURFACE WAVES B. THE MCNGCLIAN EARTHQUAKE OF DEC 4, 1957 AFOSR 1931
I EVALLATICA CP CENTRCL MCNITOR AN-GG0+11 PROTOTYPEGLGIST 196 AFCRL-686
APRIL 8, 1962 A SEEING MCNITOR FOR ASTRONOMICAL PHOTOGRAPHY AFCRL-62-814
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PY THE STANCARD NEUTRCN MCNITOR, APRIL 7, 1961. AFCRL-659
ALLCCNLIGHTS+CCSMIC+RAY MCNITORING CP THE PANNEC STRATOLAB B AFCRL-TN-60-640
TENNAS NCV 1960 MCNITORING PARABOLCIDAL REFLECTOR AN AFOSR TN 60-1409
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LPLLARY INSTRUMENT PCR MCNITORING SEISMIC SIGNALSJLY 1962+A AFCRL-62-629
SOI SPECIES MCNITORING SYSTEM MAR 1959 AFCRC-TN-59-189
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CANCE CONCITICNJAC INPE MCNREY MAR 1962 • DURING AVOI AFOSR 2510
E PEPAVICLR INPE PHESLS MCNREY NOV 1961 • STRIATE CORTEX AN AFOSR 2243
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TIMING BEHAVIOUR OF MONKEYS. THE EFFECTS OF LIMITEDDESSION AFOSR TN 60-712
CN CPOPA•CN THE ROLE OF MONOAMINE OXIDASE FCR THE INACTIVATI AFOSP 610
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THE CXICATION CF CARBCN MONOXIDE BEHIND SHOCK WAVESLGLST ARL-TR 60-312
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TRA OF APPCAIA ANCARBCN MONOXIDE IN THE FAR INFRARED • SPEC AFOSR TN 60-653
F TPERICATION CF CARBCN MONOXIDE OCT 1960• WATER•CATALYSED O AFOSR 1002
THE PYACLYSIS CF CARBCN MONOXIDE•H CRANE THE KINETICS CF AFOSR TN 60-1348
PETWEEACZEPAN, MONTANA AND PALC ALTC, CALIFORNIA AFOSR 1212
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SEPI•CIRCLLAR ICNCIC AT MCO 3 AND 8 JUNE 1960 • OF A AFCRC-TN-59-433
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CF SCME TESTS BASEC CN PCOD•S AND MASSEY•S STATISTICS. APR AFOSR 946
TE CBSERVATICNS,CTOBER• MCON AND VENUS HACAR PASSIVE SATELLI AFOSR 1049
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1959 RESEARCH ON MCON ECHC PHENCMENA MAY 1 1958•MAY 1 AFCRL-TN-60-779
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ECIAL APPLICATION TC THE MCON JUNE960 EVAPCROGRAPHY WITH SP AFCRC-TN-60-456
YTS CF MCLNTAINS CN THE MCON PAR 1959 • CF THEEIG AFCRC-TN-60-469
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•ELL PLATINGICA CF THE MCON, JUNE 1960. • REGICMENTANUS AND AFOSR 2567
CF I METOE•IMRACR FCR MCONRACKING AND PHCTOGRAPHY, MARCH AFCRL-TN-60-831
IIIZEC DECCMPOSITICA CF MCACAMMCR ANC•CAMMCR • PHOTOSENS AFCRL-62-1100
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CN APPHIPIAN EPROCYS MCAPHOGENETIC EFFECTS CF LIPOIC ACIE AFOSR 2561
LE CF GLIP IN THE TCAC• MCAPHOLOGICAL BASIS FOR A NLASING AO AFOSR 2514
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P AND GRCATPA • CRYSTAL MCAPHOLOGY IN EVAPCRATICN EQUILIBRIU .FOSR 2091
CF CRYSTAL MCAPHOLOGY IN THE FCAM CF STEROGRAPH ARL 1084
TICNS, 2C JUNE 1955•TIE MCAPHOLOGY CF GEOMAGNETIC PICROPULSA AFOSR TN 59-313
PUCEEN CCPP•THE AVERAGE MCAPHOLOGY CF GEOMAGNETIC STORMS BIT AFCRC-TN-59-468
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PER 1961•P STUCY CF THE MCAPHOLOGY CF GEOMAGNETIC STORMS,CTO AFCRL-293
A CONTRIBUTICA TC THE MCAPHOLOGY CF AORAY BURSTSIA THE AFCRL-1029
DEVELOPMENT OF SURFACE MCAPHOLOGY CN FLETCHERS ICE ISLANC,• AFOSR 1730
ATI ALSSION RC, BY MCARIS FRIEDMAN, EVANS, &D. BYARLICE AFCRC-TN-60-457
CF THE THEORY CF MCASE TO SYPPETAIC SPACESOR 59 AFOSR TR 60-32
ES CF GASES OBEYING THE MCASECTENTIAL APRIL 1962 • PCP•,JTI AFOSR TN 59-110
FOR GASES OBEYING THE MCASECTENTIAL SEPTEMBER 1962 ARL 62-319
CF J S LCPENT ANC P E MCASEN NUCLEON INTERACTICA JLL 1959 AFOSR 2460
CPERATIVE SETTLEPENTS) MCSHAVIPT IN ISRAEL OCT 1961 • IND AFOSR 2240
NCTE CN THE RA MCSSBAUER ABSCARTICA• IRCN NUCLEI IN AFOSR TN 59-677
SCPE SPINEL PERRITSING THE TECHIOLOGS CF THE MCSSBAUER ABSCRPTICN ANCBOTLRPATICN AFCSR 657
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EERSCHANCE ABSCRPTICN) MCSSBAUER EFFECT" • USING PECOIL•PR AFOSR TN 60-698
BY CF INERTIA USING THE MCSSBAUEREFFECT IN FE 57•THE ANISCTRO AFOSR 4046
SCLLTICN CF ANCELER CN MCSTCNSRIS JLN 1961 • ANC THE AFOSR 3552
ENTESL NIVEAL CL CCRTER MCTEOR DLL CHAT•CES PROJECTICA AFOER AFCSR 817
S LECRTER ASSCCIATIP ET MCTEOR•CES PROJECTICNS VISLELLES VER AFOSR TN 60-1313
E CCMPOLAC EYEP ACCILIC MCTPS • ANC LIGHT SENSITIVITY IN TH AFOSR 2685
F JET FLAP FOR LNSTEADY MCTICN THE THEORY C AFOSR 2851
RPS IN SUPERPERTICA•TRE MCTICN AND ERCSICN CP CONVECTIVE STO AFOSR TN 60-1267
LS PIELES CPRECIPITY•THE MCTICN AND PREDICTABILITY CP AMCRPHO AFCRC-TN-59-467
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CRP PRECIPITATICA,E•THE MCTICN AND PREDICTABILITY CF STRATIF AFCRC-TN-59-614
CN STELLAR IMAGE MCTICN AND SCINTILLATIONINTERMIP JAN AFCRL-276
NCN•BLRAINCROPELLA•THE MCTICN AND SHATTERING CF BURNING ANC AFOSR 2079
P GENERALEL•EQUATICN CF MCTICN AND THE SYNOPTICAL VARIABLES O AFOSR TN 59-129
A PARTICLE IN UNIFCRM MCTICN AND UNIFORMCCELERATICN SEPTEM ARL P052
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CN LONGITUCINAL MCTICN IN A MAGNETIC FIELC AFCSR 141
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TIC FIELC PRYC PARTICLE MCTICN IN AN AXIALLY SYPPETRIC MAGNE AFOSR TN 60-841
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GES IN UNIFCRM CIRCULAR MCTICN JAN 60 • PROBABILITYISTIC CHAR AFCRC-TR-60-113
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A LAWS ARE EQLATICNS CF MCTICN JULY 1959 CCNSERVATID wADC TN 59-356
C CCLOLAPSAS WITH CRIPT MCTICN JUNE 59 • ELECTRONI AFCRC-TN-60-353
AICS OF TURBULENT FLUID MCTICN MAR 1960 ELEPENTARY MECHA AFOSR TR 60-6
PERTLRBING EFFECT CN MCTICN NEAR A TRIANGULARGRANGE AFOSR 1669
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• JUN 2959 MCTICN OF A DEBE CVER A SLOPING BEAC AFOSR TN 59-604
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ELLYPSA PCCEL PCR TPE MCTICN CF A RAREFIEC PLASMA IN AN AX AFOSR TN 60-961
CN THE ACRLINEAR LAW MCTICN CF A ROCKET SLEC JLL 1962 AFOSR DRA 62-13
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CPTICAL ANALOGC TC THE MCTICN OF PAGNETICALLY TRAPPECPARTICL AFOSR 25
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OP THE EQLATICA PCR MCTICN CF MOBILE NEGATIVE•IRCE CARRI AFOSR 1752
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LINATICA, 1961,•CCN THE MCTICN CF SATELLITES WITH CRITAL INC AFCRL 1151
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CNETIC VCSCCSITY CLE TC MCTICN CPISSICCATICNS. CCT 1958 • PA AFCSR TN 59-89
ATLRALCN•EFFECTS CF GAS MCTICN IN HETERCGENEOUS CCMPOSITION N wADC TR 59-50
STLCIES CF PCLARCN MCTICN PART III THE HALL PCBILITY AFOSR 5042
C SPEARTO•TILT DCLINCBAY MCTICN PRODUCED BY STATIC AND DYNAMI AFOSR TN 58-1065
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OMEGATRON TUBES, FEBRUARY 21,961 ... OMEGATRONASS SPECTCMETERS OCTOBER ... OMNIDIRECTIONAL ANTENNA PREC FOR CUA ... OMPLEX IONS AND IMIDE SALTS WITH ORG ... OMPLEXES + DEABUATION OF SOME AQU ... OMPONENT SYSTEMS + THEORY OF LEN ... ONAAL COEFFICIENT AND RESISTIVITY ... ONALISTIC TRAJECTORIES BY INTERPOLS ... ONALVARCMAGNETIC EFFECTS IN ENDTUP ... ONAMAGE, COST AND ILLS. NOVEMBER ... ONAS TURBINE PER FORMANCE DEC 1959 ... ONBYTHODIC PROCESSES OF HYDROGEN ... ONATRIX SPACES THESIS 1962+ OF COMPL ... ONSET OF MAJOR WEAR, + RELAXATION ... ONSET OF PLASMA OSCILLATIONS SPECT ... ONSET OFCONTRACTION + OF PAPPA ... OPAQUE OBJECT, SEPTEMBER 1960.+SCATT ... OPERANT CONDITICNING OF THE BOTTLENO ... APOSR 2420 ... APOSR 1609 ... APOSR TN 60-1012 ... APOSR 5321 ... APCRL-TN-60-973 ... APCRC-TN-60-193 ... APOSR 3294 ... APCRL-660 ... APCRL-62-794 ... APCRL-TN-60-966 ... APCRL-TR-60-369 ... APCRC-TN-59-637 ... ARL 62-301 ... APOSR TN 59-861 ... APCRL-62-144 ... APCRL-62-117 ... APOSR TN 59-462 ... APOSR TN 59-587 ... APCRC-TN-59-770 ... APCRL-1034 ... APCRL-62-1124 ... APCRL-725 ... APCRL-62-124 ... APCRC-TN-60-351 ... APCRL-834 ... APOSR 2962 ... APOSR 3869 ... APCRL-362 ... ARL P051 ... ARL PC54 ... APCRL-62-1117 ... APCRC-TN-60-571 ... APOSR 3877 ... APCRL-1064 ... APCRL-562 ... APCRC-TN-59-664 ... APCRL-247 ... APCRL-62-379 ... OAR 5 ... APCRL-518 ... APOSR TN 60-1363 ... APCRC-TR-59-54 ... APOSR TN 59-101 ... WADD-TN-60-70 ... APOSR 1551 ... APOSR 5016 ... APCRC-TN-59-178 ... APCRL-TN-60-961 ... APCRL-1C0 ... APOSR TN 60-962 ... WADD-TN-60-24 ... AAL-N007 ... APOSR TN 60-921 ... APCRL-62-1127 ... APCRL-227 ... APCRL-258 ... APCRC-TN-59-371 ... AFCSR 980 ... APOSR 4164 ... APOSR TN 59-7 ... APCRL-62-272 ... APCRL-231 ... APCRL-62-603 ... APCRC-TN-60-257 ... APCRL-62-468 ... APCRL-62-479 ... APCRL-875 ... APCRL-897 ... APCRL-62-820 ... APCRL-62-1088 ... APCRC-TN-60-258 ... APCRL-TR-60-425 ... APOSR 2986 ... APCRL-62-479 ... APCRL-652 ... APCRL-274 ... APCRC-TN-60-417 ... 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OF SELECTING LCGICAL ... SERVICE)U' MILITARY AIR ... TURE JAN 1960 SLAVERY OF ... ANECPE CCPPLTER ... REGLLARIZEC SET ... FR PARA+ANALYSIS OF APO ... CULUS OF VARIATIONS AND ... CONCEPTS CP OBJECT+)L' ... THE GENERALIZEC SEARCH+ ... FINAL REPORT, PERICCCE+ ... 90 U IPP ... 90 U IPP ... 90 U IPP ... CODING AND CECCCING ... CODING AND CECCCING ... CP THE LINEAR BCLIZMAN ... CAS OF THE CIFFERENTIAL ... OL+REASLOPMENT OF MLPAN ... BOLTSMANN+CIFFERENTIAL+ ... PRINCIPLES PCR ... OF THE CIFFERENTIAL ... OF THE CIFFERENTIAL ... BY PROJECTION ... C + A TWC DIMENSIONAL ... A SINGULAR CIFFERENTIAL ... CIFFRACTICNLG +ABSTRACT ... HE SPECTRAL PATRIMP THE ... HEIGHT RANGE INDICATOR ... PTION OF SIPULATEC SAGE ... SYNTACTIC ANALYSIS AND ... JU' ANALYSIS CP SAGE ... ABLE GYMPICS CP MLPAN ... ON THE USE OF PCRPAL ... TICNS OFFE CIFFERENTIAL ... WITH RESPECT TO ... WITH RESPECT TC ... LNITARY PALP+SCATTERING ... L2 MAR 1959 CERTAIN ... CN CERTAIN NCN+LINEAR ... ENSIONALPLACE +BERGMAN ... EXTENSICN OF CCMPACT ... EXTENSICN OF CCMPACT ... EXTENSICN OF CCMPACT ... CCMPUTATCNS OF RELACED ... INTRINSIC ... ICENTIFY STATICCALLINEAR ... NCTES FCR IBM CARCATYPE ... ORDER UNIFORMLYELLIPTIC ... SPEED ESTIPATION BY ESS ... CN PROPERTY PCR CCMPACT ... CPELP+ADJCENT ELLIPTIC ... CPELPADJCENT ELLIPTIC ... ARY LINEAR CIFFERENTIAL ... INVARIANTS FOR SPECTRAL ... O,CO' PART IOLNC+NONPAL ... O,CO' I. RCLNCEC+NONPAL ... ,CO' PART IINOLN+NONPAL ... ,CO', PART II.ND+NONPAL ... CNAL NCTES FCR IBM CARC ... THECREMAY + CONVCLLTICN ... 1960 CN SLOSTITUTION ... SECCND CRCERIFFERENTIAL ... RP LATION CP THE STICKES ... O,CO', PART II.APCLACEIC ... CTICNS USING IMPITTANCE ... A STUCY CP THE LSE CP ... UNITS IN THE PRIMARY ... 1961. CECCPTRIC ... LENTICULA+THE TRANSFER CP ... CTRICAL ACTIVITY IN THE ... ICAL STIPLLATICN CF THE ... PATBRACTICN BETWEEN THE ... CPTICERVE SECTICN+ THE ... CCNTINLACTIVITY IN THE ... Y RECEPTIVE FIELCS CP ... CTICN ANCTLCY +A PHCTIC+ ... ICNIC CRYSTALS ANCHE ... G CRYSTALS AT LCW+PPED+ ... CCCPERATIVE ... CN THE LCW TEMPERATLRE ... CN THE LCW TEMPERATLRE ... +IRRADIATIEC BENZENE PCR ... TRENICCMAN)+RESEARCH EN ... ELECTROLUMINESCENCE IN ... LIPITING CETECTIVITY CP ... LIPITING CETECTIVITY CP ... ETICALLY TRAPPECCRTI+AN ... SINGLE CRYSTALELLL+TPE ... SINGLE CRYSTALELLL+TPE ... SINGLECRYSTAL TELLL+TPE ... SINGLECRYSTAL TELLL+TPE ... SCLIDS + FINAL REPCRT ... CEVELOPMENT OF A PCBILE ... F CCSE SCPE ELECTRICAL, ... EJ VB NJ VIB+ELECTRICAL ... , PA 1961). ... ICN IN THE ENTREPELTRA+ ... GUIDES PCR THECC+CLASI+ ... 8, JANUARY 1961. ... E REGICN, C+IC EV. + ... TALS IN THE REGICN + ... CETERMINATICN CF THE ... UNITS IN THE PRIMARY ... CF THE GROWTH CP ... PCSPHERE PROP ARCTIC AND ... UARISE CECCPTRY ARE THE ... OPERATIONAL ANALYSIS OF FINITE PULSE ... OPERATIONAL ANALYSIS OFIRBORNE RADAR ... OPERATIONAL ASPECTS OF DRY ICE PELLE ... OPERATIONAL CHARACTERISTICS OF THERL ... OPERATIONAL CONTRAILSUPPRESSION SYSTE ... OPERATIONAL NOTES PCR IBM CARC OPERA ... OPERATIONAL NOTES PCR IBM CARDATYPI ... OPERATIONAL RADIOMETER FINALREPORT ... OPERATIONMO APPLICATION, DECEMBER ... OPERATIONMO APPLICATION, MAY 1, ... OPERATIONS + PART II.M SCPCIFIC DIRE ... OPERATIONS ANALYSIS, AUGUSTS, 1961. ... OPERATIONS AND MCHANISMS TCRECUTE ... OPERATIONS ARE SUPPORTING AIREATHER ... OPERATIONS AND SYSTEMS RESEARCHITERA ... OPERATIONS IN SAGE SECRET PER 60 ... OPERATIONS JUN 1961 ... OPERATIONS PLAN FOR SUFFOLK COUNTY A ... OPERATIONS RESEARCH DECEMBER 60 CAL ... OPERATIONS RESEARCH ON RECCGNITION, ... OPERATIONS RESEARCH ON RECOGNITION. ... OPERATIONS RESEARCH SECRET NOV 3 19 ... OPERATIONS RESEARCH SECRET NOV 10 19 ... OPERATIONS RESEARCH SECRET NOV 24 19 ... OPERATIONS RESEARCH, VOLUME 1, ... OPERATIONS RESEARCH, VOLUME 2, JANUA ... OPERATOR EXPANSICN ... OPERATOR + OF CHARACTERISTICUNCTI ... OPERATOR ALEBTNESS IN CONTINUOUSONTR ... OPERATOR APPROXIMATIONS TO THE LINEA ... OPERATOR EQUATIONS WITHPPLICATIONS ... OPERATOR FOR THE TIPECVELOPMENT OF ... OPERATOR FOR THE TIPEEVELOPMENT OF ... OPERATOR FORMALISM I AUGUST 1960 ... OPERATOR IDENTITY WITH APPLICATION T ... OPERATOR JUN 1959 ON ... OPERATOR METHODS IN ELECTROMAGNETIC ... OPERATOR OF ELASTICITY JAN 1961 + T ... OPERATOR PERFORMANCE APRO+STUDIES ON ... OPERATOR POSITION NCV 1959 DESCRI ... OPERATOR PRECEDENCE, SEPTEMBER962. ... OPERATOR SWITCH ACTIONS DURING ONESS ... OPERATOR SYSTEMS MAR 1960 TIME VAR ... OPERATOR TECHNIGUES IN QUANTUMTATIST ... OPERATOR 2M+C2-CZZ + FUNC ... OPERATOR+VALUED FUNCTIONS NCV960 ... OPERATOR+VALUED FUNCTIONSUG 1960 ... OPERATORS ON THE SPECTRA CP ... OPERATORS AND FOURIER TRANSFORMS CN ... OPERATORS AND PARTIALDIFFERENTIAL ... OPERATORS FOR THE THREE AND FOUR DIM ... OPERATORS I MAY 1962 ... OPERATORS II JUN 1962 ... OPERATORS III JUL 1962 ... OPERATORS IN HILBERT SPACECT 60 ... OPERATORS IN THREE+SPACE MAY 1959 ... OPERATORS MAY L 1959 + TO ... OPERATORS MAY 1959 OPERATIONAL ... OPERATORS NCV 1961 + PCR SECCND ... OPERATORS NCV 59 ACCURACY OF ... OPERATORS OCT 1961 CN THE EXTENSI ... OPERATORS OF THE SECCND ORDER WITHAR ... OPERATORS OF THE SECCND ORDER WITHAR ... OPERATORS OPTIMUM NOAP 1962 ORDIN ... OPERATORS ON HILBERSPACE MAY 1960 ... OPERATORS ON THE BANACH SPACE LP I+0 ... OPERATORS ON THE BANACH SPACE LP I+0 ... OPERATORS ON THE BANACH SPACE LPI+00 ... OPERATORS ON THE BANACH SPACE LPI+00 ... OPERATORS SEP 1958 CPERATI ... OPERATORS THAT SATISFY THE SPECRAAL ... OPERATORS. I. A SUPPATICNETHOC. ... OPERATORS+ON THE INTRINSIC FORM PCR ... OPERATORS, JULY 1962+RELATIVISTIC PO ... OPERATORS,AY 1, 1962. + TRANSFER FUN ... OPTIAL CCORCINATES FOR SCPE VISCOUSI ... OPTIC CORTEX IMPE UNANALYSTHETIZED ... OPTIC IN LOBACHEVSKII SPACE, JANUARY ... OPTIC IMPORPATICN THROUGH THE LATERA ... OPTIC LCBE IN THEIGECN ... OPTIC LCBE+ THE RETINANCUCAC BY CHEM ... OPTIC LCBES IN THE CECEREBRATEIGECN ... OPTIC LCBES OF OCTCPUS VULGARIS ... OPTIC NERVE AND IN THE LATERAL GENIC ... OPTIC NERVE FIBERS IN THE SPIDERONRE ... OPTIC+ELECTRCRETIC METHOD FOR THE DETE ... OPTICAL ABSORPTION EDGE OF INSULATIN ... OPTICAL ARSORPTION EDGE OF INSULATIN ... OPTICAL ABSORPTION IN SCLIDS ... OPTICAL ABSORPTICN CF COCL2 6H2C,AD ... OPTICAL ARSORPTICN CF COCL2+2C AND ... OPTICAL ACTIVITY,CI 1960. + OF V ... OPTICAL AMPLIFICATION EPPLEYING ELEC ... OPTICAL AMPLIFIERS DECEMBER 1959 ... OPTICAL AMPLIFYING EQUIPMENTPRIL ... OPTICAL AMPLIFYING EQUIPMENT961+THE ... OPTICAL ANALOG TO THE PETICN OF MAGN ... OPTICAL AND ELECTRICAL PROPERTIES OF ... OPTICAL AND ELPCTRICAL PROPERTIES OF ... OPTICAL AND ELECTRICAL PROPERTIES OF ... OPTICAL AND ELECTRICAL PROPERTIES OF ... OPTICAL AND ELECTRICAL PROPERTIES OF ... OPTICAL AND INFRARECALIBRATICN LABOR ... OPTICAL AND STRUCTURAL PROPERTIES O ... OPTICAL AND THERMAL PROPERTIES OF TH ... OPTICAL ASTRONOMICAL SEEING A REVIEW ... OPTICAL BEHAVICR OF PILMS PCR RADIAT ... OPTICAL COMPONENTS AND SURFACE WAVE+ ... OPTICAL CONSTANTS AT HIGH TEMPERATUR ... OPTICAL CONSTANTS CF GERMANIUM IN TH ... OPTICAL CONSTANTS OF SOME ICNIC CRYS ... OPTICAL CONSTANTS OFMIN ABSORBING ... OPTICAL CORTEX DURING ACOLSTLFACTORY ... OPTICAL CRYSTALS, JULY 31,962. ... OPTICAL DATA JUNE960C + OF THE CHRO ... OPTICAL DEPTH FACTOR, JULY 1, 1962+S ... APOSR TN 60-910 ... APCRC-TR-59-178 ... APCRL-62-1129 ... ARL 62-307 ... APCRL-62-830 ... APOSR TN 59-321 ... APOSR TN 59-1058 ... APCRL-459 ... APCRL-62-5 ... APCRL-62-334 ... APOSR TN 59-1228 ... APCRL-985 ... APCRC-TN-60-142 ... APCRC-TN-59-249 ... APOSR TR 60-92 ... APCRC-TN-60-90 ... APOSR 1010 ... APCRC-TR-59-194 ... ARL-TN 60-151 ... AFCRL-304 ... APCRL-945 ... APCRL-62-52 ... APCRC-TN-59-109 ... APCRC-TN-59-115 ... APCRC-TN-59-179 ... APCRL-0)1' ... APCRL-0)1' ... APOSR 1114 ... APOSR TN 59-2 ... APCRL-TN-60-794 ... APOSR TN 60-465 ... APCRL-1111 ... AFOSR TN 60-905 ... APOSR TN 60-467 ... ARL 241 ... APOSR TN 59-691 ... APOSR TN 59-651 ... APOSR 1838 ... APOSR 296 ... APCRC-TN-60-54 ... APCRC-TN-59-66 ... APCRL-62-738 ... APCRC-TN-60-56 ... APCRC-TN-60-169 ... APOSR TN 60-727 ... APOSR TN 58-1059 ... APOSR TN 60-1138 ... APOSR TN 60-857 ... APOSR 930 ... APOSR TN 58-100 ... APOSR TN 60-474 ... APOSR 690 ... APOSR 3131 ... APOSR 3132 ... APOSR 3133 ... AFOSR TN 60-710 ... APOSR TN 59-499 ... APCRC-TN-58-559 ... APOSR TN 59-1058 ... AFOSR 1759 ... APCRC-TN-59-67 ... APOSR 2046 ... APOSR 1874 ... APOSR TN 59-1102 ... APOSR 3739 ... APOSR TN 60-506 ... APOSR TN 59-1115 ... APOSR TN 59-579 ... APOSR TN 59-1116 ... APOSR TN 59-1212 ... APOSR TN 59-321 ... APOSR TR 58-65 ... AFCSR 363 ... APOSR TN 57-142 ... APCRL-62-363 ... APOSR TN 59-1212 ... APCRL-62-320 ... APOSR TN 59-11 ... APOSR 2027 ... APCRL-112 ... APOSR 1292 ... APOSR TN 59-619 ... APOSR TN 59-827 ... APOSR TN 59-420 ... APOSR 2992 ... APOSR 1248 ... APOSR 1309 ... APOSR TN 60-1427 ... APOSR TR 59-142 ... APOSR 3536 ... APOSR 2271 ... 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OES JUNE 15 59 PAGNETIC+ OPTICAL EFFECTS IN FERRIMAGNETIC OXI AFCRC-TN-59-395
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S NCV 1961 COHERENT OPTICAL EMISSION FROM MOLECULAR BEAM AFOSR 1978
THE DETERMINATION OF OPTICAL EXCITATION CROSS SECTIONS AFOSR 1992
UESECEMB+CEVELOPMENT OF OPTICAL FREQUENCY MODULATION TECHNIQ AFCRL-62-30
UES, SEPTEMBER 1961. OPTICAL FREQUENCY MODULATION TECHNIQ AFCRL-904
ENTALPY SHANSPORPATICN+ OPTICAL IMAGE FORMATION IN TERMS OF AFOSR TR 60-63
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EGENERACY IN LIGHT FROM OPTICAL MASER AND OTHERSOURCES + O AFOSR 91
RON EXCITATION SEP 61 OPTICAL MASER BY THE METHOD OF ELECT AFOSR 1639
INFRARED AND OPTICAL MASERS FINAL REPORT PAR 1962 AFOSR 2612
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BEHIND NCRMAL SHCCKS BY OPTICAL METHCDS,FEASIBILITY ANALYSI AFOSR 2789
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IMAGINARY PART CF THE OPTICAL MODEL POTENTIAL IN NUCLEARAT AFOSR 876
5, 1962 II. AIPCSPHERIC OPTICAL NOISE MEASUREMENTS, AUGUST 1 AFCRL-62-869
ACT DEC 1961 STUDIES CF OPTICAL POLARIZATICN BY ELECTRON IMP AFOSR 2259
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CF IMPERFECTICNSN THE OPTICAL PROPERTIES CF SOLIDS FINAL AFOSR 2247
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C FLARES, JANUARY6G+THE OPTICAL RECTIFICATICN OF FORSHORTENE AFCRL-62-232
LERATION CHARACTECRAPH+ OPTICAL RESCLUTION BY MCLECLLAR COMP AFOSR TN 59-730
CRS EMPLCYINGEASCNATING OPTICAL RESOLVERS JUNE 1962+ GENERAT ARL 62-368
RECORDING BY RESCNATING OPTICAL RESOLVERSECEMBER 1961+SPEED ARL 147
RESCNANCE, APRIL 1961. OPTICAL SATURATICN CF F+CENTER SPIN AFCRL-355
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CS OPTICAL SPECTRA OF PARAMAGNETIC SCLI AFOSR 918
CUBICI+PARAMAGNETIC ANC OPTICAL SPECTRA CF YTTERBIUP IN THE AFOSR TN 60-308
CAF2 OPTICAL SPECTRA CN EU2/ ANC GD3/ IN AFOSR 3097
AMAGNETIC RESCNANCE AND OPTICAL SPECTRUM OF IRCN INERYL PAR AFOSR TN 60-996
HELIUP CHAMBER R+ RLN OPTICAL SYSTEP ANDIECUTAL PARK DATA AFOSR 794
CE REGICNF AN APLANATIC OPTICAL SYSTEP JULY 59 + IN THE IMA AFCRC-TN-59-390
T CCEFFICIENTS, OPTICAL TECHNIQUES IN PEASURING SCRE ARL-C004
ICN EDGE IN CCS, AUG + OPTICAL TRANSITIONS NEAR THE ABSORPT ARL 81
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TO FLASH HEATING OPTICAL TRANSPARENCY ANC RESISTANCE AFOSR TN 60-662
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A GENERAL ANALYSIS OF OPTICAL, INFRARED, AND PICRCWAVEASER AFCSR 388
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ITS DEGENERATICN AFTER OPTICERVE SECTICN+ THE CPTIC LORES AFOSR 2992
BRIEF FLASHES IN CAT+S OPTICRACT + UNIT OFF RESPONSES TO AFOSR TN 59-674
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V 1960 BEAP OPTICS ANALYSIS USING THE IBP 650 NO AFOSR TN 60-1400
SPECTROSCOPY IN OPTICS ANDPECTRCSCOPY, NOVEMBER 1, AFOSR 1190
OF THE PHYSICAL OPTICS APPROXIMATICN TO SPHALLODIES AFCRC-TN-60-107
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CCVERINGEP+RESEARCH CN OPTICS OF SELECTIVE SURFACES, PERIOD AFCRL-62-1049
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TE CYLINCER. I.ECPETRIC OPTICS, DECEMBER 1961.+ OF A COMPCSI AFCRL-62-90
THECRY ANC GECPETRICAL OPTICS,EBRUARY 1962.+ELECTROPAGNETIC AFCRL-62-84
RPLITUCE IN GECPETRICAL OPTICS,UGUST 1960. + FOR THE FIELC A AFCRL-TN-60-967
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TC THE THECRY OF TIPE+ OPTIMAL CONTACL PAY 196 AFOSR 2040
S JUL 1962 THE OPTIMAL CONTACL OF CHEMICAL PROCESSE AFOSR 2098
THE TIME OPTIMAL CONTACL PROBLEP AFOSR TN 59-464
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THE SYNTHESIS OF TIPE OPTIMAL ON BANG+BANGCNLINEAR CONTROL AFOSR TN 60-960
ER COMPANI PER 1960 AN OPTIMAL PCINCARE INEQUALITY FOR CCNV AFOSR TN 60-248
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TICA SOPE PROPERTIES CN OPTIMAL SPACING IN POLYNOPIAL ESTIMA AFOSR 3097
PPLIED+DATA SYSTEPEC +AN OPTIMAL STRATEGY FOR A SATURATING SA AFOSR TN 60-67
TEPS IN TERPS CFBANCH + OPTIMAL SYNTHESIS OF AIR DEFENSE SYS AFCRL-62-354
A NCTE CN OPTIMAL VOCAL FREQUENCY PAR 1959 AFCRC-TN-59-178
BER OF TESTS LAING SOPE OPTIMAL WELCH+TYPETATISTICS 1959+ PO AFOSR TN 59-177
ELECTRISCHER LAC OPTISCHERIGENSCHAFTEN VCN CDS + ARL-TN 60-102
EPS, MAR 1962 THE OPTIUM CONTACL CF CROSS+COUPLED SYST AFOSR 2312
G VEHICLE IN A CIRCULAR ORBIT OCT 1960 + DYNAPICS OF AIPTIN AFOSR 210
TARE+OFF FROP CIRCULAR ORBIT BY SMALL THRUST AUG 1962 ON AFOSR 3900
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BALLISTIC TRACETICNS IN ORBIT COMPUTATION+CF ASTRONCPICALAND AFOSR 2947
AC, 3 EFFICIENTPRECISION ORBIT COMPUTATIONAL TECHNIQUES JUN AFOSR TN 59-766
SCATTERIAC SPIN+ ORBIT CORRELATICNS IN NU S ANC E+ E+ AFOSR TN 60-754
N ACCURATE INTERPRECIARY ORBIT POR SATELLITESTRONCMY MAY 61+A AFCSR 690
A ACCURATE INTERPRECIARY ORBIT PORATELLITE ASTRONOMY + OF A AFOSR 712
SPIN+ ORBIT IN CDS SE SINGLE CRYSTALS ARL 4061
ATLANCLT CN THE ORBIT OF A BALLISTIC MISSILE, OCTOBE WADC-TN-59-336
CLEI + EFFECTIVE SPIN+ ORBIT POTENTIAL IN CORRELATEDEAVY NU AFOSR TN 60-453
1961. SATELLITE ORBIT STIPULATCH AND DISPLAY, CCTOBER AFCRL-1101
SATELLITE ORBIT STIPULATCN, AUGUST 1960 AFCRL-TR-60-184
E + EVICENCE FCR SPIN+ ORBIT SPLITTING IN THE BAND STRUCTUR AFOSR 1487
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NIUP VALLEY+ ORBIT SPLITTING OF ANTIPONY IN GERMA AFOSR TN 60-709
USE CF SYNCHRCTRCN ORBIT+RADIATICN IN X-RAY PHYSICS AFOSR 4021
LYSIS OF SPACE SLITS IN ORBIT, MAY 1960 THERPAL ANA WADD-TN-60-145

E WAVEWACT+NATWRAL SPIN ORBITAL ANALYSES OF HYDROGEN PCLECUL AFOSR 341
ISTRY PINALEP+PCLECULAR ORBITAL CORRELATIONS IN ORGANIC CHEP AFOSR 567
ECCS, 1961). ORBITAL ELEPENTS OF PHOTOGRAPHIC PET AFCRL 1154
THE ALTERNATE PCLECULAR ORBITAL METHCC AUGUST1962+STUDIES ON ARL 62-469
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BY PROTCNT 1959 HIGH ORBITALS S+STATE CAPTURE OF NESONS APOSR TN 59-1295
A MOLECULAR ORBITAL STUCY OF HYCROGEN SUPEROXIDE AFOSR TN 60-92
LS CPCMPCLNES+PCLECULAR ORBITAL STUDY OF IONIZATION POTENTIA AFOSR TN 59-893
TURE I PAY 1962 ORBITAL THEORIES OF ELECTRONIC STRUC ARL 62-400
NG INLECTRON +PCLECLLAR ORBITAL THEORY AND HYPERFINE SPLITTI AFOSR TN 60-920
ETS JED 1961 CPTIPUM ORBITAL TRANSFER BY HIGH THRUST ROCK AFCSR 163
ENTIALSVERAGE+PCLECLLAR ORBITALS FOR H2 BASED ON CENTRAL POT AFCRL-62-1041
ULATION CF BASIS AICPIC ORBITALS FOR POLECULARAVE FUNCTIONS AFOSR 3003
6++ PESCAI FRCP HIGH S+ ORBITALS IN HELIUP CAPTURE CP AFOSR TN 60-761
1961 FINAL REPORT C+ ORBITALS IN SCME CHEMICAL BCNES JAN AFOSR 653
PEASUREPENTS FRCP NEAR+ ORBITTHE ALTITUDES+GUST 19, 1962. AFCRL-62-1001
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SITION FRCP A SATELLITE ORBITTC AN EQUILIBRIUP GLIDE JUN 1961 AFOSR 1303
REPORT NC. 1 PRECISSICN ORBITS AND CBSERVATIONDUCTION JUN AFOSR TN 59-769
REPORT NC. 8 ORBITS FROM PCSITION ANDELCCITY JUL AFOSR TN 60-816
956 TRAPPED ORBITS IN THE EARTH+S CIPOLE FIELC I AFOSR TN 59-260
ECCENTRICITY GECCENTRIC ORBITS JUN 1959 + EXPRESSIONS FORCH+ AFOSR TN 59-768
INTERPECTORY EGLATICNAL ORBITS OF AN ARTIFICIALATELLITE OCT AFOSR 1680
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I ORBITS WITH PINRC LCW THRUST NOV 196 AFOSR 1023
P 1961 ORBITS WITH LCW TANGENTIAL THRUST SE AFOSR 1479
AC CENTRCL CP SATELLITE ORBITS, CPTIPAL PROGRAMPING A ARL-M014
EC PROP PCLAR SATELLITE ORBITS, PARCH + RECOVER AFCRL-205
EPCCH ERRCR IN CIRCLLAR ORBITSART I. CORRECTION BY TRANGENTI AFOSR TN 59-62
TIAL EGLATICNS CP FIRST ORDE + GUASILINEAR PARTIAL DIFFEREN AFOSR 4058
PATH ANALYSIS CP TIPE+ ORDERED CONSTRUCTION ANCSSEPOLY AFOSR 2060
RACIATICN EFFECTS IN ORDERED POLYPERS PARCH 1962 ARL 62-911
A SPIN RESCNA+EACHANCE+ ORDERING ANC CBSERVATION OF PCRCIDE AFOSR 34
CACERTREN+INHCPCCENECLS ORDERING DUE TO EXCESS VACANCIES AN ARL 172
A RESISTCPETRIC STLCYF ORDERLINETICS IN PE3AI JUNE 1961 ARL 160
LAWS IN TXCARIABLES +AN ORDERING PRINCIPLE FCR CONSERVATICN AFOSR TN 60-570
AS+CN A PEASLRE CP THE ORDERLINESS CP A BOCLEAN FUNCTIONTRA AFCRC-TN-60-593
CP ELLIPTICCLATICNS CF ORDERS TWO ANC FCUR AUG 1960 AFOSR TN 60-806
CNSTRUCTIVE VERSICNS CF ORDINAL NUMBER CLASSES C AFOSR 3979
HER PATTERNS ON A SCALE OREY JUNE 1960+DISPLAY CP RADAR WEAT AFCRC-TN-60-666
01 RESEARCH CN ORGAN ALUMINUP COPPCUNDS DECEMBER 19 ARL 124
C? THE EFFECTCR ORGAN IN TMEALVANIC SKIN RESPCNSE AFOSR TN 59-687
CENTER AS A TIPIAG ORGAN, DISCUSSION CP AYPOTHESIS JAN AFOSR TN 59-471
PYROLYSIS OF ESTERSF ORGANIC AND INCRGANIC ACIDS FINAL AFOSR 2210
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LCAC PF THECRY OF AN ORGANIC BIRACICAL WITH A PROBABLERIP AFOSR 1234
IMPCRTANTOLVARIAN+ ORGANIC CATICN COMPLEXES AS ENERGY AFCRL-62-850
CRBITAL CCRRELATICNS IN ORGANIC CHEMISTRY FINALEPORT PAR AFOSR 547
TCCH+EMICAL PCRPATICN CF ORGANIC COMPCUNDS FROM PETCLEPS PHC AFCRC-TN-59-4212
INFRARED SPECTRA CF ORGANIC COMPCUNDS IN THE REGICN AFOSR TN 60-1221
CF NITROCEN ATCPS WITH ORGANIC CONFCUNDSPRIL 7, 1961. AFCRL-622
Y 1962. A STLCY CF ORGANIC CRYSTALS AS ICING NLCLEI, MA AFCRL-62-601
RESCNANCE IN IRRADIATED ORGANIC CRYSTALSND IN A SEMI+CONDUCT AFOSR TN 59-1214
CCMBUSTICN CALCRIMETRY ORGANIC FLUCRINE CCPPOUNDS AUG 1959 AFOSR TN 59-698
RCPAGNETIC TRANSITICNSN ORGANIC FREE RADICALS JUL 1961 + PER AFOSR 1076
LARIZATICN ANCPALES IN ORGANIC FREERADICALS JUN 1961 + PO AFCSR 725
CCMPLEXES IN W+ICH ORGANIC HALIDES ACT ASLECTRON ACCEPT AFOSR 3619
ICLATION CP PCSITRONS IN ORGANIC LIQUIES ANAI+ AFOSR TN 59-90
HEAT CAPACITIES CP ORGANIC LIQUICS ANC THEIR RECORDING AFOSR TN 59-71
RACIATICN EFFECTS CN ORGANIC MATERIALS DECEMBER 1961 ARL 91
ICNIZING RACIATICN CN ORGANIC MATERIALS,AR HEATING, DETROI ARL-C023
CRYSTALLINE HYCRATES CP ORGANIC MOLECULES RADONS FIND L AFOSR 3486
CF IUPAC CCMPISTICN ORGANIC NOMENCLATUPL 20+20 1961 AND AFOSR 2846
ISSPECIENS.+ THERTRON ORGANIC OXYGEN, NITROGEN, SULFUR, AFOSR TN 60-1221
ASSTIONS IN CRYSTALLINE ORGANIC RADICALS APR 1961+ RESONANA AFOSR 34
CCPPOUNCS AS CATALYSTSN ORGANIC REACTIONS SEP 1958+ AND ITS AFOSR TN 58-143
ORGANIC SEPICCNCUCTORS DEC 1959 AFOSR TN 60-63
L REPORT ORGANIC SEPICCNCUCTORS PAR 1962 PINA AFOSR 2663
1961). ORGANIC SEPICONCUCTORS, DECEMBER 30, AFCRL-62-245
. ORGANIC SEPICCNCUCTORS, MAY 15, 1962 AFCRL-62-600
PAGNETIC PROPERTIES CF ORGANIC SOLICS, JUNE0, 1962. + AND AFCRL-62-643
PA NETIC PROPERTIES CF ORGANIC SOLICS,CVEMBER 15, 19621+AND AFCRL-62-1116
FOR REPRESENTATICN CF ORGANIC STRUCTURALFCRPULAE ON PUNCHED AFOSR 101
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CF ACTIVE NITROGEN WITH ORGANIC SUBSTRATES THE PONCPERIC AFOSR 3792
RACIATION EFFECTS CN ORGANIC SYSTEPS FINAL REPORT APR 61 AFCSR 555
CF LCW PCLECULAR WEIGHT ORGANICCPPOUNCS AT PLATINUP ELECTROC AFCRL-62-872
FREE RACICAL YIELCS IN ORGANICCPPOUNCS SUBJECTED TC GAMMA WADD TR 60-127
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C2 COPPCLNE IN PICRC+ ORGANISPS PREPARATION AND PROPERTIES AFOSR 2020
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C2 COMPCLNES IN PICRC+ ORGANISPS 8 CICARBCXYLIC ACID CYCLE AFOSR 2629
C2 CCMPCLNES IN PICRC+ ORGANISPS. 5.IOSYNTHESIS OF CELL AFCSR 326
C2 COMPCLNES IN PICRC+ ORGANISPS. 6.YNTHESIS OF CELL CONSTI AFOSR 325
C2 COMPCLNES IN PICRC+ ORGANISPS, 4.YNTHESIS OF CELL MATERI AFOSR 883
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PLASMASCILLATIC-STRONG	PLASPA SHOCK WAVES AND EXCITATION OF	AFCRL-634
SCTRICS AND PARALLELCL-	PLASPA SIMULATION BY ARTIFICIAL DIEL	AFCRL-559
CTRIC LINECLNCE ABOVE A	PLASPA SLAB, NOVEMBER 9, 1960. • PLE	AFCRL-62-563
BLE OP A SCURCE-EXCITED	PLASPA SLAB,EPTEMBER 1961. • PI	AFCRL-TR-60-1150
HE OSCILLATING-ELECTRCN	PLASPA SOURCE RESEARCH ON T	AFCRL-777
ACIALDEE EPPANSICN CF A	PLASPA SPHERE, JANUARY 1961. • R	ARL 62-471
CCPPCHENSIVE THEORY CP	PLASPA STATES ANOMENOMENA PARCH	AFCRL-202
D-DIMENSICNAL RARFFIEC,	PLASPA STREAP- CYLINDERPPRESSED IN TW	WADD TR 59-486
BEAP-GENERATEC BEAP-	PLASPA SYSTEP MAR 1960	AFOSR 3604
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CONVENTICNAL AND	PLASPA THERMOCOUPLES, JUNE 5, 1962.	AFCRC-TR-60-163
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A	PLASPA WAVEGUIDE TUNER, JANUARY 1962	ARL 171
IZBCTRCNSP-EXCITATICN CP	PLASPA WAVES BY BODIES MCVING IN ION	AFCRL-62-13
CUS, COLDCAL-NCN-LINEAR	PLASPA WAVES IN A STREAPING HOMOGENE	AFOSR 1
INVESTIGATICN CP A	PLASPA WIND TUNNEL AUGUST 1962	AFCRL-62-1093
DYNAMIC APPLICATIONS CP	PLASPA WIND TUNNELS DECEPBER960-AERO	ARL 62-419
II. WAVEPROPERTIES CP	PLASPA WITH A DOUBLY-HUPPED VELOCITY	WADD TN 60-1
IN A TWO COPPONENT	PLASPA WITH ANISCTROPICPRESSURE SEP	AFCRL-62-340
KINETIC EQUATICN PCR A	PLASPA WITH UNSTEADY CONDEAN 1959	AFOSR 1529
NE PAGNETIC PICROPIELCN	PLASPA 10 OCTOBER 1960 • OF T	AFOSR TN 58-636
CCNDENSATICN-INCREASE OP	PLASPA 17-HYDROXYCORTICOSTEROIDS BY	ARL 60
ICNARY SHOCK WAVES IN A	PLASPA 1959 ON PLANE STAT	AFOSR 2830
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QUATION PCR AN UNSTABLE	PLASPA 1962 KINETIC E	AFCRC-TN-60-771
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CN CF THE EPISSICN CF A	PLASPA 6 JULY 1960 • DISTRIBUTI	ARL 60
TS IN A HIGH-TEMPERATURE	PLASPA 8 MAY 1962 • LIGHT ELEPEN	ARL 62-399
CF CHARGEC BCCIES IN A	PLASPA. PINAL REPORTJAY 1961• CP DRAG	AFOSR 1159
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WAVE PRCPAGATION IN A	PLASPA•CABLE CCT 1 57 • SEP 30 59	AFCRC-TN-60-110
, PAYS•RADIATICN FRCP A	PLASPA•CLAD AXIALLY•SLOTTED CYLINDER	AFCRL-714
, SURFACE WAVES CN	PLASPA•CLAD CYLINDER, SEPTEMBER 1961	AFCRL-903
ECHC AREAIASUREPENTS CF	PLASPA•COATED OBJECTS, JANUARY 27,	AFCRL-62-144
JL TYPE ACCELERATCR •	PLASPA•ELECTRCCE PHENOPENA CP THE RA	AFOSR 1940
TMACLSP A PAGNETC•	PLASPA, AND POSSIBLE METHOC PCR	AFCRC-TN-59-786
VELCCITY PCR A ROTATING	PLASPA, APRIL 1961.•ON THE LIMITING	AFCRL-334
NSITY PLUCTLATICNS IN A	PLASPA, AUGUST 1, 1960. ELECTRON DE	AFCRL-TN-60-979
LCN IN AN INHCMPCGENECLS	PLASPA, AUGUST 1960. • ON ELECTRON	AFCRL-TN-60-994
FIELCS WITH	PLASPA, PINAL REPORT JULY 31961.	AFCRL-746
UCTION CP A PLLLYCNIZED	PLASPA, JANUARY 1961.• THE HEAT CCNC	AFCRL-20
ECTRIC ARCS AND THERPAL	PLASPA, JANUARY 1962 EL	ARL-62-302
NCRANSVERSAL WAVES IN A	PLASPA, JANUARY 3, 1961. • A	AFCRL-735
AGATINGCCES CP A FINITE	PLASPA, MARCH 1962. • THE PROP	AFCRL-62-176
SPECTIONS INHCMPCGENECLS	PLASPA, MAY 1, 1962. • CROSS	AFCRL-62-910
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F LIGHT SCATTERING BY A	PLASPA,CWEMBER 1960.• THE QUESTION O	AFCRL-TN-60-1150
CIAT OF WIEN CEC 1958	PLASPADYNAMICS•FRCP THE CASCYNAMIC P	AFOSR TN 59-34
A TEST PARTICLE WITH A	PLASPAENERGY LCSS OPHE TEST PARTICLE	ARL 72
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ANCEPPERATURES CP	PLASPANG ITS CONTININGITPAGNETIC	ARL 62-314
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PE COMPRESSICN WAVES IN	PLASPAS CYNAMIC	AFOSR TN 59-899
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RCPAGNE•ACCELERATICN CP	PLASPAS BY INDUCTIVELY GENERATEDELECT	AFCRL-462
PICROWAVE PROPERTIES CP	PLASPAS DEC 59•INVESTIGATICN CP THE	AFCRC-TN-60-113
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CP PICROWAVE PROPERTIES	PLASPAS FEB 60 INVESTIGATION	AFCRC-TN-60-189
RCH STUCIES BY REACTING	PLASPAS PINALEPORT JUL 1962 • RESEA	AFOSR 3537
PICROWAVES IN CASECLS	PLASPAS IMMERSED IMAGNETIC FIELCS,	AFCRL-62-489
TC PRODUCE SHOCK•GENERATED	PLASPAS IN AN•ORANC WAVEGUICE APR	AFOSR 757
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F PETHCES CP SIPLLATING	PLASPAS IN SPACE PAYAY 1960 SECRET•O	AFCRC-TN-60-159
TRANSPORT EQUATICNS PCR	PLASPAS IN STRONGTERNAL FIELCS	AFOSR 635
CETCNATICN•GENERATED	PLASPAS JAN 1961	AFOSR 705
	PLASPAS JANUARY 1961	AFCRL-25
PERATURE IN TRANSPARENT	PLASPAS JUL 1961 • PEASUREPENT OPER	AFOSR 1100
ERICN OF VAPEFACTION CP	PLASPAS PAR 1962 THE CRIT	AFOSR 2361
ICSP RAREFIED GASES AND	PLASPAS PARCH 1962 • OF THE PECHAN	ARL 62-353
PICROWAVE PROPERTIES CP	PLASPAS PAY 1960 INVESTIGATION OF	AFCRC TN 60 500
CCLLISICN•FREE	PLASPAS NOV 1960	AFOSR 360
EAR EFFECTS IN ELECTRCN	PLASPAS OCT 59 NCNLIN	AFCRC-TN-59-956
PICROWAVE PROPERTIES CP	PLASPAS OCT 59 INVESTIGATION OF	AFCRC-TN-59-796
ILLATIONS INELASTIVISTIC	PLASPAS PART II JULY 1961•LINEAR OSC	ARL-TR 60-274
COLLISICN•FREE SPCCRSND	PLASPAS SEP 1961 • INVESTIGATION CF	AFOSR 2266
NCN•LINEAR RESPCNSE CP	PLASPAS TO ELECTROPAGNETIC WAVES	AFCRL-62-488
TRANSPCRT PROPERTIES CP	PLASPAS USINGHE LINEARIZEC BOLTZMANN	ARL-TR 60-106
ELECTRCN GASN CASECLS	PLASPAS WITH ELECTRCN ANC NUCLEAR	AFCRL-110
CP PROCESSES IN CASECLS	PLASPAS WITH THEIC CP A DRIFT•VELOCI	AFOSR 1395
ANY CIPCLE INNISCTRCPIC	PLASPAS 1959 • CP AN ELEMENT	AFOSR TN 60-49
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S INELATIVISST•THECRY CP	PLASPAS. PART II. LINEAR OSCILLATION	ARL-TN 60-274
ACCELERATICN CP NEUTRAL	PLASPAS•POMENTUMPRANSFER THROUGH	AFOSR 3087
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CECREASING ICNIZATICN	PLASPAS, JULY 27, 1962. • FOR	AFCRL-62-574
BAVES IN BARP GLIESCENT	PLISPAS, JUNE 1961.	AFCRL-520
A ASSOCIATEC WITHCNIZED	PLASPAS, MAY 1, 1961. • PHENOPEN	AFCRL-339
PROPAGATION IN PAGNETO	PLASPAS, MAY 1, 1962.•ANDUBFACE WAVE	AFCRL-62-488
COLLECTIVE PHENOPENA IN	PLASPAS, OCT 1962 OBSERVATIONS CF	AFOSR 4154
HIGH PBB PICRCWAVES,	PLASPAS, PARTICLEEAPS, CONTROL SYSTE	AFOSR 1916
PICROWAVE PROPERTIES CF	PLASPAS,ANUARY 1961. • OF	AFCRL-7
CF NCNLINEAR EFFECTS IN	PLASPAS,ARCH 1962.•AN INVESTIGATION	AFCRL-62-164
PAGNETICALLY CCNFINED	PLASPAS,ERIOC ENDING AUGUST 31,	AFCRL-760
PICROWAVE PROPERTIES CP	PLASPAS,UGUST 1960. • CP	AFCRL-TN-60-998
PICS CP ICNIZEC PECIA)	PLASPAS•PRIL 1962 • CP THE DYNA	ARL 62-334
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ULATIONS PCR A HYCROGEN	PLASPAT TEMPERATURES UP TC 10,000 OK	AFOSR TN 60-669
EXTRACT CN THE	PLASPAUTEINIZING HCRMONE)LE• ACTIVI	AFOSR TN 60-1494
RTICALNC • INCREASE CF	PLASPI 17•OH•STERCIES BY CEREBRAL CO	AFOSR TN 60-1109
AND THECRY CP	PLASPICIOS ANCHEIN APPLICATIONS TO	ARL 62-374
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ALS AT INITIAL STAGE CF	PLASTIC SHEE FIELD IN MET	AFOSR 3629
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PHENOPENA CP ELASTIC•	PLASTIC CURVEC BEAPS UNBCRATIC AND	AFOSR 2460
LCACING CP RIGIC•	PLASTIC CURVEC BEAPS WITH AXIALCNSTR	AFOSR 316
CN TEPPERATURESLNE •THE	PLASTIC DEFORPATION CP CHROPIUP AT L	WADC TR 59-294
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LS OF AN ALLPINDPILOTHE	PLASTIC DEFORPATION OF SINGLE CRYSTA	AFOSR TN 59-719
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N IN NICK•THE EFFECT CP	PLASTIC DEFORPATION ON SELP•CIPPUSIO	AFOSR 961
OP LCN TEMPERATURE	PLASTIC DEFORPATION UPON THEPTICAL	AFOSR 4234
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Y OF SEPICEACLECTCR FOLL PLATE CIRCUITS JUN L9L+NETWORK THEOR AFOSR 449
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ATOMIC SCATTERING PROCESSES, JANUARY 30, 1961. I. ATMOSPHERICADIATIVE PROCESSES, SEPTEMBER 30, 1961.+ PART ULTRAVIOLET ABSORPTION PROCESSES,INAL REPORT, FEBRUARY ADAPTIVE INFORMATION PROCESSING 1962 TOTAL DATA PROCESSING RATIONS AN INFORMATION PROCESSING EICEBANC +SPEECH+ICAL PROCESSING TARGET RESPONSE OF DATA PROCESSING PENT OF APPERIMENTAL DATA PROCESSING FFICE+EXPERIMENTAL DATA PROCESSING OF AUTOMATION OF SPEECH PROCESSING 962. SPEECH DATA PROCESSING FOR COMPUTERTORAGE AND PROCESSING PLIFICAT+USE OF A LIST+ PROCESSING ORIGITAL DATA+ PROCESSING C INFORMATION+COMPUTER PROCESSING TAEC IS + REDUCTION AND PROCESSING THENS+IL' IMPROVING THE PROCESSING OF UNIFORM ISOTHERPAL PROCESSING OVIGITAL+RESEARCH ON THE PROCESSING OF THE EVALUATION AND PROCESSING CRP, DATA PROCESSING INVESTIGATION OF SPEECH PROCESSING AN-TSQ+13 DATA PROCESSING VOICE DATA PROCESSING C. VOICE DATA PROCESSING 1962 DATA PROCESSING LINGUISTICS, DATA PROCESSING VE MAN+MACHINE CONCEPT+ PROCESSING, IDENTIFICATION AND DATA PROCESSING, AR SIGNALS BYNAPPROXIMATION PROCESSING, LE TORTECHNOLOGICAL DATA PROCESSING, IMPACT OF LANGUAGE DATA PROCESSINGN LINGUISTIC ANALYSIS, CP A DIGITAL VOICE DATA PROCESSINGYSTER, MARCH 1962. OF SLAVELLANCE DATA PROCESSINGYSTEMS, DECEMBER 1961. PROBLEM CRITERION SYPECL PROCESSOR DECEMBER 20,962.+ACAP + A NICAL LANGLAGESNC THEIR PROCESSORS + CONNECTED WITH MECHA MANON+PANC TYPE, APR + PROCESSORS FOR INFINITE CODES OF THE PROCESSUS INTRAMOLECULAIRES, CCSPIC RAYS AND NUCLEAR PRODUCTION IN LARGE CRYSTALS OF SILVER STEPS + IRREVERSIBLE PROCESSES IN CONSERVATIVEYAPICAL SY ACANTAL +THE TRANSPORT PROPERTIES OF A FULLY IONIZED GAS I. ELETTRONICAFICA PRODOTTA PER PFZZC CINATTIVAZIONE ELETTRONICAFICAGRAFICO PRODOTTO DA ILLUMINAZIONEGNATIVO OF THE AGRICULTURAL PRODUCER INCOPERATIVE SETTLEMENTS A STAPLING INFINITE PRODUCT JUN 1961 NOTE ON THE TENSOR PRODUCT OF BANACH ALGEBRAS JUN 60 OPE REPORTS ON THE DICK PRODUCT OF INTEGRATING FIELDS S 1959 ON THE ITERATION PRODUCT OF SUPPABILITY METHOD NEWEW LASSES CPRANSFORMATION+ PRODUCT OF SUPPABILITY METHODS NO+ C CLASSESF +AUG 1960 THE PRODUCT OF SUPPABILITY METHODS., NEW 30 AS SPILLATION PRODUCT OF THE COSMIC RAYS INETEORIT TUDY OF THE SUN AND THE PRODUCT OF THE CODES, AUGUST961.+A S STRONG CONVERGENCE IN A PRODUCT SPACE JUNE 1961 FFERENTIAL EQUATIONS ON PRODUCT SPACES JAN960 + OF DI EIGENVALUES OF JORDAN PRODUCTS CIAL LIMITS OF BLASCHKE PRODUCTS ON THE RA VALUES OF THE HADAMARD PRODUCTS 1962 THE FIELD OF NG SULFUR+CONTAINING DYE PRODUCTS + THE STOICHIOMETRY A LIGLIO PRODUCTS ANC COMPETITIVE RATES JUN AS NOV 5 TRIPLE TENSION PRODUCTS ANC PULTIPLE RUNNETH FORMUL 1961 ON PRACTICAL CLPO PRODUCTS ANC THE TRANSGRESSIONOPERATO LANTITATIVE ANALYSESP PRODUCTS PROP CYCLYSIS + ANC Q WITH COMPOLSTION PRODUCTS IN THE COMPUSTION CHAMBER PROPERTIES OF THE PRODUCTS OF H2+L2OPPUSTION AT ELEVAT PENETONE FUNCTIONS AND PRODUCTS OF INDEPENDENTUNCTIONS APA ON TENSOR PRODUCTS OF N-PLANE BUNDLES NOV 1958 ITIES USED IN THECPRAL+ PRODUCTS OF PRINCIPAL VALUE SINGULAR POLECULAR ORIGINS OF PRODUCTS OF REACTICN OF PROPYLENE ON PRODUCTS OF STABLERE FUNCTIONS 1962 THE PEACEPERIC PRODUCTS OF THE REACTION WITH 1 3 IS JUL96+ON WEIERSTRASS PRODUCTS OF ZERO TYPE ON THE REAL AX OF CRYOGENICALLY STABLE PRODUCTS OPISSOCIATED WATER VAPOR F P.D.F. +S OF SLPS AND PRODUCTS, SEPTEMBER 1962+EXAPPLES O LOWER POLECULAR WEIGHT PRODUCTS,UGUST 1960 + THECPRATION OF CIES ON THE KINETICS OF PROTEIN SYNTHESIS IN YEAST STU PE GENERAL ORIENTATIONS PROFILE IGOP+ T PE GENERAL ORIENTATIONS PROFILE IGOP+.+ VALIDATION STUDY T LOOPS CA THE VELOCITY PROFILE IN AAGNETOHYDRODLYNAMIC CHANN THE WALL JETNC BLASIUS PROFILE OCT 1960 + APPLIED TO 2 THE PROJECTECATENSITY PROFILE 91 JULY 1961+ MEASUREMENTS C
bADC TN 59-188 APOSR 2242 APOSR TN 60-1492 APOSR 4300 ARL-141 APOSR 3998 ARL-M001 APOSR TN 60-250 APOSR 3123 APOSR 3696 APOSR TN 60-867 APOSR 4280 APCRL-62-1021 APOSR 721 APOSR 4357 APOSR 9232 APOSR TN 59-207 ARL-C005 APCRL-759 APCRL-62-307 APCRC-TR-60-143 APCRL-596 APCRL-579 APOSR 418 APCRL-62-213 APOSR 667 APOSR 303 APOSR TR 60-87 APOSR 885 APCRL-520 APOSR 3850 APOSR TR 59-213 APCRC-TN-59-598 APOSR TN 60-60 APOSR 2124 APOSR TN 60-618 APOSR 1202 APOSR 488 APOSR 1264 ARL 59 ARL 2041 APOSR TN 59-771 APOSR 2274 APCRC-TN 59-670 ARL 62-414 APOSR 676 APOSR 3864 APOSR TN 60-900 APOSR 836 APOSR TN 60-523 APOSR TN 59-935 APOSR TN 59-956 APOSR TN 59-957 APOSR 2164 APCRL-192 APCRL-62-102 APCRL-680 APOSR 4056 APOSR TN 59-510 APOSR TN 59-960 APOSR TN 60-78 APOSR 207 APOSR 2957 APOSR TR 60-104 APOSR 1295 AFOSR 390 APCRL-62-6 APOSR TR 59-448 APOSR 2553 APOSR TN 59-1132 APOSR TN 59-1093 ARL-TN 60-156 APOSR 2976 APOSR 4050 APCRC-TN-59-266 ARL 111 APOSR 1102 APOSR TN 59-203 AFOSR 1744 APOSR TN 60-1192 APCRL-184 APOSR TN 60-619 APOSR 3439 APOSR 1368 ARL-8 APOSR 4340 APOSR 2107 ARL 62-351 APOSR TN 59-533 APOSR TN 58-1128 APOSR 241 APCRL-62-506 ARL-116 ARL-C032 ARL-C033 APOSR 1395 APOSR 598 APOSR TN 59-1237 APOSR TN 59-1238 AFOSR TR 59-444 APOSR 572 APCRL-TN-60-1129 APOSR 2059 APOSR TR 59-58 ARL 62-359 APOSR TR 59-448 APOSR TR 59-37 APOSR 3364 APCRC-TR-59-1612 APCRC-TR-59-1611 APOSR 1620 ARL-C015 APOSR TN 59-559 APCRL-62-1071 APCRL-267 APOSR 3996 APOSR TN 59-558 AFOSR TR 60-116 APOSR 2999 ARL 68 APOSR 2499 APOSR TN 59-195 APOSR 3200 APOSR 2849 APOSR TN 60-610 AFOSR 529 APOSR 768 APOSR TN 59-1260 APOSR TN 59-227 APOSR TN 59-732 APCRL-26 APCRC-TN-60-460 APOSR TR 59-603 APOSR TN 59-1047 APOSR TN 59-190 APOSR 3174 APOSR 1199 APOSR 1089 APOSR TN 58-967 APOSR 3158 APOSR 1190 APOSR 2200 APOSR TR 59-440 APOSR TN 59-440 APOSR TN 60-1091 APOSR 1832 ARL-C019 APOSR 2090 APCRL-931111 APCRL-313 APCRL-595 APCRL-60 APCRL-1069111 APCRL-62-813 APOSR 3436 APOSR 3276 APOSR 839 APCRL-62-64 APCRL-549 APCRL-977 APCRL-TN-60-1138 APCRL-62-946 APCRL-62-390 APCRL-62-719 APOSR 191 APCRL-62-19 APCRL-TN-60-287 APCRL-62-916 APCRC-TN-59-202 APCRL-TN-54-53 APGSR TN 60-1391 APCRL-62-827 AFOSR TN 60-1492 APOSR 2597 APCRL-62-911 APCRC-TR-59-57 APCRC-TN-59-791 APCRL-TN-60-1114 APOSR 2918 APOSR 2866 APCRL-62-597 APCRL-62-127 APCRL-TR-60-363 APCRL-62-1098 APOSR 2593 APCRL-62-314 APCRL-62-1[0 APCRL-62-984 APOSR 934 AFOSR 2595 ARL-C017 APOSR 3030 APCSR 264 AFOSR TN 60-945 AFOSR TN 59-972 AFOSR TN 60-1203 APOSR 2260 APOSR 902 APOSR TN 60-671 APOSR 1836 AFOSR TN 59-343 AFOSR TN 59-818 AFOSR TN 60-[1[APCRL-624 APCRL-723 APOSR 501 AFOSR TN 59-1285 APOSR 3290 APOSR 3258 APOSR 3330 AFOSR TN 59-570 AFOSR TN 59-641 AFOSR TN 60-67 APOSR 910 APCSR 454 AFOSR TN 59-147 AFOSR 3760 APCSR 515 AFOSR TR 58-1022 AFOSR TN 60-947 APCRL-62-444 APOSR 2014 APOSR 3752 AFOSR TN 60-807 APOSR 1266 APCRL-62-795 ARL-TN-60-139 AFOSR 1788 AFOSR TN 59-619 AFOSR TN 59-804 APOSR TN 60-1181 AFOSR TN 60-1340 ARL 62-401 ARL 227

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PAST A FINITE WEDGE PROFILES A HIGH SUBSONIC STREAM AFOSR 916
OSITE HOBAY DIFFRACTION PROFILES ANALYSIS OF COMP AFOSR TN 59-1190
ATORS WITH GRADIENT VELOCITY PROFILES AND EFFICIENCY OF PNC GENER AFOSR 1595
APPLIED TO FLOW PAST PROFILES AND INPTS. FINAL REPORT AFOSR TN 60-61
STRONG VERTICAL WIND PROFILES AND UPPER-LEVEL RAWINSON WIND AFCRC-TN-60-411
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TO PLASMA DENSITY PROFILES BEHIND SHOCK WAVES60 JOI AFCRC-TN-60-144
PROFILES FOR PLENTYCOUNTY MEDISPHERE AFCRL-297
G CATAEC 59 DESIGN WIND PROFILES PROP JAPANESE RELAY SOUNDIN AFCRC-TN-59-292
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, JULY59++ ALPHA AND CO PROFILES IN CHROMOSPHERIC SPICULES AFCRC-TN-59-291
+ BETA, + GAMMA AND PROFILES IN CHROMOSPHERIC SPICULES, AFCRL-TN-60-651
ARING GAS ABOUT + SPECA PROFILES IN HYPERSONIC FLOW OF A REL AFOSR 263
OF TEMPERATURE PROFILES IN LAMINAR AND+BOUNDARY ARL-TN 60-101
ATICALLY SPECIFIED WIND PROFILES OCT 59 + CHARTS PORLIN AFCRC-TR-59-286
AND VERTICAL WIND PROFILES OF THE SUBTROPICARC POLAR AFCRC-TN-59-662
IV. REVISED PROFILES OF INFCERMS SURFACE AND AFCRC-TN-60-268
L PID+LATITUDE PCISTURE PROFILES TO 31 MPULY 1962. + ANNUA AFCRL-62-681
AND MEAN WIND PROFILES WITHING ATMOSPHERIC ROUNDA AFCRL-TR-60-427
FULLY DEVELOPED PIPING PROFILES,+FRICTION COEFFICIENTSOR A AFOSR TN 59-300
PRESCRIBED WITH SPECIAL PROFILES, NOVEMBER 15, 1961.+IMPROG AFCRL-992
INDUZICAR GAL SCHOO PROFCHOO REL GATTO PEDIANTE STIMOLAZ AFOSR 749
CTIVITY EFFECT CP PROGESTERONE ON PLASMA LUTEINIZING A AFOSR 1713
EFFECT CP CESTROGEN AND PROGESTERONE ON THE NEST+BUILDING CP AFOSR TN 60-1315
BY ALTERNSTRUCTIONAL PROGRAMCH VARIES AND WHICH DO NOT AFOSR 3540
N IGY APATELP CONSERVING PROGRAMAY 31, 1960. + RESULTS FROM A AFCRL-TR-60-281
LP RESEARCH INFORMATION PROGRAMEPORT JUN 1962 + OF SMALL CRO AFOSR 1009
OF WEATHER REPORTS, I PROGRAMPED FOR IBEM 704' DECEMBER AFCRL-TR-60-424
FACILAS RELATED TO PROGRAMMED INSTRUCTIONAL REPORT AFOSR 3704
CRDITS, OPTIMAL PROGRAMMING AND CONTROL OF SATELLITE ARL-M014
PRINCIPLES + DYNAMIC PROGRAMMING AND PONTRYAGIN+S MAXIMUM AFOSR 865
NUMERICAL ANALYSIS, PROGRAMMING AND+DYNAMICS, N-C31960' AFCRL-TR-60-359
CGRAPHICANALYSIS+INVERSE PROGRAMMING AS A TOOL IN GAS CHROMAT ARL-C066
INVERSE TEMPERATURE PROGRAMMING IN GAS CHROMATOGRAPHY, ARL-C067
PROBLEMS INATHEMATICAL PROGRAMMING JUN 1962+ GLADIATOR+TYPE AFOSR 3044
OF FORTRAN AND SYMBOLIC PROGRAMMING ON THE IBM620 COMPUTER, ARL-179
OF LINEARNC DYNAPIC PROGRAMMING IC COMPLNICATION PHLBLEM AFCRC-TR-59-101
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TEC + OPTIMAL BLENDING PROGRAMS FOR AN IDEALIZEDPWAVE+DIREC AFOSR 2015
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SCRE COMPUTER PROGRAMS FOR STUDIES OF COMPLEXORBAT AFOSR 5217
EQUATIONS FOR THALST PROGRAMS JUN 1960 AFOSR TN 60-419
WITH SEVERAL+TURNING PROGRAMS OF SIMPLE ANALYTICAL FORM AFOSR 1008
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EASES! PROGRAMS,9596+1960', JULY 1, 1961. AFCRL-635
FILTERING IL' TECHNICAL PROGRESSNOM 2 JAN TC 30 JUN 1962 AFOSR 3747
ELATON CIVARTICIPATION PROJ PAR DISE FINAL APT OF THIOKOL AFOSR TR 59-18
OF CONSERVED PROJECTED INTENSITIES INTOADIAL ARL 68
SUR L+ORGANISATION DES PROJECTION APPARENTESU NIVEAU DU AFOSR TN 60-1313
VELOPMENT MODEL OF + PROJECTION DISPLAY SYSTEM FOR THE DE AFCRC-TR-59-107
CP EIGENVALLERCELEP BY PROJECTION OPERATOR FORMALISM I ARL 241
Y,GGRESSICA ANXIETY AND PROJECTION SEP 1959+TEST OF HOSTILIT AFOSR TN 59-949
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ING BOSTON AIRPORT CP PROJECTIONS COMPUT AFOSR 5247
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PICROPHYSICLOGICLE DES PROJECTIONS SENSORIELLESU NIVEAU DU AFOSR TN 60-1443
CE PEDIANE ANTERIEUREL+ PROJECTIONS SCPES HESITGUES SUR LA FA AFOSR 237
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1962 SOME IMPRESIONS OF PROJECTIVE SPACE IN EUCLIDEAN SPACE AFOSR 1971
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TRIALS VERSUS PROMPTED TRIALSLCNE IN PAIRED+ASSOCI AFOSR TN 60-800
ICANOCED+IPE EFFECTS CP PROMPTING TRIALS AND PARTIAL CORRECT AFOSR 1343
CP ENGLISH PRONUNCIATICA AS AMID IN TEACHING AFCRC-TN-59-75
RCXIMATION EXTENSICA CP PRONY+S METHCC IC FREQUENCY DCMAINPP AFOSR 3048
1961. AN EXISTENCE PROOF FCR FREE BOOLEAN RINGS, AUGUST AFCRL-719
A GRCLP THECRETICAL PROOF CP BRAPER+S THEOREM AFOSR TN 60-490
HEIFFERAT+CN PCMPEIL+S PROOF OF THE PEAK VALUE THECREM OF T AFOSR 1081
FAILS CNCN+NEGATI+A NEW PROOF OF,,GABCR+S EXPANSION THEORIM, AFOSR 411
, NCTE CN THE PROOF PROCEDURE,, ARIOPS FCR NUMBER AFOSR TN 59-124
THEC,YE+A CCMPLTATICNAL PROOF THAT ANY BIRATIONAL CLASS OF N AFOSR TN 59-89
CN+SINGULARPLAFACES + PROOFORPULATIONS OF THE PACPOSITICNA AFCRL-951
FCR THE SLOCRCINATE PROOFS FOR THE FUNDAMENTAL THEOREM O AFCRL-903
P INFORPATICNMECH+THREE PROOFS IN THERDPOSITIONAL CALVULUS. AFCRC-TN-62-367
GENERATICA OF SIMPLEST PROOFS OF THE THECREMS CP J S LOMENT AFOSR 2466
AND M E PCSESN +SIMPLE FOUR PAPERS CN WAVE PROPAGATION AFCRC-TN-60-956
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GHT + TRANSEQUATORIAL PROPAGATION ANALYSIS IONOSPHERIC MEI AFCRL-62-345
MCCENA+TRANSEQUATORIAL PROPAGATION ANALYSIS RAY TRACING AND AFCRL-62-947
ENERGYPP+FATIGLE CRACK PROPAGATION AND APPLIED STRESS+++ AN ARL 58
NCTES CN METECR+BURST PROPAGATION AND COMMUNICATION. I.LER AFCRC-TN-60-567
S+ACTES CN METECR+BURST PROPAGATION AND COMMUNICATION. II.OS AFCRC-TN-60-568
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CP BACK+SCATTER PROPAGATION BETWEENZERAN, MONTANA AFCRC-TN-60-170
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CTRIC ACC WAVEGUIDEAR + PROPAGATION CHARACTERISTICS OF EIBLE AFOSR TN 60-607
TMCSPHERE,CTCR+STUDY CP PROPAGATION CHARACTERISTICS OF THE A AFCRC-TN-60-378
INTEGRAL PCR PROPAGATION CONSTANT OF A LOSSYWAVGP AFCRC-TN-59-859
DETERMINATICA CF THE PROPAGATION CONSTANT OF MODESA A AFCRC-TN-60-119
FICIALATELLI+A STUDY CP PROPAGATION DATA COLLECTEE PROCP ARTI AFCRC-TR-60-121
C PROCESSING CP P+LAYER PROPAGATION DATABC 15 1958 + AN AFCRC-TN-59-202
ALACHINGS,ART+IL' RADIC PROPAGATION EFFECTS DURING MISSILE L AFCRL-TN-60-1501
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SPACEIVERS+TRCPOSPHERIC PROPAGATION FIELD PEASUREMENTS WITH AFCRL-960
VELOCITY AND ENERGY PROPAGATION FCR THREE+IMENSIONAL AFOSR 2461
CP AND SCATTER PROPAGATION FROM ARTIFICIAREGULARIT AFCRL-62-512
CAS CP TRANS+EQUATORIAL PROPAGATION FROM BRISBANEARCH 1962. AFCRL-62-963
T TEMPORAL CP +ACCELERIC PROPAGATION IN A DIATOMIC GAS SUBJEC AFOSR TN 59-1057
ZERO TEMPERATURE SCLNC PROPAGATION IN A DILUTE PERMI GAS AT AFOSR TN 60-395
INDER PCR PLANE WAVE PROPAGATION IN A LOSSLESSMAGNETO+IONI AFCRL-TN-60-859
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57 + SEP 3C 59 WAVE PROPAGATION IN A PLASMA+CABLE OCT 1 AFCRC-TR-60-110
RACTION +STUDY CP SPECCH PROPAGATION IN A RAREFIED PLASMA,NTE AFCRL-62-240
SHCCK WAVE PROPAGATION IN AIGLID PROPELLANT AFOSR 3490
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N 1961 MICRCWAVE PROPAGATION IN AROPATIC COPPOUNDS JU AFOSR 1147
ECIA, PROPAGATION IN BOUNCED ANISOTROPIC M AFCRL-718
SHEET, CRACK PROPAGATION IN COLD ROLLED ALUMINUM ARL-M022
SHEET CRACK PROPAGATION IN COLD+ROLLEC ALUMINUM ARL 2016
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JAN 1959 RADIOWAVE PROPAGATION IN INTERPLANETARY MAGNET AFOSR TN 59-165
DYNAMIC NON+LINEAR WAVE PROPAGATION IN IONIZED MEDIA . 0.CAI AFCRL-62-969
DYNAPIC NON+LINEAR WAVE PROPAGATION IN IONIZED MEDIA. 1.ME AFCRL-62-125
DYNAPIC NON+LINEAR WAVE PROPAGATION IN IONIZED MEDIA. 2.ME AFCRL-62-185
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JAN. 196C. ANALYTIC PROPERTIES OF PERTURBATION THEORY AFOSR TN 60-277
GATION CF THE PICPCWAVE PROPERTIES OF PLASPAS DEC 59•INVESTI AFCRC-TN-60-113
ESTIGATICN OF PICPCWAVE PROPERTIES OF PLASPAS MAY 1960 INV AFCRC-TN-60-490
ESTIGATICN CF PICPCWAVE PROPERTIES OF PLASPAS OCT 59 INV AFCRC-TN-59-796
CF TRANSPCRT PROPERTIES OF PLASPAS USINGHE LINEAR ARL-TR 60-306
CF PICPCWAVE PROPERTIES OF PLASPAS,ANUARY 1961. AFCRL-7
CF PICPCWAVE PROPERTIES OF PLASPAS,UGUST 1960. AFCRL-TN-60-996
TCOL PORNVESTIGATICN CF PROPERTIES OF PLASTICS. • A NEW ARL-C045
PCRNVESTIGATICN CF THE PROPERTIES OF PLASTICS, 1962.SSOCIAT AFL-62-441
ALS PAGNETIC PROPERTIES OF POLYCRYSTALLINE MATERI AFOSR TN 59-272
MAGNETIC AND STRLCTURAL PROPERTIES OF PRECIPITATING AFOSR 2345
PROP THE PCCN AMCD•SCPE PROPERTIES OF RADIC WAVES REFLECTED AFCRL-TN-60-779
OPTICAL8•J STUCY CF THE PROPERTIES OF RADIOACTIVE NUCLEI BY AFOSR TR 60-82
S CF THECAIT•ANALYTICAL PROPERTIES OF S MATRIX AND UNIQUENES AFOSR 1014
PRARED JUN 1960 OPTICAL PROPERTIES OF SAPPHIRE IN THE FAR IN AFOSR 1003
TICNS IN THE DIELECTRIC PROPERTIES OF SAPPHIRE SAMPLES•VARIA ARL 2034
0 VIOPPC•SPIN RESCNANCE PROPERTIES OF SAPPHIRES CERTAIN ALI AFOSR TR 60-131
THERPCCYNAPIC PROPERTIES OF SELECTED GASES REVIEW ARL 62-358
INIAGAADC•THERPCCYNAPIC PROPERTIES OF SELECTED SPECIES CONTA ARL 62-190
1960 HIGH TEPPERATURE PROPERTIES OF SEPICONDUCTORS AUGUST WADD TR 60-766
OF SURFACE PROPERTIES OF SILICCN AND OTHERMICO APCRC-TN-59-372
OF SURFACE PROPERTIES OF SILICCN AND OTHERMICO APCRC-TN-60-178
OF SURFACE PROPERTIES OF SILICCN AND OTHERMICO APCRC-TN-60-128
OF SURFACE PROPERTIES OF SILICCN AND OTHERMICO APCRC-TR-59-197
OF SURFACE PROPERTIES OF SILICCN AND OTHERMICO APCRC-TN-59-191
OF SURFACE PROPERTIES OF SILICON ANOTHER SEMICO AFCRL-TN-60-1135
OF SURFACE PROPERTIES OF SILICON ANOTHER SEMICO APCRL-62-944

OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTALBELLURIUM AFOSR 284
OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTALBELLURIUM AFOSR 2640
CH THE PYROELECTRIC PROPERTIES OF SINGLE CRYSTALSP CADMI ARL-TR 60-301
NERTUNGA+MAY 1960. SOME PROPERTIES OF SINGLE LOOP DIAGRAMS I AFOSR TN 60-728
OPTICAL AND ELECTRICAL PROPERTIES OF SINGLECRYSTAL TELLURIUM AFOSR 1469
OPTICAL AND ELECTRICAL PROPERTIES OF SINGLECRYSTAL TELLURIUM AFOSR 1470
LE EQUATICNSITH A +SOME PROPERTIES OF SINGULAR STURM+LIOUVIL ARL 62-437
RESEARCH IN MECHANICAL PROPERTIES OF [illegible] AFOSR TN 60-222
TE ON THE THERMOELYNAMIC PROPERTIES OF SMALL SYSTEMS NO AFOSR 4119
LCYSANULAR+THERMOELYNAMIC PROPERTIES OF SOLID COPPER+NICKEL AL ARL 62-327
II. THERMODYNAMIC PROPERTIES OF SOLID GOLD+NICKEL AFOSR 3007
SPECIAL PITTANCE PROPERTIES OF SOLID MATERIALS,,CTCOE AFCRL-TR-60-416
THERMAL RADIATION PROPERTIES OF SOLIDMATERIALS MAR 51 AFCRC-TN-60-165
MAGNETIC AND STRUCTURE PROPERTIES OF SOLIDS AND SOLUTIONSIN AFOSR 4318
PGGb PHYSICAL PROPERTIES OF SOLIDS FINAL REPORT AFOSR 3884
THE OPTICAL PROPERTIES OF SOLIDS FINAL REPORT AFOSR 2247
OPTICAL AND ELECTRICAL PROPERTIES OF SOLIDS SERGEI • REPORT AFOSR 1489
MATRIXIFFERENTIAL • PROPERTIES OF SOLUTIONS OF A RICCATI AFOSR TN 59-826
IAL INEQUALITIES AU596• PROPERTIES OF SOLUTIONS OF DIFFERENT AFOSR TN 60-1130
PARTIALIFFERENTIA+LOCAL PROPERTIES OF SOLUTIONS OF ELLIPTIC AFOSR 3329
FFERENT+A ACTE CN LOCAL PROPERTIES OF SOLUTIONS OF ELLIPTICI AFOSR 3330
EQUATICNS ANONEGLALITY PROPERTIES OF SOLUTIONS OF PARABOLIC AFOSR TN 60-297
FUNCTIONS PROPERTIES OF SOME ALL+POLE TRANSFER AFOSR 4223
CENT AM+YCNG BASES PROPERTIES OF SOME CYCLOPENTADIENYLI AFOSR 1372
ERS NOV 1959 MAGNETIC PROPERTIES OF SOME FERRITE PICROPCND WADC TR 59-709
POLYDISCEPOE+ELECTRONIC PROPERTIES OF SOME INTERMETALLIC COM ARL 131
PINE +THE SYNTHESIS AND PROPERTIES OF SOME POLYPHENYLS ANDRO ARL 62-306
ER 1959 PREPARATION AND PROPERTIES OF SOME POLYPHENYLSEPTENO WADC TR 59-496
N GARNETSEPTIER+MAGNETIC PROPERTIES OF SOME RARE EARTH IONS I AFCRL-497
CALLATES COLORIMETRIC PROPERTIES OF SOME TRANSITION METAL AFOSR 3005
CNCENTRATICNS,+PAGNETIC PROPERTIES OF SPINS IN SOLIDS AT LOW AFCRL-922
ANC TRANSMISSICN PROPERTIES OF SPRAYSNDATED ITA CTC AFOSR 17
FEB 1959 PROPERTIES OF SULFICE SEMICCNDUCTORS AFOSR TR 59-4
CPPCU+THE THERMOCYNAMIC PROPERTIES OF TECHNETIUM AND RHENIUM AFOSR TN 59-968
CUPYATLPE PROPERTIES OF TEICHMULLER+S SPACE AFOSR 8
ERE • INVESTIGATICNS CF PROPERTIES OF THE ALBORAL ZCNECNOSPH AFCRL-62-380
THEALVANI+SCME PERPCNAE PROPERTIES OF THE EFFECTOR CRGAN IN AFOSR TN 59-887
HE PRESENCE OFN +CN THE PROPERTIES OF THE ELECTRON BEAP IN T AFCRC-TN-60-350
N INERTURBATION • SCME PROPERTIES OF THE FIVE+POINT FUNCTIO AFOSR 779
CN CF THERABOLIC +SCME PROPERTIES OF THE FUNDAMENTAL SOLUTI AFOSR TN 59-789
ICE ISLANCT+3*+PHYSICAL PROPERTIES OF THE ICE OF PLETCHER+S AFCRL-62-443
ANC STRUCTURAL PROPERTIES OF THE INTERMIPPCCAMPAIGN AFOSR TN 59-1317
97 CN THE EXISTENCE AND PROPERTIES OF THE LANGENTEGRAL+MAY 19 AFOSR TN 57-233
PATCN INEGRESSICN +SCME PROPERTIES OF THE LEAST SQUARES ESTI AFCSR 892
RP CPAGNETITE PAGNETIC PROPERTIES OF THE LCW TEMPERATURE FO AFOSR 3665
F EC 62+ELECTROPAGNETIC PROPERTIES OF THE LCW+LYING STATES O AFOSR 1499
PROBABILITYNCTI+LSEFUL PROPERTIES OF THE PAJORITY BINOMIAL AFCRL-967
CN THE MCPCTCPY PROPERTIES OF THE PAPPING SPACE X SP AFOSR TN 60-272
ELECTRIC ANISCTROPIC PROPERTIES OF THE PETALLIC+STRIPTYPE AFCRL-TN-60-1127
PRUST+THE THERMOCYNAMIC PROPERTIES OF THE PRODUCTS CF H2+C2O AFOSR 3740
WITH PROTEIN PHYSICAL PROPERTIES OF THE PROTEIN DETERGENT AFOSR 23
LAR ICNCSPHERICATE+SCME PROPERTIES OF THE REGULAR AND IRREGU AFCRC-TN-60-152
TC STEADY ILLUMINATIC+ PROPERTIES OF THE RETINA IN RESPONSE AFOSR 4243
ON THE ELECTRONIC PROPERTIES OF THE SILVER ANCHRALI AFOSR 2272
SYSTEMS LNCERENCE+SCME PROPERTIES OF THE SIO2+SI AND SIO+SI AFCRL-1105
IT+L2N+0+C JUL 1960 PROPERTIES OF THE SOLUTIONS OF U / G AFOSR TN 60-810
ANDA++THE THERMOCYNAMIC PROPERTIES OF THE SYSTEMS NO+N, V+M AFOSR 1107
C NEAR 0.07 PEV, PROPERTIES OF THE TWO STATES OF CA A ARL P076
EDUCED FRCP THEACIATIC+ PROPERTIES OF THE UPPER ATMCSPHERE C AFOSR TN 59-150
EDUCED FRCP THEACIATIC+ PROPERTIES OF THE UPPER ATMCSPHERE G AFCRC-TN-59-306
BLEACHING ANC SYPPETRY PROPERTIES OF THE V A CENTER AFOSR 4257
REIDLES +STUDIES CF THE PROPERTIES OF THE WIND ANC TEMPERATU AFCRC-TR-60-215
Y 1961 PROPERTIES OF THE 32 POINT GROUPS MA AFOSR 830
INERTUR+LN THE ANALYTIC PROPERTIES OF THE 4+POINT FUNCTICNS AFOSR TN 60-806
OPTICAL ANC THERPAL PROPERTIES OF THE2 VB N3 VIP SEMICON AFOSR TN 60-124
RBITES BY PICROWAVEEAS+ PROPERTIES OF THIN FILPS ANC PULK PR AFOSR TN 60-1331
S CF ANNT+STRUCTURE AND PROPERTIES OF THIN FILPS, PROCEEDING AFOSR TN 59-212
PCLAROGRAPHIC ANC ACID PROPERTIES OF THORIUM PERCHLORATE AFOSR 90
ATES MAR 1960 NETWORK PROPERTIES OF THREE TERMINAL HALL PL AFOSR TN 60-351
+PCMTCPY ANC ISTCPY PROPERTIES OF TCPOLCGICAL SPACESOV AFOSR TN 59-1108
IN PERTLBATIC+ANALYTIC PROPERTIES OF TRANSITION AMPLITUDES AFOSR TN 59-436
SCME RIGCROUS ANALYTIC PROPERTIES OF TRANSITIONAMPLITUDES, AFOSR TN 60-116
OF SEMICONDUCTING PROPERTIES OF TYPE TIBIAMCNES MAY AFOSR 2642
15 59 STUDY CF THE PROPERTIES OF ULTRA PURE NICKEL DEC AFCRC-TN-59-966
96C STUDY CF THE PROPERTIES OF ULTRAPURE NICKEL JAN 1 AFCRC-TR-60-144
STUDIES CF THE ANGULAR PROPERTIES OF VHF+ALRORALEFLECTIONS, AFCRL-62-119
NSCHANTSAY 1961, CN THE PROPERTIES OF VCICELESS PRICATIVE CO AFCRL-62-97
ETIC CRYSTALS SYPPETRY PROPERTIES OF WAVE FUNCTIONS IN MAGN AFOSR 2056
CN THE ELECTROPAGNETIC PROPERTIES OF WEDGES AND CONESITH A AFCRL-TN-60-978
SESAR • SCME SPECTRAL PROPERTIES OF WEIGHTED RANDOM PROCES AFCRC-TN-59-160
PART II JLL1960 PROPERTIES OF ZCNE REFINED TITANIUM AFOSR TN 60-695
ANCIRCCNILP • PART I • PROPERTIES OF ZCNE REFINED TITANIUM AFOSR TN 60-694
CTRUM ANC THERMOCYNAPIC PROPERTIES OFASEOUS SULFUR TRIOXIDE AFOSR 1211
ADSORPTICN ANC CTHER PROPERTIES OFCTIVATED ATMCSPHERIC AFCRL-62-633
AND PHYSICO+CHPICAL PROPERTIES OFECCRCUS COPPOUNES AFOSR TN 59-1006
CN CERTAIN PHYSICAL PROPERTIES OFERMCELECTRIC SALT CYRST AFCRL-93
STUDIES VII CPTICAL PROPERTIES OFESCNANCE CLOUDS WITH AFCRL-207
RESEARCH CN SCLIC STATE PROPERTIES OFETALLIC, CERAMIC ANC AFOSR TN 59-123
STRESSES CN MECHANICAL PROPERTIES OFETALS UNDER HIGH PRESSU AFOSR 1716
THERMAL ANC ELECTRICAL PROPERTIES OFPE PERCURY+TELLURIDE AFCRC-TN-60-753
STUDIES VI CPTICAL PROPERTIES OFPENTLUPINESCENT CLOUDS AFCRL-201
CN THE PAGNETIC PROPERTIES OFTLICCA+IRON CCRALT+IRON WADC TN 59-240
ANC PLASUREPENTS CF PROPERTIES OFINGLICA+CRYSTAL SILICON AFCRC-TR-59-125
PRESSURE CN ELECTRICAL PROPERTIES OFIO, COC, CUO, ANC CU2O AFOSR TN 60-629
OF THE ELECTRICAL PROPERTIES OFIZ SE3 AT ELEVATED AFOSR TN 60-631
FCR INVESTIGATING THE PROPERTIES OFLLUTICNS AT HIGH TEMPER AFCRL-51
SPEATH CN THE IPPEDANCE PROPERTIES OFCME SLCT ANTENNAE, PT. AFCRC-TN-59-993
STRUCTURE ANC PAGNETIC PROPERTIES OFCME URANIUM CHALCOGENI ARL 62-427
CF PACTCRS CONTRCLLING PROPERTIES OFRESSURE+SINTERED ALRALI AFOSR TN 60-707
CN THE PAGNETIC PROPERTIES OFRCN ANC NICKEL OF VERY AFOSR TR 60-66
ARCPENT CN THE PAGNETIC PROPERTIES OFRON. SEP 1958 • BCMB AFOSR TN 58-1096
OF SULFIDING CN THE PROPERTIES OFLPREOLS OXIDE PHOTOVOLT AFOSR TN 60-725
YNCPICAL ESTIPATICN SCME PROPERTIES CN OPTIPAL SPACING IN POL AFOSR 3097
HERICCMPERATURES • SCME PROPERTIES CI VANACIUM AT SUBATOMICSP AFOSR TN 59-1003
ANC THEIR PROPERTIES PART IIECH, NOTE NC. 8 • AFOSR TN 59-614
ESTIGATICN CF PICROWAVE PROPERTIES PLASPAS FEB 60 INV AFCRC-TN-60-185
PULTATICNS CF PCLYCLLAR PROPERTIES TECEPCBT 1957•9 PART TWO AFOSR TN 60-9
OF LCCAL ANC PECIAL PROPERTIES TCCPPACTIFICATICNS WITH AFOSR TN 60-1062
ID USEFUL SEMICNCLETING PROPERTIES 1959• OF TO DETERPINE THE AFCRC-TN-59-961
II-IV TYPE ANDCNCLETING PROPERTIES 1959IATURES THERE OF TC AFCRC-TN-59-962
ANSFORPATICNS ANC THEIR PROPERTIES. PART 9 • NEW CLASSESF TR AFOSR TN 60-1101
NIC CRYSTALS DIELECTRIC PROPERTIES, • CPATER VAPCUR CN IO AFCRL-62-1133
WATER+NSC+PREPARATICN, PROPERTIES, ANC APPLICATICNS OF SCME AFOSR 4106
FERRIPAGNETIC RESCNANCE PROPERTIES,UNE 10, 1960. • OF AFCRL-101
SLOR+V PROPERTIES CFRCFLUCROCYCLCBUTANE.P AFOSR TN 59-493
961 CN THE EXTENSICN PROPERTY FOR CCMPACT OPERATCRS OCT 1 AFOSR 2086
LF CF THE STRONG PARRCV PROPERTY IN PROBABILITY THEOR+THE AO AFOSR TN 59-1035
NCTE CN THE-PEJA VALLE PROPERTY MAY 1961 A AFOSR 672
S JLA 59, A PROPERTY OF OCHHOOD REGULAR FUNCTION AFOSR TN 59-669
IPOSSICNAL • A PARIPLR PROPERTY OF CALCNUS PROBLEP IMPREE+D AFOSR TN 60-664
EGLENTIAL+CN AN OPTIPUM PROPERTY OF SCME DECHMPCSR SOBOL NON AFOSR TN 60-216
60 A PROPERTY OF THE SYPPLECTIC GROUP NOV AFOSR TN 60-908
APPLICATICN OF CCNSTANT PROPERTY SOLUTIONS TO PASSBANSPER AFOSR TN 59-201
PYSICALS INDER NLPOOOSO• PROPERTY SORT 120° CF ORTHORHOMBIC C AFOSR TN 59-1232
PYSICALS, INDER NLPOOOSO• PROPERTY SORT 105° CF ORTHORHOMBIC C AFOSR TN 60-597
PYSICAL PAPER,CN NOOOOSO• PROPERTY SORT 135° CF ORTHORHOMBIC C AFOSR TN 60-598
ITERATURE+PROPCSITIONAL PROPERTY SORT 90° CCNF.SPONDING TO L AFOSR TN 60-[illegible]
ORTHOR+POPICCRYSTALS • PROPERTY SORTIREPORT NO. 25° OF MERA AFCSR 184
GONAL CRYSTALS INCELAP• PROPERTIES OF A SYSTEM WITH NONZERO T AFOSR TN 59-1061
CTAL PASS ASYPPTCTIC PROPIONITRILE PICROWAVE SP AFOSR 3870
ECTRUM ANC STRUCTURE CF PROPIONOCEPTIVE STIPULATIONA GENERALIZ AFOSR 3566
OF DRIVE PROCLCCE BY PROPORCEPTIVE STIPULATIONA GENERALIZ AFOSR TN 60-1034
ESTIPATICN CF PROPORTION AS A FUNCTION OFLEMENT AFOSR TN 60-872
A SCLAR A RAYSETOEEN I• PROPORTIONAL COUNTER SPECTROMETER PO AFCRL-62-1105
BAYES ESTIPATICN CF PROPORTIONS THE EFFECT OF STIPULUSES AFOSR TN 59-1511
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C SYMPOSIUM CN ADVANCED PROPULSION CCNCEPTS THIR AFOSR 3808
RESEARCH CN PLASMA PROPULSION DEC 1959 AFOSR TR 60-49
FEB 1959 PLASMA PROPULSION DEVICES FOR SPACE FLIGHT AFOSR TN 59-185
FR PCRPPLICATION TO ICN PROPULSION FEB 1959•CONVERSION DEVIC AFOSR TN 59-461
961. ELECTRIC PROPULSION FCR SPACE VEHICLES, MAY 1 AFCRL-357
EXPERIMENTAL ELECTRICAL PROPULSION JLL 1960 AFOSR TR 60-112
NTRY SIPULATICN ANCPACE PROPULSION NCV 1958•HEATERS FOR RE•E AFOSR TN 58-1001
PINCHPCCESS FCR SPACE PROPULSION NCV 1959 AFOSR TN 60-86
BLEMS OF CCMBUSTICN AND PROPULSION NCV 1959 • RELATEDC PRO AFOSR TR 59-174
9, PROBLEMS OF PAGNETIC PROPULSION CF PLASPA OCT 195 AFOSR TN 59-1335
NS PLASPA PCTCRS, THE PROPULSION CF PLASPA BY PAGNETIC PEA AFOSR 1653
ARL PROPULSION RESEARCH ARL-N010
•700 90 •HEAVY PARTICLE PROPULSION RESEARCH MISPRINTED TR 60 AFCSR TR 60-79
DEC 59 •HEAVY PARTICLE PROPULSION RESEARCH, 1 JULY 59 TO 31 AFOSR TR 60-44
MAY 1961 ELECTRIC PROPULSION RSCH SURVEY AFOSR 1632
YSICAL RESEARCH IN THE PROPULSION SCIENCESAR 1960• REPORT P AFOSR TR 60-93
ING CN CHPICAL RIAETIP PROPULSION SEPT 6•7 1960 • MEET AFOSR TN 60-1063
C 1959. CHARGEC CCLLCID PROPULSION SYSTEP DE AFOSR TN 60-212
TION CP CHARGEC CCLLCID PROPULSION SYSTEP INVESTIGA AFOSR 3202
A CHARGEC+LIQUIC+CLLCID PROPULSION SYSTEP • PROGRESS TCWARD AFOSR TN 59-1334
1961 CHARGEC CCLLCID PROPULSION SYSTEP CLARTERLY REPORTP AFOSR 945
1960 CHARGEC CCLLCID PROPULSION SYSTEP, SECCNDQPIANNUAL AFOSR TN 60-1237
CV 1960 CHARGEC•CCLLCID PROPULSION SYSTEP, N AFOSR TN 60-1454
CELES,ALIP•1SST ADVANCED PROPULSION SYSTEPS SYMPCSILP, LOS AN AFOSR TP 59-166
EROTIC SPACE VEHICLE PROPULSION SYSTEPS, ARL-N016
OF ELECTRIC PROPULSION SYSTEPS, SEPTEPBER960. AFCRL-TR-60-183
1961 CHARGEC•CCLLCID PROPULSION SYSTEPUARTERLY REPORT AFOSR 220
PLASPAJET PROPULSION, ARL-N007
CBHYDRCCCRBATICA CPSC• PROPYL ALCCHCL CN CP 203. NCV 1950 AFOSR TN 59-36
PRCCUCTS CF PROPYLENE WITHCTIVE NITROGEN, FINAL AFCRL-62-444
III.ALCCENATED PROPYNES, PRCPENES, BUTENES AND AFOSR TN 60-1210
AS PHYCCERYTHRCBILIA A PROSTHETIC GRCUP OF ALGALHCMCPROTEI AFOSR 2102
THE PROSTHETIC GRCUP CF C•PHYCCCYANIN AFOSR 2101
IEC • AN ATTACHMENT CP PROTAMINES IC CEREBRAL TISSUES, STUD AFOSR 512
IN IPE PROTCDECRCNATION OF ARENEBCRONIC AFOSR TN 60-1346
DEVELLPMENT FOR SLAFACE PROTECTION FCR SILICONEVICES, MARCH AFCRL-62-444
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OF PCAP INSLLATICN CP PROTECTION CF ARCTICIAFIELDS, FINAL AFCRL-827
SILE TESTSE+ACMESICA CP PROTECTIVE COATINGS TO PETALS BY TEN AFOSR TR 59-172
ADRENALINE PROTECTIVE EFFECT CF BARTYLIM ON NOR AFOSR 4344
THE BREAKDCWN CF THE PROTECTIVE OXIDE FILP CN TRANSITICNE AFOSR TN 60-205
PRECIPITATICA CP PROTEIN BY USE CF NCN•IONICETERGENTS AFOSR TN 60-246
OF FREESE AND THE CNA• PROTEIN CODING PROBLEM•AN HYPOTHESIS AFOSR 976
SICAL PROPERTIES CF THE PROTEIN DETERGENT CCMPLEX • IMY AFOSR 23
NCNICNIC CETERGENT WITH PROTEIN IMYSICAL PRCPERTIES OF THE AFOSR 23
CNICNIC CETERGENTS WITH PROTEIN IN PAPELECTRCPHORESIS • OF N AFOSR 24
GLYCINE+1•14 C IN THE PROTEIN OF THE ADRPAL ANDACUGLIZEC AFOSR TN 59-836
RIPENTAL INCREASENA AND PROTEIN SYNTHESIS • AND CLPING ERPE AFOSR 1104
REDUCECELLTATICNE CN PROTEIN SYNTHESIS IN A PARTIALLY AFOSR 3696
NCNICNIC CETERGENT WITH PROTEIN, II.FFECTS CN A BOVINE PLASM AFOSR 343
GLICINA•1•14 NELLE PROTEINEI FEGATE NORPALE E VACUOLIZI AFOSR TN 59-836
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TICNS IN CERTAIN NATIVE PROTEINS • PCRPERY IONIZING RADIA AFOSR TN 60-1249
PRECURSCRS CP PROTEINS ANC CP NUCLEIC ACIES IN AFOSR 4240
ANC PHCSPHATESP •BASIC PROTEINS ANC THE PCTASSIUP POVEMENTS AFOSR 3445
CP NUCLEIC ACIES ANCP PROTEINS OF NEURULAS OF BATRACHIANS AFOSR 4177
HE INDUCEC SYNTHESIS CF PROTEINS 1960 T AFOSR TN 60-1109
NSCLUBLE CERIVATIVES CF PROTEOLYTIC ENZYMES • OF SCME WATER• AFOSR 4106
ACICATALYSIS IN THE PROTCDEBCRCNATION CP ARENEBCRONIC AFOSR TN 60-1270
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AN APP STLCY CF THE PROTCLYSIS KINETICS IN PETHANCL AFOSR TN 59-19
OF A SIPPLE ICCRV PROTCN ACCELERATOR JUN 1960 AFOSR TN 60-484
OF A SIPPLE ICCRV PROTCN ACCELERATOR,LNE 1, 1960. AFCRL-TN-60-497
AND 315, 30•IPTATES BY PROTCN AND ALPHA PARTICLE IPPACT, AFCRL-1015
THE PRIPARY CCSPIC RAY PROTCN AND ALPHA PARTICLE INTENSITIE AFOSR TN 59-455
TRIC DIPCLE PCPENT CF•E PROTCN AND THN NEUTRONC • ELEC AFOSR TN 60-454
92 93 CP REACTICNS • PROTCN ANGULAR DISTRIBUTICNS FROM CN AFOSR TN 59-420
44 46 47 48 C PRACTIC• PROTCN ANGULAR DISTRIBUTICNS FROM IN AFOSR TN 58-665
GATIVE SYSTEP CF •• BY A PROTCN BEAP IN AIR ANC OXYGEN • NE AFCSR 209
RAYS PRCP PRCILP ENERGY PROTCN BCMBARDMENT CF CARBON GAMMA ARL P007
FRCP THE PRCILP ENERGY PROTCN BCMBARDMENT CF LITHIUP, BERYLLI ARL P014
ELECTRCN• PROTCN BREMSSTRAHLUNG DEC 1960 AFOSR 97
RGYANGE • NEGATIVE PICN PROTCN ELASTIC SCATTERING IN THE ENE AFOSR 3514
CF THE ELECTRON ANC THE PROTCN FINAL REPRCT OCT 61 AFOSR 1698
PICRYL •YCRAZIL PROTCN HYPERFINE SPECTRA CF DIPHENYL AFOSR TN 60-122
CN CF •YCRCGEN ATCMS BY PROTCN IMPACT THE 15•2S EXCITATI AFCRL-435
ANGULAR CCRRELATION IN PROTCN INELASTIC SCATTERING FROMARBO ARL P008
CPLORIDE TETRA•YCRATE PROTCN PAGNETIC RESCNANCE IN IRON II AFOSR 3584
2 3•ISLCSITETLTEC•N•THE PROTCN PAGNETIC RESCNANCE SPECTRA OF AFOSR 1382
ARIUP BRCPATECNCPYCRAT• PROTCN PAGNETIC RESCNANCE STUCY OF B AFOSR TN 60-471
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ITPIUP SULFATECNCPYCRA• PROTCN PAGNETIC RESCNANCE STUCY OF L AFOSR TN 59-397
HE STRUCTLRE OFBRIUP • PROTCN PAGNETIC RESCNANCE STUCY OF T AFOSR TN 59-886
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HE MONCHYCRATES CPCTAS• PROTCN PAIRING INTERACTION AUG 1960 AFOSR TN 59-1019
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L PICRYL •YCRAZYL JUL9• PROTCN RESCNANCE SHIFTS IN DIPHENYL AFOSR TN 60-736
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FCATIVE ICA AT 62CH PROTCN RESCNANCE SHIFT IN PYRENE FOR AFOSR TN 60-904
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ORRECTIONS TO ELECTRON• PROTON SCATTERINGOV 1960•RADIATIVE C AFOSR TN 60-1366
CP THE PROTON• PROTON SEPARATIONS INPPROPRIATE AFOSR TR 60-105
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AL STATE INTERACTION IN PROTON•ANTIPROTON ANNIHILATION AT REST AFOSR 18.7
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v ELASTIC PROTON•DEUTERON SCATTERING AT 650•ME ARL P026
RGIES APR 1962 ELASTIC PROTON•PROTON SCATTERING AT HIGH ENE APOSR 2691
THE MEASUREMENT CP THE PROTON•PROTON SEPARATIONS INPPROPRIA AFOSR TR 60-103
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F REGIONEP • CAPILAR CP PROTONS BY BII IN THE GIANT RESONANC APOSR 4151
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II EFFECT CP HIGHENERGY PROTONS ON THE BRAIN OP THE RABBIT AFOSR TN 59-976
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OCANAY AND CCNNARYSTA• PROVISIONAL LITERATURE IMAGE SOL CF AFOSR TN 60-909
OCANAY AND CCNNARYSTA• PROVISIONAL LITERATURE IMAGE SIL CF AFOSR TN 60-970
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VARIABLEPACED ELEMENTS PROXIMITY COUPLED TC A TWO•WIRE AFCRL-62-727
PROP CRALATE BY PSEUDOPCNAS%ALATICLS)ZOII' GROWN IN AFOSR TN 59-1137
CN TO SINGLE•PARTICLEL• PSEUD•CLUSTER EXPANSION II APPLICATI AFOSR TN 60-1135
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SYSTEPALCLLATEC BY THE PSEUCO•POTENTIAL METHOD• SPHERE BOSE AFOSR TN 59-920
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•ES LN PSELDOCCNVEX AND PSEUDOCCACAVE COPPLEX SPACESOV 1962 AFOSR 4235
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TICN AND•BRACTERIZATICN PSEUDOMONAS AP 1 • COMPOUNDS I ESCLA AFOSR 2627
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IT IN CANADA, MAY 1962• PSOBASES ON THE WISCONSIN MARINE LIM AFCRL-62-870
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ST CP THE HYPOTHESIS CF PSYCHOLOGICAL REFERTORY PERICO TE AFOSR 1209
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THE DISCREPANCY BETWEEN PSYCHOPHYSICAL ANDLECTRORETINOGRAPHI AFOSR TN 59-782
MPLE METHCC FOR FITTING PSYCHOPHYSICAL PCWERFUNCTIONS PAY1960 AFOSR TN 60-1085
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CATECHCL AMINES IN PSYCHOPHYSIOLOGICAL STUDIES AFOSR TN 60-796
CN PSYCHOPYSIOLOGICAL PCDELS AFOSR TN 60-1190
OE DIVERSES CRCUGLES PSYCHOTROPES CHEZ•CCMME, SEARCH FOR AFOSR 1723
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TANPCRC ACCID ASTRONOMY PUBL NR 19• THE EARTHEP 1961 INST S AFOSR 1627
CYNAMICS ACCISCN•DESLEY PUBL.C., INC., 1930 • CP PLASPA AFOSR TR 60-27
OIOLIOGRAPHY CP RECENT PUBLICATIONS IN GUELING THEORYEC 15 AFCRC-TN-60-103
T 23 •A BIBLIOGRAPHY CP PUBLICATIONS IN THE THEORY CP GAMESC AFCRC-TN-59-797
N TECHNICAL WRITING AND PUBLISHING • INFORMATIONELLING O AFOSR TN 59-484
DE JANEIRO 959 ELSEVIER PUBLISHING CC AMSTERDAM 1961 590 AFOSR 1520
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DC RADIC ASTRONOMY INST PUBLR 10 • STARS AUG 1961 STANFO AFOSR 1386
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IONOSPHERIC DRIFTS IN PUERTC RICO CBTAINEC BY THE METHOC AFCRC-TN-59-218
2 CN SCLIC STATE, PLSP• PULL PASER IN THE 5 TO 6 MILLIMETERA AFCRC-TR-59-621
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1 SPEEC CP REACIAG AND PULSATING LIGHT ATIFFERENT LUMINANCE AFOSR TN 60-1299
SOLID STATE LOGARITHPIC PULSE AMPLIFIER, APRIL 1961. AFCRL-853
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TIC OR ELECTRO•PAGNETIC PULSE BY RESISTIVE HALF•PLANE OCT 59 AFCRC-TN-59-793
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S IN HI ITI' RELATIVE PULSE HEIGHT OF PROTONS AND ELECTRON ARL P020
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CS)PERIPENTAL•AN ANALOG PULSE TO DC DECODER AND CONVERTER TA AFCRC-TR-59-106
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963. THE PIELC OF A PULSED CIPOLE IN AN INTERFACE, MAY 1 AFCRL-62-961
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CP CONSTANT VELCCITY PULSED PLASPA ACCELERATORUL 1960 AFOSR TN 60-939
HEIGHT ANC APPLITLCE CF PULSED RACIC SIGNALS MAR 1 59 AFCRC-TR-59-618
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1958 A SIPPLE PULSED ULTRAVIOLET LIGHT SCURCE SEP AFOSR TN 58-615
OF ELECTROPAGNETIC PULSES BY METALLICLAFACES AUG 1 59 AFCRC-TN-59-751
ANC REFRACTICN CP PLANE PULSES MAY 1959 THE DIFFRACTICN AFCRC-TN-59-354
CP ELECTROPAGNETIC PULSES CVERME EARTH•S SURFACE, APRIL AFCRL-62-331
RCY CP TRIANGLLAR LIGHT PULSES 1961 NCTE CN THE EFFICIE AFOSR 1259
PHE METPCC CP PCCCLATED PULSES, MAY 1961. • INCIDENCE THRCUG AFCRL-859
A PCOIPIEC LARY TCEPLER PUMP APR 1959 AFOSR TN 59-302
SCPE CCPPEATS CN PUMP CAVITATICNS RESEARCH JUNE 1960 W400 TN 60-23
PY ZENTRIPETAL AIR• PUMP CPERATED ELECTROPAGNETICALLY B AFOSR TN 60-996
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N RELAXATICN IN CPTICAL PUMPING SPI AFOSR 900
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IENT ANC PESSITIVITY CF PURE TITANIUP NCV 1962•ONALL COEFFIC AFOSR 4001
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N THERESENCE CF THERMAL RADIATION, MARCH 1961.+ CF HOT GAS I AFCRL-427
CT INFRARED AMC VISIBLE RADIATION, MAY 1961. • TCETE AFCRL-819
P THE GALLACY INFRA+RED RADIATION, OCTOBER 1960. • PRO AFCRL-TN-60-670
LAR EXTREME ULTRAVICLET RADIATION, 1960. • BY SO AFCRL-62-604
OBSERVATIONS OF INFRARED RADIATION,CTOBER 1961. SATELLITE O AFCRL-1037
TECTION CF FAR INFRARED RADIATION,ECEMBER 1, 1960.+CN THE DE AFCRL-TR-60-435
CF ELECTROPAGNETIC RADIATION,EPCRT CN CONF ME C AT U AFOSR 503
RANSMISSICN CF INFRARED RADIATION,EPTEMBER 1, 1960 CLOUC T AFCRL-TN-60-654
SIT OF ULTRAVICLET SKY RADIATION,EPTEMBER 1962. • INTER AFCRL-62-1115
COMPOSITION BY ICNIZING RADIATION,INP101 • DE ARL-CO24
STUCIES CONCERNING RADIATIONDAMAGE IN SELECTED COMPOUND ARL 62-363
AND THE PROTECTION CF RADIATIONDAMAGE IN THE NOBLE METALS AFCRC-TN-59-764
A SHOWERS CF THE COSPIC RADIATIONINAL REPORT JAN 1961 • AI AFOSR 243
CF SOLAR ULTRA+VICLET RADIATIONON THE PRESENCE OF OZONE, AFCRL-TN-60-634
LYSIS WITH ULTRASCFT P+ RADIATIONS JAN 1962 PICRCANA AFOSR 1995
F PARCH 8, 196C,EPR+SRY RADIATIONS FROM THE BALLOCN FLIGHT O AFCRL-450
OF RECOMBINATION RADIATIONS FROMPERICONDUCTORS MAY AFOSR 1042
PCRPECT ICNIZING RADIATIONS IN CERTAIN NATIVE PROTEIN AFOSR TN 60-1249
MOLECLLARREACTICNS AND RADIATIONS IN THE UPPER ATPCSPHERE AFCRC-TR-59-205
OF ICNIZING RADIATIONS INPACE NUCLEAR EPULSION AFCRL-62-244
STUCY CF THE INFRARED RADIATIVE BEHAVICR CPLAMES. VCLUPE AFCRL-62-210I
STUCY CF THE INFRARED RADIATIVE BEHAVICR CPLAMES. VCLUPE AFCRL-62-21CI
AMC NE 2C DIRECT RADIATIVE CAPTURE CF PROTONS BY 016 AFOSR TN 59-27
BY NATU+ELECTROPAGNETIC RADIATIVE CORRECTICNS AND THELEMENTA AFOSR 1959
OTCN SCATTERINGOV 196C RADIATIVE CORRECTIONS TC ELECTRON+PO AFOSR TN 60-1364
OTCN SCATTERING CCT 61 RADIATIVE CORRECTIONS TO ELECTRON+PO AFOSR 1604
MPCMENT GASTATURES WITH RADIATIVE ENERGY TRANSFER • MULTI+CO AFOSR 2578
SEPTINPINTTTNSPCRPE+A RADIATIVE EQUILIBRIUM ALGORITHM FCR AFCRL-TN-60-603
CALCULATICN OF HOPRAPED RADIATIVE FLUX IN THE 6.3 PICRON TO AFCRL-TN-60-605
0.2ICRON • ATMOSPHERIC RADIATIVE HEAT TRANSFER APR 1959 AFCRL-TN-60-630
ON SOME PROBLEMS IN RADIATIVE HEAT TRANSFER APR 1959 AFOSR TN 59-531
CULE FLOW RADIATIVE HEAT TRANSFER IN FREE+MOLE AFOSR 861
HYPERVELOCITY RADIATIVE HEAT TRANSFER, AUGUST 1961 AFCRL 62 39
ATMOSPHERIC RADIATIVE HEATING AND COOLING MAR 60 AFCRC-TN-60-273
IBUTIONS CF ATMOSPHERIC RADIATIVE HEATING AND COOLING,+DISTR AFCRC-TN-60-819
THE PICR SPECTRUM IN RADIATIVE HYPERON DECAY AFOSR 3929
RELATING TO RADIATIVE RECCMBINATIONS JANUARY961 AFCRL-210
FR WAVEGL+LNIQUENESS CF RADIATIVE SOLLTIONS TO THE SHRODEING AFOSR TN 59-1112
METHOC FCR COMPUTING RADIATIVE TEMPRATUREHANGES NEAR THE AFCRL-869
L CONVECTION ABOVE • RADIATIVE TRANSFER EFFECTS IN NATURA AFOSR TN 60-355
TERING MECI+SOLLTION CF RADIATIVE TRANSFER IN AN INFINITECAT AFCRL-TN-60-816
TY CALCULATIONS FCRCBY+ RADIATIVE TRANSFER STUDIES AND OPACI AFOSR 1901
THE SOLLTION OFCh+GRAY RADIATIVE+TRANSFER PROBLEMS,AND A AFCRL-62-213
ATICNSU+RIEGE WAVEGLICE RADIATORS FOR MISSILE ANTENNA APPLIC AFCRL-376
CIELECTRIC SURFACE WAVE RADIATORS JUNE 1 59 MEII EXCITED AFCRC-TN-59-573
E REACTIONS OF NO2 FREE RADICARB 1961 • THE RATE OF GAS PHAS AFOSR 355
CF THE 2+PROPYL RADICAL . II. A FREE RADICAL BAGNPEE AFOSR 2314
STEREOSPECIFIC TRANS RADICAL ADDITION OF DDR TC THE 2+BUT AFOSR TN 59-300
THE STEREOCHEMISTRY OF RADICAL ADDITIONS. IV. THE RADICALDO AFOSR TR 59-30
OF THEUCLEOCTATETRAENYL RADICAL ANION APR1960 • SPECTRUM AFOSR TN 60-589
S INTRAPCLECLLAR FREE RADICAL AS FUELS, AFOSR TN 60-157
FREE RADICAL PLAMES FINAL REPORT+ HYDROCY AAL-CO61
NAMIC EQLATIONS PCRREE+ RADICAL FORMATION AND TRAPPING IN TR AFOSR 4163
ITIUM+ENRICHEC ICEEP • RADICAL FORPATION ANDELECTRCN MIGRATI AFOSR 1401
EFFECTS CN FREE RADICAL FUELS • A TCUGH PROBLEM SEP AFOSR TN 60-1250
FREE RADICAL HCO NCV 1959 THE INFRARED AFOSR TN 59-821
1959 FREE RADICAL IONS IN QUECUS SOLLTION ELE AFOSR TN 59-1197
DETECTICN CF THE PCRPYL RADICAL IONS IN QUECUS SOLLTION ELE AFOSR 1596
CTACLYTIC GENERATICN CF RADICALS BEARRANGEMENTS IN BROPOALELY AFOSR 60
OF SELECTED RADICAL RECCPBINATIONREACTICNS FINAL AFOSR 2237
SECCND-ORCER EFFECTS IN RADICAL RESCHANCE NCV 59 • OPLAMINE AFOSR TN 59-1208
I-PERPATION CF FREE RADICAL SOLIDS USING ATOMIC BPAPECHN AFOSR TN 59-364
YL RADICAL . II. A FREE RADICAL WAGNPEERWEIN REARRANGEMENT. AFOSR 2314
CF INITIAL FREE RADICAL YIELDS IN ORGANICCMPLUNDS WADD TR 60-127
OF IP & 2+PROPYL RADICAL. I. THE DECARBONYLATICNF AFOSR 2383
ETHACRYLATE BY ARCPATIC RADICAL+NIONS+INITIATICN CF METHYL M AFOSR 1705
T 62 REVERSIBILITY CF RADICAL+OLEFIN REACTIONS FINAL REPOR AFOSR 3910
MEASUREPENT CF FREE RADICAL+VALUES AND THETA FINAL REPOR AFOSR TR 60-147
ON PERICCIC INFINITE RADICALS AFOSR 566
N CISTRIBLTION IN METYL RADICALS SPI AFOSR 2979
ANGEMENTS IN BROPCALRLY RADICALS RADICAL REARR AFOSR 60
CTICN IN CIPERS CF FREE RADICALS SPIN-SPIN INTERA AFOSR 2568
ECTS IN PCLYORGANIC FREE RADICALS • AND EXCHANGE EFF AFOSR 2504
CPACIATICN+INCLUCEC FREE RADICALS • IN AN ESR STUCY AFOSR 1021
TAPIN RI SEPIGLINCMERRE RADICALS THE COENZYME CIO AND VI AFOSR TN 60-849
NYLITRATES AMC SLLFINYL RADICALS • CERIVATIVES. RLI SULFE AFOSR 267
PCTENTIALS CFREE RADICALS AMC POLECULES I A NEW SET AFOSR TN 60-52
SPECTRA CF FREE RADICALS AND REACTIVEOLECULES AT 40 AFOSR 3613
THE REACTIONS CF FREE RADICALS ANDTCPSVII THE PHCTOCHLORIN AFOSR TN 60-880
IN CRYSTALLINE CRGANIC RADICALS APR 1961+ RESONANBANSITIONS AFOSR 34
I THE REACTIONS CF FREE RADICALS CONTAINING NITROGEN OCT 196 AFOSR 2211
NETIC RESCHANCE CF FREE RADICALS FINAL REPORT SEP 62+PARAPAG AFOSR 4045
ANC ORIENTATION CF FREE RADICALS PCRPECY IONIZING RADIATICNS AFOSR TN 60-1249
FORMATICN AMC RCLE CF RADICALS IN FLAVCPROTEIN CATALYSISIN AFOSR 4329
IRRADIATION YIELD CF RADICALS IN GAMMA IPRADIATEC ICE AFOSR TN 60-947
CISTRIBLTION CF RADICALS IN LAMINAR FLAMES AFOSR 2495
1959. CISTRIBLTION CF RADICALS IN LAMINAR FLAMES. 1.RITERI AFOSR TN 59-626
1959. CISTRIBLTION CF RADICALS IN LAMINAR FLAMES. 2.PPLICA AFOSR TN 59-627
1960 INFINITE RADICALS IN THE COMPLEX PLANE AFOSR TN 60-909
OF HYCROXYL RADICALS INCE AT LOW TEMPERATURES AFOSR TN 59-539
TICNAL OSCILLATICN CF CH RADICALS INLAMES, 1960 • AND RCTA ARL 62-413
ICNS IN OSCILLICNSF FREE RADICALS JAN 1960+ NUCLEAR POLARIZAT AFOSR TN 60-107
ANSITICNSN CRGANIC FREE RADICALS JUL 1961 • FERROMAGNETIC IN AFOSR 1076
STUCY CF TRAPPED RADICALS PRCDUCED BYAMMA RACIETION AFOSR TN 59-894
ATCPS AMC FREE RADICALS SPECTRSCCPY, APRIL 5, 1962 AFCRL-62-655
REACTICN CF ATCPS AND RADICALS WITH VARICLS MOLECULESNC AFOSR 4060
RESCTICN CF ATCPS AND RADICALS WITHARIOLS MOLECULES FINAL AFOSR 2029
SYMPOSIA FREE RADICALS, 6+7 JULY 1961. UNIVERSITY AFOSR 1495
ACICALS PRCCLCEC BYAPPA RADIETICN SEP 1959 • OF TRAPPEC R AFOSR TN 59-894
EFFECT IN VAN CER WAALS RADII AND THE BARRIERO ROTATICN AFOSR 562
EFFECT IN VAN CER WAALS RADII AND THE BARRIERO ROTATION AFOSR 405
F THE CHROMOSPHERE FROM RADIC AND OPTICAL DATA JUNE960 • O AFCRC-TN-60-446
ON THE ANALYSIS CF RADIC ASTRONOMICAL OBSERVATIONS AFCRL-531
CF THE ATPCSPHERE CN RADIO ASTRONOMICAL SIGNALS,PRIL 30, AFCRL-62-311
N ACVANCEC PIRECTICN RADIC ASTRONOMY ANTENNA APR 1960 • A AFCRC-TR-60-186
ACVANCED, PIRECTICN RADIC ASTRONOMY ANTENNA. APRIL 1960 AFCRL-TR-60-186
JUNE 1960 SCLAR RADIC ASTRONOMY AT FORT DAVIS, TEXAS AFCRC-TN-60-429
NGTH APP 1962 RADIO ASTRONOMY AT PILLIPETER WAVELE AFOSR 3201
STARS ALG 1961 STANFORD RADIC ASTRONOMY INST PUBLN 10 AFOSR 1386
+EP 1961 INST STANFORD RADIC ASTRONOMY PUBL NR 19+ THE EART AFOSR 1427
T DEVELOPMENTS IN SCLAR RADIC ASTRONOMY, FEBRUARY 1961+RECEN AFCRL-TN-61-200
-MARCTACH-NEDERHEEL, RADIO ATTENUATION ANDEFLECTION PHENO AFCRC-TR-59-3771
1962. INVESTIGATICN OF RADIC AURORA, PROJECT AURORA II, PAY AFCRL-62-443
C REGICA CURING PCLAR RADIC BLACKOUT CONDITIONS,EPTEMBER AFCRL-97
1960. SCLAR RADIO BURSTS AMC COSPIC RAYS, AUGUST AFCRL-TN-60-487
AYS APR 6C SCLAR RADIO BURSTS AMC LOW-ENERGY COSPIC+R AFCRC-TN-60-276
F+STUDIES CF FAST CRIFT RADIC BURSTS AMC RELATEC PHENOMENAUN AFCRL-385
STATISTICS CF SCLAR RADIC BURSTS AT SUNSPOT MAXIMUM,FEBRU AFCRL-217
TYPE IV SCONTINUUM+ RADIC BURSTS POOP THE SUN, JULY 1962 AFCRL-62-666
TC THEARRCW-BAND RADIC BURSTS CF THE SUN, JANUARY 7, AFCRL-62-787
ASSOCIATICN CF SCLAR RADIC BURSTS WITH AURORALTREARS, AFCRC-TN-60-224
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CORRELATION CF SCLAR RADIC BURSTS WITH PAGNETICTIVITY AFCRC-TN-60-203
CBSERVATICNS CF SCLAR RADIC BURSTS. I. RECEIVINGEQUIPMENT, AFCRL-688
CBSERVAT CNS CF SCLAR RADIC BURSTS, III.CATINUUP BURSTS, AFCRL-62-1117
ACTERISTICS CF TYPE III RADIC BURSTS, NCVEMBER 1962. CHAR AFCRL-62-1050
ICN FIRING A SURVEY • RADIO DISTANCE MEASUREMENT AMC USED AFCRC-TN-60-191
ZE CF SPCRT+LIVEC SCLAR RADIC DISTURBANCES.AN 60+ ANGULAR SI AFCRC-TN-60-202
TRAIL MEASUREMENTS BY RADIC ECHO DETECTICN MEANSOF 1 1956 AFCRC-TN-59-241
TRAIL MEASUREMENTS BY RADIO ECHO DETECTICN MEANSCVEMBER AFCRL-TR-60-434
59 VCLUME CENSITY CF RADIO ECHOES FROM METEOR TRAILS OCT AFCRC-TN-60-150
CN THE DISTRIBLTICN CF RADIC ECHOES FROM METEORRAILS, NOVEM AFCRL-62-128
OF LUNAR AMC ALACRAL RADIO ECHOES, SUPPARYCIENTIFIC REPOR AFCRL-TN-60-1183
STS 1793), 2C60,+65),+IL' RADIC EFFECTS CF MISSILE FLIGHTS+ TE AFCRC-TN-59-981
AUNCH SECRET OCT 59 RADIO EFFECTS OF TDST 2110+MERCURY L AFCRC-TN-59-984
SECRET SEP 59 JL' RADIO EFFECTS OF THE 1OOR TEST 2100 AFCRC-TN-59-982
S INCMOSPCRP PLASMA • RADIO EMISSICN BY PLASMA OSCILLATION AFOSR 306
F AUGUST 22, 1959LLY • RADIO EMISSICN FOLLCWING THE FLARE O AFCRC-TN-59-398
TURBANCES CURING+SCLAR RADIO EMPISSICNS BAT GECPHYSICAL CIS AFCRL-449
PE+A VERY LCW FREQLEACY RADIO EXPERIMENT FOR SATELLITE ANCHO AFCRC-TN-60-210
SLOVERY CF ICE CAPS AT RADIO FREQUENCIES,UGUST 1960. AFCRL-TR-60-171
CONTROL ANTENNAS. RADIO FREQUENCY BREAKDOWNMEASUREMENTS AFCRC-TR-60-261

GAS STREAPLIT+ A RADIO FREQUENCY DISCHARGE NOV 1959 APOSR TN 59-1127
1960 TESTS,UGUST + IL+ RADIO FREQUENCY MEASUREMENTS PIRPLY APCRL-758
9 AUTOMATIC CONTROL CF RADIO FREQUENCY PHASE SHIFT OCT 31 5 AFCRC-TR-59-363
550 PC-5, AEPORT+SOLAR RADIO INTERFERENCE AT 125, 200, 429, AFCRC-TN-59-659
AND POWER SPECTRA OF RADIO LINES APPECY RANDOM DIELECTRIC APOSR TN 58-968
PORTFOLIO' A SUPPORT OF RADIO MEASUREMENTS FOR PIRPLY 19595 AFCRL-TN-60-617
PIES, AUGUST 1962. RADIO MEASUREMENTS OF THE TOTAL ECLI APCRL-62-852
RESEARCH+AN ANALYSIS OF RADIO METEOR DATA OBTAINED BY SATEN APCRL-62-145
OBSERVATIONS CF VLF RADIO NOISE AT GCO+OYR, GOOOOLAOOOPT APCRL-62-1140
ARTHEP + GENERATION OF RADIO NOISE IN THE VICINITY OF THE E APOSR 1427
IN THE FIELD C PODLAR RADIO NOISE SUNSPOTS,RORIMONCES AND APCRL-62-620
IN THE FIELC OF SOLAR RADIO NOISE, SUNSPOTS,RORIMONCES APCRL-906
IN THE FIELD OF SOLAR RADIO NOISE,SUNSPOTS, PROPIMENCES AFCRC-TR-59-239
NO ABSORPTION OF COSPIC RADIO NOISEAUGUST 1962.+LUMINOSITY A APCRL-62-382
FOCR SATELLITE RADIO OBSERVATION. COPPLER EFFECT AFCRC-TN-59-631
UTNIR 3, APRIL 1961. RADIO OBSERVATIONS AND RESULTS OF SP AFCRL-TR-60-376
ITS TO SEVERAL FLOCPEAN RADIO OBSERVATIONSISSUMMER DEC 10 1959 AFCRC-TN-59-105
STUCIES FCO THE ARECIOO RADIO OBSERVATIONSY JUNE 1960 DESIGN AFCRC-TN-60-971
RIMENTS PCR THE ARECIOO RADIO OBSERVATIONSYAR 31 60 + EXPE AFCRC-TN-60-359
RIMENTS PCR THE ARECIOO RADIO OBSERVATIONYI MAR 1960 + EXPE AFCRL-TN-60-359
A Z+PROCF SPACE RADIO PROGRAP, AUGUST 1962. AFCRL-62-1059
STUDY FCR Z+PROCE SPACE RADIO PROGRAP, AUGUST 1962. ANTENNA AFCRL-62-1058
CF TREES ON LCW ANGLE RADIO PROPAGATION AT ABVELENGTH OF AFCRC-TN-60-766
HICLE ANC TROBTH +PROC RADIO PROPAGATION BETWEEN A SPACE VE AFCRL-920
C RESEARCH CN POLAR RADIO PROPAGATION BLACKOUTS APR 20 & AFCRC-TN-60-107
20, + RESEARCH CN POLAR RADIO PROPAGATION BLACKOUTS,OVERMBER AFCRL-3
SILE LAUNCHINGS,ART+IL' RADIO PROPAGATION EFFECTS DURING PIS APCRL-TR-60-3501
S IN VERY LOW+FREQUENCY RADIO PROPAGATION JUN 59 EXPERIMENT AFOSR TN 59-503
CHARCTERISTICS CF RADIO PROPAGATION CVER A GROVEP AFCRL-62-23
LECTRIC INTERFACES + RADIO PROPAGATION POST A PAIR OF DIE AFCRC-TN-60-392
IL' RESEARCH IN RADIO PROPAGATION SECRET AUG 59 AFCRC-TN-59-592
IL' RESEARCH IN RADIO PROPAGATION SECRET FEB 60 AFCRC-TN-60-192
AND TRANSEQUATORIAL RADIO PROPAGATIONFEBRUARY 1962. AFCRL-62-305
SOLAR SYSTEM RADIO RADIATION DEC 1958 AFCRC-TN-59-148
CF ENHANCEDCLAR RADIO RADIATION WITH A MARROW+BANC AFCRL-657
MENA +IU' PROJECT ARGLS RADIO REFLECTION ANC ATTENUATIONMEND AFCRC-TR-59-37711
REGULA+THE GEOMETRY OF RADIC REFLECTIONS FROM FIELD+ALIGNED AFCRL-62-903
TRANSPER PLACTICN FOR A RADIC SCATTER CHANNEL,ARCH 19, 1962. AFCRL-62-571
COMPLICATEC AT THE RADIC SCIENTIFICCONFERENCE IN STOCKHO AFCRL-TN-60-1137
ANC ANALYSIS CF RADIO SIGNALS FROM SPACE VEHICLESLNE AFCRC-TN-59-378
ANC AMPLITUCE CF PULSED RADIC SIGNALS, PAR 1 59 + HEIGHT AFCRC-TN-59-618
ICNOSPHERE CY SATELLITE RADIC SIGNALS, AUGUST 21, 196 AFCRL-703
ROTATICN OPATELLITE RADIO SIGNALS, JANUARY 24, 1962. AFCRL-62-195
ACKING CPORTH SATELLITE RADIO SIGNALS, JULY 1961.+DOPPLER TR AFCRL-1094
ICNOSPHERE BY MEANS CF RADIC SOUNDINGSCV 59 + IN THE AFCRC-TN-59-978
DRIFT ANC STRLCTURE BY RADIC STARSERVATIONS, AUGUST 1960. AFCRL-TR-60-602
E SCATTERING IN THECAC+ RADIC STAR SCINTILLATION ANC PULTIPL AFOSR TN 60-651
PR 1959 RADIC STAR SCINTILLATICN AT 915 MC A AFCRC-TR-59-102
ROGRAP ANC TEST RESULT+ RADIC STATICN RECOGNITICN COMPUTER P AFCRL-62-566
CTIONS, +LCW FREQLENCY RADIC STUDIES CF APPARENT ICNOSPHERI AFCRC-TN-60-403
PERTAINING TC RADIC STUDIES OPETECRS AND METEOR AFCRC-TR-59-367
RACE WITICH+ RESCLUTICN RADIC TELESCOPE ANTENNAS, FEBRUARY AFCRL-331
PUTURE LARGE RADIC TELESCOPES APOSR 3051
LEACING TC PUTURE LARGE RADIC TELESCOPES MAY 1961 PROPOSAL APOSR 1601
LO+S BIGGEST ANTENNAS + RADIO TELESCOPESEPTEMBER 1960. + WOR AFCRL-TR-60-179
OF SATELLITE RADIO TRANSMISSIONS ANCIELC+ALIGNED AFCRL-62-302
IR + INVESTIGATIONS CF RADIC TRANSMISSIONS FROM 1958 2SPUTN AFCRL-518
A ICISC+COSERVATICNS CF RADIC TRANSMISSIONS FROM 1961 A+GAMM AFCRL-62-702
INTERACTION BETWEEN A RADIO WAVE ANC A PLASMA APOSR 3988
E+INTERACTION BETWEEN A RADIO WAVE ANC A PLASMA IN THEBESENC AFOSR 203
INTERACTION BETWEEN A RADIO WAVE ANC AIGH TEMPERATURE AFOSR 3687
PAGNETIC FIELC A RADIO WAVE IN A PLASMA IN A UNIFORM AFOSR 3987
+ TEMPERATLPELASMA TC A RADIO WAVE JLL 1961 + OF A PIG AFOSR 1184
ON VERY LCWFREQUENCY RADIC WAVE PROPAGATION OVER A LONG AFCRL-724
VERY LCW FREQLENCY RADIC WAVE PROPAGATION OVER A LONGIG AFCRL-62-110
NECLSA+CN THE THEORY CF RADIO WAVE PROPAGATION OVER INHOMCGE AFCRL-62-391
CENSITIVEASUREPENTS BY RADIO WAVE PROPAGATION TO ASCENDINGO AFCRL-62-800
ICNOSPHERIC RADIC WAVE REFLECTIONS, PARCH 1961. AFCRL-185
OF VERTICALLY INCICENT RADIC WAVES AT AREQUENCY OF 900MC-S, AFCRL-TN-60-645
SCATTERING CF RADIO WAVES BY ALASPA IN A UNIFORP AFCRL-748
CNCSPHERE SCATTERING CF RADIO WAVES BY ELECTRONS ABCVE THE I AFCRC-TN-60-397
ABSORPTION CF RADIO WAVES BY THECSPIC NCISE METHOD AFCRL-62-1044
BACKSCATTER OF P. F . RADIC WAVES FRCP COASTAL ANDONTINENT AFCRL-911
Y 6, 1962 SCATTERING CF RADIO WAVES IN THE ICNOSPHERE JANUAR AFCRL-62-559
OF THE ABSCRPTICNF RADIO WAVES IN THE LOWER ICNOSPHERE. AFCRC-TN-59-288
SOME PROPERTIES CF RADIC WAVES REFLECTED FROM THE MOCN AFCRL-TN-60-779
959 PARADAY ROTATICN CF RADIC WAVES WITHIN THE CRABEBULA + E AFOSR TN 59-164
ERGROUNC PROPAGATICN CF RADIO WAVES, APRIL 20, 1962. + TCND AFCRL-62 >39
REFLECTEC BCC-S RADIO WAVES, AUGUST 15, 19'. AFCRL-62-836
LSING 3CORC-S RADIC WAVES, OCTOBER 1, 1962. AFCRL-62-807
SHIFT OF P.P. TC S.P.P. RADIC WAVESETURNED FROM THE SEA, AFCRL-1126
A STLCY CF RADIO+ASTRONCMY RECEIVERS OCT 1961 APOSR 1003
ION IN FIELC GRACIENT A RADIO+FREQUENCY PLASPA ACCELERAT AFOSR TN 60-496
VTTRELP, ZIRCENTLP, RADIC+LEADNE DISPUTE FEBRUARY 1959 WADC TN 59-107
AINANCEARCH +RESTRICTIC RADIC+LESIONS IN THE DEPTH OF THE BR AFOSR TN 60-1406
INANCEARCH CN LCCALIZED RADIO+LESIONS JLN 1960 + CF THE BRA AFOSR TN 60-1406
RESEARCH CN LCCALIZED RADIC+LESIONS PART III BLCOC VESSELM AFOSR TN 60-252
RESEARCH CN LCCALIZED RADIC+LESIONS PART VOSERVATIONS CA AFOSR TN 60-254
RESEARCH CN LCCALIZEC RADIC+LESIONS PARTIV LABORATORYSERV AFOSR TN 60-293
RESEARCH CN LCCALIZED RADIO+LESICNS PT II EFFECT CF HIGHNE AFOSR TN 59-976
HE BRAIN+STEP GPEASCIC+ RADIO+TRANSMITTED UNIT ACTIVITY IN T APOSR 4101
CONCEPT APPLIEC TC RADIC+WAVE PROPAGATION IN THECNCSPHE AFCRL-62-1079
SATELLITE TRACKING BY RADIC, AUGUST 1961. AFCRL-597
SATELLITE TRACKING BY RADIC, PART I APR 7 1959 AFCRC-TN-59-374
ENCEPECTRCPET+SELECTIVE RADIOACTIVATION ANC MULTIPLE COINCID ARL 215
SPHERE PAR 1959 RADIOACTIVE AGGREGATES IN THE STRATO AFCRC-TN-59-201
RATCSPHERIC MIXING FRCP RADIOACTIVE FALLCUT ST APOSR 9287
BETA DECAY CF NATLRALLY RADIOACTIVE IN 119 INT APOSR 468
NING SURFACECLGF+LSE CF RADIOACTIVE IODINE VAPOR FCR DETERMI WADC TR 59-659
62 SURFACE STLCIES BY RADIOACTIVE METHODS FINAL REPORT PAR APOSR 2377
OF THE PROPERTIES CF RADIOACTIVE ALCLIE BY OPTICALRIENTAT AFOSR TR 60-82
EASLOINGEN3+ON LSE CF A RADIOACTIVE SCLRCE IN THE VELOCITY P AFOSR TR 60-150
THE MECHANISP OF PCS2+A RADIOACTIVE TRACER INVESTIGATION OP APOSR TR 59-10
INVESTIGATION CF RADIOACTIVEONIZATICN GAUGES, PAT AFCRL-TN-60-653
TC ACVERPERS+ARTIFICIAL RADIOACTIVITY PRCP NUCLEAR TESTS UP AFCRC-TN-59-644
BY PEANS CF A RADIOASTRONCPICAL SWEPT+FREQUENCYNTE AFCRL-62-980
C 31 59 RADIOCOMMUNICATION BY BACKSCATTER DE AFCRC-TN-60-154
UNE 30, 1961. RADIOCOMMUNICATION BY BACKSCATTER, J AFCRL-913
ORGANIC BINCING CF RADIOIODINE BY INCUBATEDMYACIC SECME APOSR TN 60-75
CF THE SURGICAL RADIOLESION IN THE HUMAN BRAINS APOSR 5480
STEP+STUCY CN LOCALIZED RADIOLESIONS IN THE CENTRAL NERVOUSY APOSR 4326
STUCIES CF LOCALIZED RADIOLESIONS IN THECENTRAL NERVOUS APOSR 4293
INFIBITICNCCYCLE+CIRECT RADIOLYSIS ANC THE SENSITIZATION AND ARL-L024
CF PYDROCARBCNS RADIOLYSIS BYISSOCIATIVE CHARGE ARL-C031
1960 RADIOLYSIS CF ABALKYL KETONES AUGUST WADD TR 60-41
I RADIOLYSIS CF CYCLOPENTANE APRIL 196 ARL 28
ICAY EFFECTS CPECITIVE+ RADIOLYSIS OF LIQUIC METHANOL+INHIBI ARL 90
SYNTHETIC ZEOLITE+++N+ RADIOLYSIS OF METHANOL ADSORBED IN A WADD TN 60-28

GAS PHASE RADIOLYSIS OF N-PENTANE, 1960. ARL-TN-60-183
RARE GAS SENSITIZED RADIOLYSIS OF PROPANE. ARL-C029
PROCESSES IN GAS PHASE RADIOLYSIS OF HYDROCARBONS, 1961. ARL-116
PROCESSES IN GAS PHASE RADIOLYSIS. PRIMARY ARL-C032
PROCESSES IN GAS PHASE RADIOLYSIS. PRIMARY ARL-C033
AN IMPROVED OPERATIONAL RADIOMETER FINALREPORT MARCH 1961 APCRL-699
CN MEASUREMENTS,-C + RADIOMETER FOR HIGH ALTITUDE RADIATI AFCRL-TR-60-206
IR SCANNING RADIOMETER FOR HIGH ALTITUDERADIATION APCRL-62-431
OF A ROCKET+OCNOE RADIOMETER FOREASUREMENT OF PLUME AFCRL-TN-60-682
IU' PISSILE+OCNOE+ RADIOMETER MEASUREMENTS OF THE THERM APCRL-693
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FB BOLOPETER)SLPERSPECES 61 ELECTRIC PROPELLSION PARTICULAR OPPOSITE CN CELECTRIC TRANSITION IN ECULAR BEAMS.•ESELN AND APTICN LINES OF CRS/ IN CP THE A1 27 NUCLEI IN P ALUMINUP IN SYNTHETIC A SPECTRUP IN SYNTHETIC ANCE OF A1 IN SYATHETIC AS ANDLUPIALN NUCLEI IN ANCE OF AL IN SYNTHETIC CHARACTERISTICS CP THE AT CP THE BEAP PRCP THE ERNS ANC AXIAL PCCES CP ACTE CCACERNING THERPAL ILAING CP NIPE OF AL 27 NUCLEI IN ATS DUE TC•TOTOPIZING CP CTICN PRCP THE AZINE IN SCPE NUCLEAR SELECTICAS PATOIA SLICE NTERACTICNS ANC 1-2 DERIVATICA OF TRAUBE•S CITATICA IN •THE DEGREE ACTICN CEC 59 AT 1-2 • CN THE ASSOCIATEC PLCN VICLATICNS CP THE ANC THE CCNSTANT RATIO APPLICATICA CP CERTAIN ADARY, • TRANSPCRPATICN CN PROBLEP ANCELA•BAYES SELECTICN NTIAL PULTIPLE•CECISICN UNDER INTERPCRCPTETIC• CCNTPOLLEC ALYSIS CP PARRINGS SLEC DURE HELIP CHAPPER M• STEREOTAXIC COORCINATES CIVISIONS CELLLLARE •IL CN THERBEP RING,PANSLATEC PRCP THE TRANSLATEDCP 4TH TRAJECTORY CP THE NITIVE CCNSTOLCTICAS CN CGY,AC•INVESTIGATICA CP PHYSICS,PANSLATEC FRCP ANC ANALYSIS CP BCRICES CP CRCSS•DCPING AGENTS PCR INETICS CP SINTERING CP NANCE IN SEMICCNCUCTING UNE 1, 1959 ANALYSIS CP EAS ANDRPCCTA• STUCY CP TIC PLANESPA•A STUCY CP 1961 SCLAR RESEARCH• AT 62, 1962. THE 1960C. RELIABLE PAIL• A NEW APPRCACH TC CP A NEW APPRCACH TC AERCDEE RANGE CP TAU A, VIR A, CEN A, CP WEATHER PORECASTS IN RADAR CATA AT ESCRIPTICA CP SIPULATED CNDISSI•JL• ANALYSIS CP COPPUTER CPERATICNS IN EFFECTIVENESS CP THE AG SUPERVISCR-TRACKCR• VEILLANCE CPFICER-AIR• PT DIRECTCR ANCNTERCEP• TICN SUPERVISCR TRACKN• PCR MCDIFICATICN TC THE PERICD SEISPECRAPP• THE TBIC EFFECT IN ACCPELLE PLSEC CPERATIES CPERACELECTRIC BILIRUBIN ZINC CCPPLER RELCTANCE CPETAL•POLYEN ALCLE ANC SEA• •RDAY STLCIES CP CBSERVING STATICNS AT CBSERVING STATICNS AT LCRCAPPINER•CCILP IIII• ANC STRLCTLRE CP POLYEN •STUDIES CPLKALI PALICE TICN OPCPE ALKALI PETAL ER PEASLREPERTSA POLYEN CESTRIBLTICA CP PINERAL ICNIC NATLRE CP POLYEN CP ADRE•ERATIPETAL •APPLYUATERABRY APPCNIUM STUDIES CN SCPE BASIC THE STRLCTURE CP SCPE CONSTANTS OF THE ACID SERA I ICN CP METALS IN POLYEN BIBLIOGRAPHY CN POLYEN LEAECTAPINE BPCCILP III WITH ACYL PYRICINIUM CP REPLICATESS ACT THE BRIESP PLACTICAS CP THE CAL SAMPLES ANC ANALLAR E GRCTH INSTITLTECCCN• CP SCPE TNC•SAPPLENC C• AL CATA, NEN BCITICALA• CONCENTERN•AL•THE LSE CP CNFIDENCE • THE LSE CP TTING ERACTIC•THE LSE CP DEGREES PCR THE EXPECTED ESTIMATICN CP ACN ATCMS•CN ATCMSCHEST CONFIGURATIO ACN DIATCMICS • CCNFIGURATICNNTERACT ACYS STEP•DCWN PROCEDURE IN ASCN NOTE69'• 1962 HIGH SPEED IMPBAR ASCN SURVEY AUGIDIUP AND CESIUP•EARTHORATES WITH AUGIDIUP DISULFATE AUGIDIUP HALIDES DEC 1961 • POL AUBY ABSO AUBY POLARIZATION AUBY NUCLEAR RESONANCE O AUBY PLUORESCENCE OF THE CR/// PAI AUBY AS A MASER PATERIAL MAY 1959 AUBY PINAL REPORT NUCLEAR RESON AUBY JUN1960 NUCLEAR RESON AUBY LASER AUBY LASER TIPE CEVELOPME AUBY LASERS, JUNE962.•RADIATION PATT AUBY MASER•TYPE HAMILTCNIANS AUBY OPTICAL PASER AUBY• THE POLARIZATION AND RELAXATIO AUBY•OPTICAL•PASER PODES AUG 1961•RE AUBY, SEPTEMBER 1962. • LASER A AULE AULE AULE PINAL STATE I AULE FURTHER COMMENTS ON THE AULE AND PULTIPLE STATE TRANSFER OF AULE AND THE WEAK FCLN FERPION INTER AULE OF PLASTICITY BASED CN CRYSTALL AULE OF TRANS•NUCLECPHILICCCETION AULE. MAR 60 CONSONANT CONFUSIONS AULER CCNSTRUCTICNS TO THECINCARE AULES AND PROGRAP SIPPLIFICATION FCR AULES AND RELATIVE INTENSITIES FOR P AULES FOR A COPPCN PULTIPLE CCMPARIS AULES IN THE LIGHT NUCLEI AULES NCV 1958 • SCREL NONEQUE AULING CP LARGE DIFFRACTION GRATINGS AULING OF TEA•INCHIPPRACTICA GRATING AUR OP 12 JUL 1956,959 • AN AUR OPTICAL SYSTEP ANDICUCIAL PARK AUSTRALIA CHAPPER M• AUSTRALIAN PAGEITLE.• BAT BRAIN ATLAS AUSTRIA OBER GRUPPE SULPIDALICI NELLA AUSTRIAN PROPERTIES CP INTERNALLY AUSSIAN DECEPBER 1960. • CP SCATTF AUSSIAN BC. BY MCBRIS FRIEDPAN. AUSSIAN EXTRA•ERRESTRIAL VEHICLE, AUSSIAN JAN 1961 • CP PRECICATIE AUSSIAN RESEARCH IN COMPUTER TECHNOL AUSSIAN SEPTEMBER 1960.• STATISTICAL AUSTENITM IIII'ND AUSTENITM IIV' IN SULFATE PRECIUM FER AUSTENITM IIII'AD AUSTENIUP IIV' IN AUSTENITM OSPIUP ANC IRICIUP AUTILE MASERS, SEPTEMBER 1960. AUTILE SINGLE CRYSTAL SPHERES JUL 8 AUTILE,JUNE 1961. ELECTRON SPIN RESO AVC 1, 1959 ANALYSIS CP SAC WEATHER COPPUTER REQUIREMENTS, J EAS ANDRPCCTA• STUCY CP SACRAMENTO PEAK FLARES, II. FLARE AR SACRAMENTO PEAK FLARES, III SYMPATHE SACRAMENTO PEAK OBSERVATORY, JANUARY SACRAMENTO PEAK OBSERVATORY, 1947•19 SAFE BINARY COPPUNICATION, JULY 10, SAFE FLIGHT PLUTTER TESTING SEP 1960 SAFE FLIGHT•PLUTTER TESTINGCV 1960 SAFETY EQUIPPENT PAR 1 60 SAG A,AND THE CRICN AND OMEGA NEBULAS SAGE DISPLAYS SEP 1959•THE VALIDITY SAGE LONG RANGE RADAR SITESECRET SAGE OPERATOR PCSITION NOV 1959 D SAGE OPERATOR SWITCH ACTIONS DURING SAGE SECRET FEB 60 • ANCCME SAGE SYSTEP IN RELATION TO WINDORECA SAGE TASK EQUIPPENT ANALYSIS TRACKI SAGE TASK EQUIPPENT ANALYSIS AIR SUR SAGE TASK•EQUIPPENT ANALYSIS INTERCE SAGE TASK•EQUIPPENT ANALYSIS. INITIA SAGE•PEIGHTUNCTICN SECRET ACV 59 SAINT LOUIS UNIVERSITY NETWORK, SALT THEORY OF THE FERROELEC SALT CHEPISTRY SALT CYRSTALS, FEBRUARY 1961. • PR SALT PORPATICA BY BILIRUBIN AND RESO SALT PIXTURES • THE ELECTRICAL CO SALT NUCLEI LNDER PARTITIPECNDITIONS SALT SOLVTICNS DEC 1960 SALTHOLM, DENPARK, AND GCDHAVN,REENL SALTHOLM, DENPARK, AND GCDHAVNPEENLA SALTS CN SALTS PHYSICAL PROPERTIES SALTS • IN PASS SPECTROPETRIC SALTS • STLDIES OF THE VAPORIZA SALTS • METHODS PCR TRANSPORT NUMB SALTS AND BCNE SEEKINGADICIESOTOPES SALTS DEC 1960 SALTS IN BASIC SOLVENTS • FINAL SALTS JUN 1959 • N•BUTYL ANC TETRA I SALTS OF C04 THE VOIA AND Z04 SALTS OF 2 6 CIPETHYL PYRCNE 6 DIPET SALTS OFTHYLENEDIAPETETRAACETIC SALTS PART II STUDIES CN IRIDIUPOPPC SALTS SILVER IN SOCIUMHLORICE•ORICAT SALTS WITH CRGANICASES ANC CRGANICMO SALTS ZC EO JUN 1961 SALTS• CIS ANDRANS•DICHLORC•BIS ETHY SALTS•BENZOYL•2PHENYL•ETHYNYL•U SAMO POR ALL TREATPENTS MAY 1959 SAME KIND. AUG 1959 • FUNCTICN •I SAMPLE CELLS • FOR CYLINCRI SAMPLE FROP EXTRACTERS PANUAL FCR TH SAMPLE NCN•PARAPETRIC STATISTICAL SAMPLE OF PROPRINT CP DONNAV•S CRYST SAMPLE QUASI•RANGES IN SETTING CCNFI SAMPLE QUASI•RANGES IN SETTING EXACT SAMPLE RANGES ANC QUASI•RANGES IN SE SAMPLE SIZE AND THE AVERAGEISE OF A SAMPLE SIZE 1960 PRODCTICN CATALOGLOEC • ING PERIODICALLY VARIA• PCOT COVERING RESEARCH• SAY 1961 • RESEARCH CN PLANE APPROACH TC RELAY OPTIPUP SYNTHESIS CP ALYSIS OF PINITE PULSED PCPULATEC ANDCALINEAR TIRATE CCNTROLLER PCR A HE SOLUTICN OPULTI•LCCP IN THE PIELC CP IPE DOPAIN SYNTHESES CP STABILITY OP NCALINEAR C CIGITALPCCESSING • RATEGY PCR A SATLRATING THE TRANSIENTRESPCNSE CP CCPPERSATCR PCR S CP NCALINEAR FEEDBACK TATISTICAL DESIGNING CP ECHNIQUES PCR PULTIPLE PROBLEP PCR LINEAR PROBLEPS PCR LINEAR ANALYSIS OP PULTIPLE ANALYSIS OF PLLTIPLE TECHNIQUES PCRPALL PCR CYLINCRICAL PCCESS IN LARGE PERRITE CHARGING CP POLYPER I. THE RANGE CP P CERTAIN STATISTICS IN PROPERTIES CP SAPPHIRE CONVERSICN CP SYNTHESIS OP RANCCP CRALS WITH ANPPE•YEAR•S ALI45•FREE IN A PERIODICALLYSERVING ENGINEERING EDUCATION. ACC CP AN INTERNAT SYPP VIBRATICAS CP ELASTIC IC RESPCNSE CP A LCALED GS INITIALLY BAPPED THEORY CP A BEAM CCNF PLEXURAL VIBRATICNS CP 99S A NEW THEORY CP A NEW THEORY CP ELASTIC CAT NCV2 VIBRATICNS CP PRATICPS CP RECTANGLLAR PLEXURAL VIBRATICNS CP L VIBRATICAS CP ELASTIC PLANE•STRAIN BENDING CP PLEXURAL VIBRATICNS CP L VIBRATICAS CP ELASTIC CN ANALYSIS CP ELASTIC P 1960C. NTS CP DIELECTRIC LCSSN C OPTICAL PROPERTIES CP DLE TC DISLOCATICNS IN ELECTRIC PROPERTIES CP S CP CEVAL AT NICBEL IN RESCNANCE PROPERTIES CP ANALYSIS FINALEPCRIL• U.S. ARCTIC OCEAN CRIPT CPERATICA WITH ELLIPTIC N TECHNICLES PCR LSE IN CLE INTERPRETATICA PRCP BASIC EXPERIPENT PCR ECHO RELATICNSHIPSITH GRCUNDSEA•SIL• INFRARED PHERICACTIVE•INFRARED OF PETRORDLOGICAL PCTION CALCLLATICAS ANC A SCLAR ECLIPSE.PART II. EALE BY PETROLOGICAL 1 99 JU• CCPPLNICATICNS 99 JU• CCPPLNICATICNS SURVEILLANCE SYSTEP PCR INFRARED ECLIPPENT PCR 960 LAYCLT SPECLLAR REFLECTICN PETER CETERPINATICN PCR TRANSITICA.• R•RAY BETA OP ACCRET ANC EARTH CCNTRIBLTICNS TO REL961•CCNTRIBLTICNS TC ARIANT TRIPLENTECPAL CP AGIATICA,CICER 1961. IATIC•INTERPRETATICA CP ANC VEALS RADAR PASSIVE F WITH Y, CCTCBER 1961. GC CSCLLATING ELLIPSE CP A CCCCL TRANSITICA PRCP A GRAPPING ANC CCNTROL CP RECCVERED PROP RCLAR CN THE PROCESSING CP CT SPACE • PHOTCGRAPHIC IN FREQUENCY•TYPE PAIR• Y 1960. PCLAR INVESTIGATICA PRCP THEUTER ICNOSPHERE CY CCPPLER TRACKING CFARTH THE SCIENTILLATICA CP Y IC, 1962 ALBCRAC CCNF IMPCRACE•CCPPRACTICA CP ICATIONS TC PISSLES AND 1961. APR 7 1955 EEVELCPPENT•RESEARCH IN PETHCCS PCR ANALYSIS CP RCENTEN•ECPC AREA PRCP GC. OBSERVATICNS CN THE THE LIPETIPE CP A NEAR RCNCP•EFFECTIVE AREA CP 962.SECRET JL' STLCY CP YAGI•ANCCCCR SYSTEP PCR SAMPLE TABULATICN CP ASTP PCNDOR SE SAMPLED DATA CONTROL SYSTEPS CONTAIN SAMPLED DATA CONTROL SYSTEPSANNUAL RE SAMPLED DATA FEEDBACK CONTROL SYSTEP SAMPLED DATA FEEDBACKSYSTEPS•A PHASE SAMPLED DATA PULTIPCLE FILTERSITH SAMPLED DATA SYSTEPAY 1960 • AN SAMPLED DATA SYSTEPS APR 1961 SAMPLED DATA SYSTEPS JUL 1959 SAMPLED FEEDBACK SYSTEPCCT 1959 • PUL SAMPLED SYSTEPS JUL 1959 • FOR T SAMPLED•DATA ANC DIGITALCONTROL SYSTE SAMPLED•DATA CONTROL SYSTEPS T SAMPLED•DATA CONTROL SYSTEPS DEC1960 SAMPLED•DATA CONTROL SYSTEPS WITH TW SAMPLED•DATA SYSTEPCC 1959 • ST SAMPLED•DATA SYSTEPS • LOCATIONS ON SAMPLED•DATA SYSTEPS USINGAGNETIC SAMPLED•DATA SYSTEPSUL 1961• ANALYSI SAMPLED•DATACONTACT SYSTEP AUG 1958•S SAMPLED•DATACONTROL SYSTEPS CCT 1959 SAMPLED•DATASYSTEPS IGENERALIT THEORY' SAMPLED•DATASYSTEPS GENERAL THEORY, SAMPLED SYSTEPS WITH PINITE PULSE SAMPLER WITH PINITE PULSE WIDTHPEN SAMPLES A PRCTCTYPE ATPOSPHERIC SAMPLES AND ANNULAR SAMPLE CELLS SAMPLES APR 1960 WALKED SAMPLES BY REPETITIVE METAL CCNTACT, SAMPLES FROP A RECTANGULARCPULATION• SAMPLES FROP ANIANGLLAR POPULATION, SAMPLES•VARIATICNS IN THE DIELECTRIC SAMPLING AND HOLDING CIRCUITSAY 27 SAMPLING MULTIPCLE FILTETH STATICNA SAMPLING OF HIGH•FREQUENCY ARCTIC SI SAMPLING OF RANCCM NOISE JUNE 59 SAMPLING RATE AND PULSE WIDTH • WI SAN DIEGO,ALIFORNIA 19599' • FOR SAN FRANCISCC APR 1961 • ATPOSPHER SANDWICH CYLINCRICAL SHELLS JAN 1960 SANDWICH PANEL TRANSIENT AND PERIOD SANDWICH PANEL UNDER CCPBINED LOACIN SANDWICH PANEL, INTEALLYAPPED, SIPPL SANDWICH PLATES NCNLINEAR SANDWICH PLATES • GENERAL CASE NOV I SANDWICH PLATES • CAE DIPENSICNALAYSE SANDWICH PLATES ANC SHELLS FINAL REP SANDWICH PLATES AUG 1960•PLEXURAL VI SANDWICH PLATES IN PLANETRAIN JUL SANDWICH PLATES PAR 1959 PLEXURA SANDWICH PLATES MAY 1961 SANDWICH PLATES MAY 1961 CAMPING OP SANDWICH PLATESLG 1959 • VIBRAT SANDWICH•DIRE ANTENNA DESIGN DEC 195 SANDWICH•DIRE ANTENNA, SEPTEMBER 15, SAPPHIRE • CF GLARCING CN PEASUREME SAPPHIRE IN THE FAR INFRARED JUN 196 SAPPHIRE JUN 1960 DIELECTRIC LCSSES SAPPHIRE SAMPLES•VARIATICNS IN THE D SAPPHIRE SINGLE CRYSTALS960 ANALYSI SAPPHIRES CERTAIN ATI B VICPPCUNDS SATAN • SENSORS FCR AIRBORNE TERRAIN SATATONS,957•1960 JULY 1962 • FROM SATELLITE FERRY SATELLITE PARAPETRIC APPLICATIO SATELLITE ALTITUDES, JULY 1962. 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THE ARCTIC OCEAN CEEP• SEA PLCOR,•CN THE FIRSTHOTEGRAPHS C AFCRL-231
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SCLICIFICATION CF SP SEA ICE, OCTCBER 1960. AFCRL-TN-60-806
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E BOUNDARY LAYER EVERPE SP SEA, DECEMBER 1961. • BALANCE AT TH AFCRL-62-289
VES FROP CPERNE CCASTAL SP SEA, MARCH 1, 1961. • H . 2. RADICWA AFCRL-736
C BAVESITLRED FROP THE SP SEA, SEPTEMBER 15, 1961.•S.M.F. RADI AFCRL-1126

MORIC SCALING NEAR THE METAL+IC+GLASS +ACCLU NVESTIGATION ON CERAMIC STUDY OF BOMBARDME CHEZ+PCPPR. GING ON THE+PERCONDUCTO A
IN NUCLEAR REACTIONS ITTED ELECTRONS PINALE+A ITTED ELECTRONS A NTS
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TS IN SILVER AT 23C PC- PAR 2 6C 4CC PC- CF TRICIII SPECTROGRAPHIC ICO CP- E LAUNCHES,CTOBER 1961. A PROCEEDINGS OFFET+IL' SCLID PROPELLANTCM+THE CHEMICAL KINETICS + A ICANC PLASMA RESEARC+ PROCEEDINGS CF THE IN ASTRONAUTICS II, SSILE BACIATICNALLY+IL' CF ISOLATERNVIRCNMENTS, 1961 TO 3C AUGUST 1962+ IN GENERALELLATIVITY II+ ENSCN AND THEEAT + THE PROPELEP IN THE ICN OF THECSP+FIDST AND ECHACICAL BASIS PC+ THE N INCPICP+JUN 1959 THE RTENSIONS CF LIAPLANC+S ECLATICNSF THE IMPLICATIONS CF THE CF ORCINARY,CN+LINEAR, 1957' GENERALIZED LLASTICITY +RESEARCH CN BOUNDS PCR SCLLTICNS CF CIRCI+LET PROBLEP PCR RENTIAL ECLATICN PC THE PERENTIAL EQUATICN CP+E THE NEUMANN PROBLEP PCR NORPAL STRESSES IN CPERATORS CF THE THE OPTIPLP RESPC+SE CF DETECTING SPCCR INDUCED THE INTRINSIC PCRP PCR DICRI+CANCPPAL SYSTEPS, THE FIRST AND TITAN II, ICNCNCEP+PRCCEEDINGS CP PROCEEDINGS CP THE ROYPTCN ANERGCN+ROYPT+ ARGCN, ROYPTCN ANCENCE+ E2 TRANSITIONS FRCP THE CPERATORS CF THE ACCCPPCDATICN CF AYER THEORY WITHPPLICA+ A CLASS CF NCN+LINEAR SINGLE CRYSTAL CPLANINE RRECTIONS FCR AN IS'CN+ REVIEW AND EXTENSICN CF BINETIC+PCWER ACE AND COPPARISCN WITH IN SUPERSCASCL+JUL 1961 THE PROPAGATICN CF INVESTIGATION CF INVESTIGATION CF STABILTICN CF A L+PESCN NG, CREEP RECCVERY, AND MICROWAVE FIELCAY I+ + ANGULAR DISTRIBUTION CF N CEOMYPECLMATICA PLATENLP ICLYSIS CFVERCCARPCNS,+ PRIMARYC+PROCLCTICA CF HEERIOC RANGE 2C TO 14C CF LYAPUNCV+S ICN, SEPTEMPER 3C, 1961 + THE APINE LEVELS, GASTRIC LESIONS CN THE ALE STIPULATE CESTACCEN UPTAKE CPCCINE AND FOR CCNTACLF THE CCNIC EER CF ELLIPTICAL CRCSS DISSCCIATICN CRCSS INCREASES IN CRCSS CCISINTEGRATICNF +CRCSS PRCCLETICN CRCSS T WITH ARIANGULAR CRCSS REACTICN CRCSS+ RIC BCC CYLLIPTIC CRCSS ING BASED CN RACARRCSS+ ING BASED CN RACARRCSS+ A CHANGE AT THETAPPRACH COMPTENCATTERING CRCSS DISSCCIATICN CRCSS CF APAPEZOIDAL CRCSS ANC VISCOSITY CRCSS

SEA,EPTEMBER 19, 1961. + IN ICNCSP SEAL FOR LOW TEMPERATURES SEALS FOR ELECTRON TUBES APR 1960 I SEARCH ANTENNAS FOR ECM APPLICATIONS SEARCH FOR A METHOD OF STUDYING THE SEARCH FOR AN EFFECT OF SURFACE CHAR SEARCH FOR BALL STARS SEARCH FOR BECAYP THE 0.00 PEV STATE SEARCH FOR POLARIZATION IN FIELD+EMI SEARCH FOR POLARIZATION OF FIELD+EMI SEARCH FOR SPHELON PINUS HYPERPRAGME SEARCH FOR THE ANISCTROPY OF INERTIA SEARCH FOR THE IONIZATION OF H2 ON O SEARCH FOR THE NATURAL ALPHA ACTIVIT SEARCH OF THE FUNDAMENTAL UNITS OFER SEARCH RADAR AND SIPQUIPMENT JANUARY SEARCH RADAR AND SIPQUIPMENT, PHASE SEARCH 1956+1957, TASKS I AND IIERSO SEARCHING AND TRANSLATICN++AN ANALYT SEARCHING DEC 1961 TIME ESTI SEARCHING LEGAL LITERATURE ELECTRONI SEARCHING STRATEGY, THEO SEASCN SEP 59+ CP CYNAMICAL PREDICTI SEASONAL VARIATION AND INTERPRETATIO SEASONAL VARIATION CP SPREAD F IN TH SEASONAL VARIATION CF THE TWILIGHT S SEASONAL VARIATIONS OF T. E. BACKSCA SEATTLE ANDERSTEAN WASHINGTCN, JUNE SEC AND 4.LR. NCV 1961 + PEASUREMEN SEC CUTOFF NCTCH ANTENNA AERODE EFI SEC HALFLIFE FCR THE FIRSTICITED SEC STREAK GENERATORS EMPLCYINGEASON SECRET+ RADAR OBSERVATIONS CF MISSILE SECOND APCRC MILITARY GRCCERY SERVENA SECOND APOSR CCNTRACTOR+S PEETING ON SECOND APOSR CCNTRACTORS+ PEETING ON SECOND APOSR+CCNTRACTOR CCNFERENCE O SECOND ANNUAL ARCTIC PLANNING SESSIC SECOND ANNUAL ASTRONAUTICSYMPCSTUP, SECOND ANNUAL REPORT OF BALLISTIC RI SECOND ANNUAL REPORT, FEBRUARY 28, SECOND ANNUAL SUP ARY REPORT, 1 MAY SECOND APPROXIPA+TICN, + METHCD SECOND APPROXIPATICN TO THE STRESS I SECOND BOUNDARY VALLERCBLEP IN ELAST SECOND HARMCNICS OF THE DAILY VARIAT SECOND LAWS THERMCDYNAMICS APR 1961 SECOND LIMIT CF THE HYDROGEN / OXYGE SECOND PETHCD 1960 E SECOND ORDER ANC THE METHCD OF ASCEN SECOND ORDER CONSERVATION LAW IN SECOND ORDER DIFFERENTIAL EQUATIONSN SECOND ORDER DIFFERENTIAL OPERATORND SECOND ORDER EFFECTS IN INFINITESIMA SECOND ORDER ELLIPTIC PARTIALDIFFEREN SECOND ORDER ELLIPTICAMTIAL DIFFEREN SECOND ORDER FEB 1961 + LINEARIPPE SECOND ORDER SEPT1960 + OF THE CIP THE NEUMANN PROBLEP PCR NORPAL STRESSES IN SECOND ORDER VISCCELASTICITY CRCI960 SECOND ORDER WITHVARIABLE COEFFICIENT SECOND ORDER, VELCCITY+CONTROLLEDVST SECOND ORDERPHASE TRANSITIONS IN SECOND ORDERPIFFERENTIAL OPERATORS+ON SECOND PART,INAL REPORT OCT 1961+ OF SECOND POSITIVE BANCS OF N2 SECOND STAGE RCCKET ENGINE, DEC 17, SECOND SYMPCSIUM ON ADVANCED PROPULS SECOND SYMPCSIUM ON IMELASPA SHEATH SECOND VIRIAL CCEFFICIENTS CF ARGCN, SECOND VIRIAL CCEFFICIENTS CF NECN, SECOND 2D LEVEL OF EVEN+EVENUCLEI SECOND 3RDER WITHVARIABLE COEFFICIENT SECOND+CLASS TRAFFIC SECOND+ORDER COMPRESSIBLE BCUNDARYVAL SECOND+ORDER DIFFERENTIAL EQUATIONAPR SECOND+ORDER EFFECTS IN RACICAL SECOND+ORDER HYPERFINE AND ZEEMAN CO SECOND+ORDER HYPERSCNICEQUACARYVLAYER SECOND+ORDER TERMS AS OBTAINEDFROM SECOND+ORDER THECRY + INTERFERE SECOND+ORDER THECRY FOR A THIN WING SECOND+ORDERCORRELATIONS IN NCN+STATI SECOND+ORDERPLRSONIC INTERFERENCE SECOND+ORDERPLRSONIC WING+BODY SECONDARIES JAN 1960 ANGULAR DI SECONDARY CREEP + STRAIN+HARDENI SECONDARY ELECTRON PULTIPLICATION IN ANGULAR DISTRIBUTION CF N SECONDARY ELECTRONS FNCP 100 PACESP SECONDARY HYDROGEN ISOTOPE EFFECTS O SECONDARY POSITIVE ION EMISSION FROM SECONDARY PROCESSES IN GAS PHASE BAC SECONDARY VCATIECS IN THE FIELD OF A SECONDS, APRIL 1962. + CCEAN FOR T SECONS METHCD TC THEYNTHESES CF SECRETBACKG + EVALLAT SECRETION AND ABSORPTION CP ENDOLYMP SECRETION ANEPECIFIC PSYCHOLOGICAL SECRETION ANETERY OF HYPOPHYSIAL SECRETION IN FEMALEANARIES + THE M SECRETION OF THYROID HORMONE IN SECRETION OF THYACTROPHIC AND ADRENC SECTION + ALONG AIELECTRIC CYLIN SECTION NOV 1960 SECTION IWITH SPECIAL CONSIDERATIF SECTION AND POLARIZATION IN THE PHOT SECTION AND QUANTUMELECTRODYNAMICS SECTION APRIL 1959+TRANSFER IN A CYC SECTION AT HIGH ENERGYCOLLISIONS, SECTION AUGUST 1960. + ON A DIELECT SECTION DATA SECRET FEB 1960 + SCRT SECTION DATA SECRET MAY 1960 + SCRT SECTION DEC 1960 + TUBES WITH IRE SECTION FER 1960+POLARIZED GAMMA RAY SECTION FINAL REPORT 1961 SECTION FLUX CONCENTRATOR, JUNE 6, SECTION FOR SCREENEC COULOMB POTENTI

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APOSR 3510
APOSR TN 60-1212
APOSR 3552
APOSR TN 60-426
APOSR TN 60-114
APOSR TN 60-622
APCRL-500
APCRL-62-700
APCRC-TR-59-97
APOSR TN 59-1141
APOSR 1907
APOSR 3376
APOSR 2710
APCRC-TN-59-415
APCRL-TN-60-625
APCRL-62 590
APCRL-62-691
APOSR TN 59-889
APCRL-1076
APOSR 1753
APCRC-TN-60-295
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ARL 62-368
APCRL-931
APCRL-TN-60-602
APOSR TN 60-663
APOSR 1417
APOSR TN 59-770
APCRC-TN-59-661
APOSR TR 59-94
APCRL-655
APCRL-62-602
APCRL-62-765
ARL P061
APOSR TN 58-753
APOSR 1972
APCRL-TN-60-663
APOSR 630
APOSR TN 60-1293
AYOSR TN 60-22
APOSR 756
APCRL-778
APOSR TN 60-111
APOSR TN 57-141
ARL-TR 60-294
APOSR 590
APOSR TN 59-1251
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APCRL-62-1145
APOSR 637
APCRL-62-537
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APOSR TN 60-513
APOSR TN 60-614
APOSR TN 59-1142
APOSR 3101
APOSR 1270
APOSR TN 59-179
APOSR TN 59-1208
APOSR 1796
APOSR 3081
APCSR 482
APOSR TN 60-257
APOSR 1845
APOSR 1474
APOSR TN 59-962
APOSR 3438
APOSR TN 60-94
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APOSR TN 60-753
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APOSR 629
APCRL-62-469
APOSR 210
APCRL-1069II
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APOSR 3983
APOSR 1991
APOSR 224
APOSR TR 60-74
APOSR TN 60-620
APOSR 3956
WADC TR 59-222
APCRL-TN-60-677
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AFCRL-62-810
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AFOSR 2650
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AFCRL-62-1130
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RCSSECTCN CF THE SHIFT CF THE AFCRL-TN-60-979
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IN SILICCN AFOSR TN 60-1122
C ANDYNAMIC SHARPING CF AFOSR TN 60-831
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ODYNAMICS JUN 1959 A AFOSR TN 59-969
TICN CGENERALIZATICN CF AFCRC-TN-59-197
S INSTRUMENTS ANCCGLLA AFOSR 3635
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THE CCURSE CF PERCEIVED AFOSR 2019
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ICNIZATICN LOSS CN THE AFOSR 4127
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DERIVATIVE CCNTROL IN AFCRC-TN-60-110
CCMASTICAC+SYNTHESIS CF AFOSR 2036
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R, JUNE 1962). A TIPE AFCRL-62-519
RSCNIC+HEAT TRANSFER TO AFOSR TN 60-938
RANPPED CCNSTREAM CF A AFOSR 1060
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AT FLUCTLATIONS IN FREE AFOSR 2142
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INVESTIGATICA CF A ARL-N025
LAR CYLINDERS ANCCNICAL SHELLS DECEMBER 1961 + CF CIRCU ARL 184
LS ANCAVERTEC PLATES ANC SHELLS FEB 1962 + CF HOMOGENEO AFOSR 2256
CF SANCWICH PLATES ANC SHELLS FINAL REPORT NOV2 VIBRATIONS AFOSR 4162
CNISCCELASTIC SPHERICAL SHELLS JAN 1959 + CF THIN SHALL AFOSR TN 59-109
IC SANCWICH CYLINDRICAL SHELLS JAN 1960 VIBRATIONS OF ELAST AFOSR TN 60-324
STRUCTURING CRYLINDRICAL SHELLS JUL 1962 + CN BUCKLING AND PO AFOSR 3941
ATIONS FCR THINSCTROPIC SHELLS NCV 1958 + STRESS+STRAIN REL AFOSR TN 58-594
CF RCCKING ABSCRPTICN SHELLS SECRET RESTRICTEDATA CCT 59 AFCRC-TN-60-250
CS CF PLASTIC SPHERICAL SHELLS SEPT 1960 ON THE DYNAMI AFOSR TN 60-1165
BUCKLING CF CYLINDRICAL SHELLS SUBJECTED TO UNIFORMPRAL AFOSR TN 59-538
THIN CIRCULAR CCNICAL SHELLS SUBJECTEDD AXISYMPETRICAL AFOSR 859
PLCTING CF THIN SHELLS SUDAER AUG 1961 AFOSR 1422
VISCOELASTIC SPHERICAL SHELLS TO TIPERFRNDENT AXISYMPETRIC AFOSR TN 58-593
OF CIRCULAR CCNICAL SHELLS UNDER AXISYMPETRICALXTERNAL AFOSR TN 60-711
OF CIRCULAR CCNICAL SHELLS UNDER AXISYMPETRICALXTERNAL AFOSR 3702
CF PLATES AND SHELLS UNDER EXTERNAL LCADINGNC AFOSR 2280
STABILITY CF THIACNICAL SHELLS UNDER EXTERNAL PRESSURE + IN AFCSR TN 60-460
IN CIRCULAR CYLINDRICAL SHELLS UNDER EXTERNAL PRESSURE + CPH AFOSR TN 60-169
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ING OF CIRCULAR CCNICAL SHELLS UNDER EXTERNAL PRESSURE+RUCRL AFOSR 3511
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CF SPHALLCW SPHERICAL SHELLS UNDER STATIC ANDYNAMIC LOADIN AFOSR TN 60-851
'N CIRCULAR CYLINDRICAL SHELLS UNDER UNIFCRP AXIALCMPRESSION AFOSR 2028
CF ORTHCTROPIC CCNICAL SHELLS UNDERXTERNAL PRESSURE SEP AFOSR 3702
RELATICASPIPSIDN +CLCUC SHIELD AND RADAR PRECIPITATICN ECHO AFCRC-TN-60-478
CF PCLARIZABILITIES AAC SHIELDING FACTCRS961 + CALCULATICN AFCRL-1082
AS A FUNCTICN CF CRIVE SHIFT APR 1962+STIPLLUSENERALIZATICN AFOSR 2956
ANC CCPPLED+ SHIFT CALCULATIONS FOR ANNTERPLANETA AFCRL-TN-60-1161
CR PRECICN RESCNANCE SHIFT IN PYRENE PCNERGATIVE ICN AT 62 AFOSR TN 60-904
LAMB SHIFT IN THE HELIUP ATCP AFOSR 661
R + IL+ LMP FREQLENCY SHIFT BEYCD RECEIVER CCNFICENTIAL MA AFCRC-TR-59-121
OF THE LSE CF PHASE SHIFT BEYING CVERN ICNOSPHERIC SCATT AFCRL-TR-60-131
TCRTAIN PICCHAVE PHASE SHIFT MAR 959 + CYCLCTRON RESCNANCE AFCRC-TR-59-134
F RACTIC FREQLENCY PHASE SHIFT OCT 31 59 AUTCMATIC CONTROL O AFCRC-TR-59-363
LFICERYSTAL+TEPPERATURE SHIFT OF EDGE EMISSION IN CADMIUM SU ARL M040
TURNE+DCPPLER FREQLENCY SHIFT OF M.F. TC S.H.F. RADIO WAVESE AFCRL-1126
SCATTERING CROSSEC+THE SHIFT OF THE SHARCW BOUNDARY AAC THE AFCRL-TN-60-973
NTEGRATEC SEMICCNCLCTCR SHIFT REGISTER PAY 1960 I AFCRC-TN-60-583
AAC FREQLENCY+ SHIFT RELATIONS IN THECALINEAR THEOR AFOSR TN 59-892
I. LMP PHASE SHIFTER FINAL REPORT, MARCH 15, 196 AFCRL-391
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LMP FERRCELECTRIC PHASE SHIFTER RESEARCH, APRIL 30, 1962. AFCRL-62-919
E SINGLE+SIDEBAND PHASE SHIFTERS, JULY 1962. ACTIV AFCRL-62-511
CRCCRAM FRCMM CHEMICAL SHIFTS + ASSCCIATICA CCNSTANT OF CHL AFOSR 1214
IN, + PRCTCN RESCNANCE SHIFTS AND ELECTRON SUSCEPTIBILITIES AFOSR 929
IVISCUSSICN CF CHEMICAL SHIFTS AND SPIN COUPLING CCNSTANTS AFOSR 2462
CN SCATTERING PHASE SHIFTS FOR CCMPCUND SYSTEPS,CTOBER AFCRL-TN-60-687
CN CF R +N P+WAVE PHASE SHIFTS FROM R +DEACTIONS+DETERMINATI AFOSR TN 60-806
ALIS CALSECY +FREQLENCY SHIFTS IN HYPERFINE SPLITTING OF ALK AFOSR TN 60-783
STLCY CF PCAC FREQUENCY SHIFTS IN LIQUICIMLA REPORT OCT 1961 AFOSR 1610
ISCTCPE SHIFTS IN PALLADIUP AFOSR 3549
ABST' SCME ISCTCPE SHIFTS IN THE SPARK SPECTRUP CF TE I AFOSR 3551
ISCTCPE SHIFTS IN THE SPECTRA OF PC AND RU AFOSR 3550
Y IN ISCTCPE AAC ISCPER SHIFTS JAN 62 NUCLEAR POLARIZABILIT AFOSR 2389
ASPSAY+PRESSURE+INDUCED SHIFTS OF HCl LINES DUE TC FOREIGA G AFCRC-TN-60-475
ENPRAB+PRESSURE+INDUCED SHIFTS OF HCL ABSORPTICA LINES IN TH AFCRC-TN-60-655
S CN SINGLE CHANNEL+PASE SHIFTS, DECEMBER 1952. + ANC BOUND AFCRL-62-1040
PRCTCA RESCNANCE) SHIFTS' IN DIPHENYL PICRYL HYDRAZYL AFOSR TN 60-736
ANTENNA CATOLCG, V. 3 SHIP ANTENNAS, CCTCPER 1960CONFIDENT AFCRL-TR-60-134 V3
NSF, CAB, AFCSR, SHIP STRUCTURE CCPPITTEE JCHNSLEY / AFOSR TN 59-213
VI. SECRET CRCLAC, SHIP, +NDIRCRAFT ANTENNAS. CCTOBER AFCRC-TR-60-134 VI
CCNFICENTIAL GRCLAC, SHIP, ANDIRCRAFT ANTENNAS CCTOBER AFCRL-TR-60-134 V5
CRDER THEORY CF CURVED SHOCK AUGUST 1960 HIGHER ARL-TN 60-147
THE INFLUENCE CF THE SHOCK CLVATURE CN THE BEHAVICR AFCSR TN 60-301
A GRAPHICAL SCLUTICN CF SHOCK EQUATICAS, NCV 1959 AFOSR TN 59-1088
SICN THRCUGH HYPERSCNIC SHOCK FRCNT, MAY 1961. + DIFFU AFCRL-582
RCP THE NCN+EQUILIBRIUP SHOCK FRCNT, CCTCBER961.+RADIATICN F AFCRL-937
THE CURVATURE CF SHOCK FRCNTS IN SHOCK TUBES JUL 1962 AFOSR 3790
JULUG + PECULIERITY CF SHOCK IPPIGEPENT CN AREA CCNVERGENCE AFOSR TN 59-1187
CF DETECTING SHOCK INDUCED SECCNC DECREASE TRANS AFOSR 2030
ESSIBLE BCUNDARY LAYER+ SHOCK INDUCED UNSTEADY LAMINAR COPPR AFOSR TN 58-581
962 ICNIZATION IN THE SHOCK INITIATICN CF DETCNATICN SEP 1 AFOSR
REACTICN RATES AAC THE SHOCK INITIATICN OFFTONATICN IN AFOSR
CF A WING+AGCT, FIVE SHOCK INLET AT AACH NUMBER OF 3.09 AFOSR
VECTCR PCLAR METHCC FCR SHOCK INTERACTIONS WITHREA DISTURBAN A
ATRCPY CHANGE THRCUGH A SHOCK LAYER ON THE E
REAMED CYLIN+HYPERSCNIC SHOCK LAYER AT LCW REYNCLES NUMBER+T
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MA+INTERACTION +STLCY CF SHOCK PROPAGATICN IN A RAREFIED PLAS AFOSR TN 59-1200
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PART II,•• ON THE CHEMISTRY AND ON THE CHEMISTRY AND SPIN CF AN IRRACIATEC SCNANCE CF A•IRRACIATEC CF YTTRIUP IN OF AN IRRACIATEC CF HYPERPLRE TAN •DESLIP IN ALLPIALP OF SINTERING OF PLTILE LECTRICAL PROPERTIES CF PROPERTIES CF CF A GAPPA•IRRACIATED PLSCNANCE CF IRRACIATEC CF HYPERPLRE TPE ••ICATICN CF COPPER SP ••ACRIT IN CCS SE C PCR ••• LNGTH CF CCD R GRDUINC ••TRACCNAL PCS ICN STUCIES CF GRAY TIN BSES IN SILVER CHLCRICE CIPHENYL AITRICIDE IN OF CEFORMATION IN CVERY OF STRAINELLPIALP THINNING IN ZINC CYST II FATIGLE CF ZINC CN THE GRCWTH OF •IRON FCR GRCWTH CF RESTCNCN•CEFORMATICN CF ELP•CIPPLSICN INDUICREL IN PLASTICALLYDEFORPED GTH OF AL BASE ZN ALLCY IN DEFORPED PLASTIC CEFORMATICN CF PAGNETCRESISTANCE CF INFRAREE SPECTRLP CF CRYSTAL STRLCTLRE CF IRRADIATICN EFFECTS CN ARNETNC •PREPARATION CF CF THE CEFORMATICN CF FCR THE GRCWTH CF LARGE ICE •ADSCRPTICN EDGE IN STRESS INAGNESILP CHICE SCLICCLLTICNS CF SPALL RCPENT CN SEPICCNFLCTICN ISSICN IN ZINC SELENICE IFFLSICN PARE IN SILVER EIT SPLITTING IN ZNCES, PROPERTIES CF LE X•RAY REFLECTICNS CF L NT NICHEL IN SAPPHIRE ING PILTEDE•A DICE BAND BY THEESERVATICN CF LICATIONS CCTCBER 1959 IL' THE CCMBLSTICN CF IL' THE CCMBLSTICN CF CF DISCHARGE CF ANING FLEL CRCPLETS I A CN PARAPETERS PCRASECA FCR LINES OPELTRAL AND CN THE RESPCNSE CF A SOPE PROPERTIES CF ERING ANC • JAN. 196C. PRCPLPLICATE AND FIELC EQUATIONS FCR A COPPATIBLE OF IONCSPHERIC CATACD• SEPARATEN SPACE PAY A THE VISCAL CETECTICA CF CF A NETWCRCENTAINING A LPRCPERTIES •EFFECTS CF ATRBAL GENICLLATE ACCY• LASPES IN CAT•S CPTICA• TICNS FINAL REPCRT • ATER INME • ACTIVITY CF ACTIVITY CF SINGLEP CATTERING CF SCLAC BY A BY INTERACTICN CF A PATERIALS ASS DRCGEN PCLECULE CVERDGEN PCLECULE EPARATICA CF LARGE AREA AN 1960 L•P ACISE IN PAGNETIC CCEFFICENTS CF OLC THECREPS PRCCEDURE FCR A PRCCECLRE FCR A II APPLICATICN TO ULY 1, • THE THECRY CF 1962. ACTIVE NARCCSI ACTIVITY CF NCPEIR APPLICATICA TC A ETRAPHENYLS, OCT 1962. TEST AUG 1959 THE SIMULTANEOUS TRANSFER CF MCPENTUM, N SIPULTANEOUS VARIATIONS CF PAGNETIC SIMULTANEOUSLY SCANNED ANTENNA SYSTE SIMULTANEOUSLY SCANNED ANTENNA SYSTE SINE LA • 1960. INVESTIGATICNS ON T SINGLE AND DUAL CAVITY PEASLREMENTS SINGLE BCND• THE BARRIERC ACTATICN A SINGLE SCND•THE BARRIERC ACTATICN AR SINGLE CELLS CF THE SPINAL CORD • TH SINGLE CHANNELHASE SHIFTS, DECEMBER SINGLE CCRTICAL CELLS OF MONKEY TCON SINGLE CRYSTAF GIGLYCOLIC ACIC MCNOH SINGLE CRYSTAL • ZONES INE SINGLE CRYSTAL BISPLTH TELLLRIDE, SE SINGLE CRYSTAL CES DISPLACEMENT SINGLE CRYSTAL CES, 1961•CN THE NEAR SINGLE CRYSTAL CLPHCUS CXICE ANCHNE SINGLE CRYSTAL CLPHCUSXICE AT HIGH• SINGLE CRYSTAL CIFFRACTCPETER PCREUT SINGLE CRYSTAL PCRP SUPPLEPENTARYCPY SINGLE CRYSTAL GRCWTH BYLECTRCCHEPICP SINGLE CRYSTAL GRCWTH INICN TEMPERAT SINGLE CRYSTAL GRCWTH OF THE GARNET SINGLE CRYSTAL GRCWTH OF THE GARNET SINGLE CRYSTAL GRCWTH OFAGNETIC SINGLE CRYSTAL GRCWTHF PAGNETIC SINGLE CRYSTAL CP CBUTERATECL•TARTAR SINGLE CRYSTAL CP•ACETYL PETHICNINE SINGLE CRYSTAL CPALCIUP FLLCRIDE, SINGLE CRYSTAL CPLARINE SECCND•ORDER SINGLE CRYSTAL SILICCN CARBICE,9 SINGLE CRYSTAL SPECIPENS FINAL REPCR SINGLE CRYSTAL SPHERES JUL KINETICS SINGLE CRYSTALELLURIUM AUG 1961 • E PROPERTIES CF SINGLE CRYSTALELLURIUM PAY 1962 SINGLE CRYSTALP CL•SERINE 1961 SINGLE CRYSTALP TRIFLUCRCACETAMIDE CF HYPERPLRE SINGLE CRYSTALSILICCN CARBIDE, APRIL SINGLE CRYSTALS SINGLE CRYSTALS A PETHO SINGLE CRYSTALS PETHOD FC SINGLE CRYSTALS TRANSFCRPAT BSES IN SILVER CHLCRICE SINGLE CRYSTALS • NUCLEAR PRCCE CIPHENYL AITRICIDE IN SINGLE CRYSTALS • RESONANCE STUDY OF OF CEFORMATION IN SINGLE CRYSTALS ANC BICRYSTAF ALUPIN CVERY OF STRAINELLPIALP SINGLE CRYSTALS APR 1959 • AND REC THINNING IN ZINC SINGLE CRYSTALS AUG 1958 CYST II FATIGLE CF ZINC SINGLE CRYSTALS AUG 1960 • ALL CN THE GRCWTH OF •IRON SINGLE CRYSTALS BYALCGEN REDUCTICNS FCR GRCWTH CF SINGLE CRYSTALS BYHERMAL FLSICN RESTCNCN•CEFORMATICN CF SINGLE CRYSTALS CONTAINING GUINIER•P ELP•CIPPLSICN INDUICREL SINGLE CRYSTALS JUL 1959 S IN PLASTICALLYDEFORPED SINGLE CRYSTALS PAY 1962 FINAL REPCR GTH OF AL BASE ZN ALLCY SINGLE CRYSTALS PAY1960 • CF TMETREN IN DEFORPED SINGLE CRYSTALS LSEC FCR SEPICCNDLCT PLASTIC CEFORMATICN CF SINGLE CRYSTALS OF ALPHA BRASS •ANT PAGNETCRESISTANCE CF SINGLE CRYSTALS OF ALPHA BRASSART I INFRAREE SPECTRLP CF SINGLE CRYSTALS CF AN ALUPINUPSILVER CRYSTAL STRLCTLRE CF SINGLE CRYSTALS OF COPPER IRRADIATICN EFFECTS CN SINGLE CRYSTALS OF LICH LICE ANDICH• ARNETNC •PREPARATION CF SINGLE CRYSTALS OF PTNC3*3.6 H2O CF THE CEFORMATICN CF SINGLE CRYSTALS OF SOFT PAGNETICATER FCR THE GRCWTH CF LARGE SINGLE CRYSTALS OF YTTRIUP GALLIUP G ICE •ADSCRPTICN EDGE IN SINGLE CRYSTALS OF ZINCADER DYNAMIC STRESS INAGNESILP CHICE SINGLE CRYSTALS OFAGANIC SUBSTANCES SCLICCLLTICNS CF SPALL SINGLE CRYSTALS OR ALLCYS CP ZINCULF RCPENT CN SEPICCNFLCTICA SINGLE CRYSTALS SEPTEMBER 1960 ISSICN IN ZINC SELENICE SINGLE CRYSTALS USEC FCR SEPICGNDLCT IFFLSICN PARE IN SILVER SINGLE CRYSTALS 1959• HIGH ENERGOPBA EIT SPLITTING IN ZNCES, SINGLE CRYSTALS, SPIN•OR PROPERTIES CF SINGLE CRYSTALS•BOCC ATM ON THEFLE•D LE X•RAY REFLECTICNS CF SINGLE CRYSTALSF CACPIUP SULPHIDE L NT NICHEL IN SAPPHIRE SINGLE CRYSTALSINAL REPORT PAR 1961 ING PILTEDE•A DICE BAND SINGLE CRYSTALS960 ANALYSIS CF DIVA BY THEESERVATICN CF SINGLE CICDE PARAPETRIC APPLIFIER US LICATIONS CCTCBER 1959 SINGLE DISLCCATICNS, FINAL REPORT IL' THE CCMBLSTICN CF SINGLE DCPAIN CRITERIA ANC THEIR IMP IL' THE CCMBLSTICN CF SINGLE DROPLETS CF BORON CONTAINING CF DISCHARGE CF SINGLE FIBERSF THE PUSCULAR SYSTCP ANING FLEL CRCPLETS I A SINGLE FLELLATE PAY 1960 • APENG RU CN PARAPETERS PCRASECA SINGLE GENERALIZED CHART CF DETCNATI FCR LINES OPELTRAL AND SINGLE IONIZED CRCPTIUP JUN 1961 CN THE RESPCNSE CF A SINGLE LARGE SCINTILLATCR TC EXTENSI SOPE PROPERTIES CF SINGLE LOOP DIAGRAMS INERTIARATICN ERING ANC • JAN. 196C. SINGLE PARTICLE SINGULARITIES INCATT PRCPLPLICATE AND SINGLE PHOTCGRAPHS, 1938•1941 AND FIELC EQUATIONS FCR SINGLE PROPAGATORS,•EER SCLLTICN A COPPATIBLE SINGLE SIDEBAND SYSTEP NOV 30 59 OF IONCSPHERIC CATACD• SINGLE STATICA AND SYNOPTIC ANALYSIS SEPARATEN SPACE PAY A SINGLE STIPULLS EVOKE TWO SENSATIONS THE VISCAL CETECTICA CF SINGLE TARGE•RESPONSE TENCENCIES IN CF A NETWCRCENTAINING A SINGLE TIPE VARYING ELEPENT DEC 1958 LPRCPERTIES •EFFECTS CF SINGLE TRACE ALLCYS ADDITICNS CN THE ATRBAL GENICLLATE ACCY• SINGLE UNIT ACTIVITY IN THE RABBIT L LASPES IN CAT•S CPTICA• SINGLE UNIT CPF RESPCNSES TC BRIEF F TICNS FINAL REPCRT • SINGLE UNIT STUCIES OF CORTICAL FUNC ATER INME • ACTIVITY CF SINGLE UNITS IN THE PRIPARY OPTIC CO ACTIVITY CF SINGLEP SINGLE UNITS IN THE PRIPARY OPTICAL CATTERING CF SCLAC BY A SINGLE VCRTEX AND BYBRULENCE• THE S BY INTERACTICN CF A SINGLE VORTED WITHA SHOCK WAVE JUN PATERIALS ASS SINGLE• AND ECUBLE•LAYER ABSORBERS, DRCGEN PCLECULE SINGLE•CENT WAVE FUNCTION FCR THE HY CVERDGEN PCLECULE SINGLE•CENTER WAVE FUNCTION FCR THE EPARATICA CF LARGE AREA SINGLE•CRYSTAL CLPHCUS CXICE PA AN 1960 L•P ACISE IN SINGLE•CRYSTAL GERRANIUP FILAPENTS M PAGNETIC CCEFFICENTS CF SINGLE•CRYSTAL TELLURIUP GALVANO OLC THECREPS SINGLE•DOPAIN PARTICLES RED USES CF PRCCEDURE FCR A SINGLE•LINK UNIBIRECTIONALIGITAL PRCCECLRE FCR A SINGLE•LINK UNIBIRECTIONALCPUNICATI II APPLICATICN TO SINGLE•PARTICLELCLEAR PATRIX ELEPENT ULY 1, • THE THECRY CF SINGLE•RING CIRCULAR ANTENNA ARRAYS, 1962. ACTIVE SINGLE•SIDEBAND PHASE SHIFTERS, JULY NARCCSI ACTIVITY CF SINGLEP SINGLE UNITS IN THE PRIMARY NCPEIR APPLICATICA TC A SINGLEPOLE EIGHT•THROW SWITCH APR 60 ETRAPHENYLS, OCT 1962. SINGLET•TRIPLET TRANSITIONS IN THE T TEST AUG 1959 THE SINGLY•GROOVED, PLANE STRAIN TENSILE

APOSR TN 60-915 AFCRL-733 AFCRL-62-376 AFCRL-62-85 AFOSR TN 60-674 AFCRL-TN-60-979 APOSR 562 APOSR 485 AFOSR 2184 AFCRL-62-1048 AFOSR 2909 AFOSR 1690 AFOSR 4027 AFCRL-62-362 ARL 1015 ARL 196 AFOSR TN 60-485 AFOSR TN 60-485 AFOSR 4017 AFCRC-TR-59-104 AFCRL-62-594 AFCRL-62-771 AFCRC-TN-60-162 AFCRL-62 AFCRL-62-701 AFCRL-513 AFOSR 1653 AFOSR 3934 AFCRL-62-628 AFOSR TN 59-1204 AFCRC-TN-59-192 AFOSR 2304 AFOSR 2769 AFOSR 284 AFOSR 2640 AFOSR 1357 AFOSR 2082 AFCRL-TR-60-368 AFOSR 3389 ARL R061 ARL R059 ARL R068 AFOSR TN 60-794 AFOSR 3364 AFOSR 193 AFOSR 1073 AFOSR TN 59-381 AFOSR TN 59-269 AFOSR TN 60-170 AFOSR 730 AFCRL-593 AFOSR TN 59-1083 AFOSR TN 59-1005 AFOSR 2643 AFOSR TN 60-524 AFOSR TN 60-4 AFOSR TN 59-1047 AFOSR TN 59-719 AFOSR TN 58-309 AFOSR TN 60-404 AFOSR TN 59-630 ARL-TN 60-110 AFCRL-775 AFOSR TN 58-163 AFOSR 4258 ARL R067 ARL-TR 60-272 ARL-62-474 AFOSR TN 59-958 ARL 195 AFOSR 262 ARL R037 ARL-TR 60-301 AFOSR 658 AFCRC-TN-60-570 AFCSR 31 AFOSR 2777 WADC TR 59-567 WADC TN 59-195 WADD TR 60-224 AFOSR 1242 AFOSR TN 60-516 ARL F003 AFOSR 1191 AFOSR TN 59-490 AFOSR TN 60-728 AFOSR TN 60-278 AFCRL-TN-60-628 AFOSR 3103 AFCRC-TR-60-103 AFCRC-TN-59-365 AFOSR 1261 AFOSR 1424 AFOSR TN 59-106 ARL-TR 60-295 AFOSR 2908 AFOSR TN 59-674 AFOSR 1691 AFOSR 2827 AFOSR TN 60-1279 AFOSR TN 59-337 AFOSR TN 59-1166 AFCRL-TN-60-761 AFOSR 342 AFOSR 3948 AFOSR TN 60-262 AFOSR TN 60-311 AFOSR 3307 AFOSR TN 60-61 AFCRL-TN-60-1101 AFCRL-TN-60-1316 AFOSR TN 60-1135 AFCRL-542 AFCRL-62-511 AFOSR TN 60-1279 AFCRC-TN-60-399 ARL-62-472 AFOSR TN 59-713

EPS FOR A FOURIER TYPE• EM APRIL 1959 A 959 CA A ARIABLES CA REGLLAR AND Y BALUE PROBLEPS ANCHE• RY CF HYPERSONICLE•CA A SCHARBOLI•CA A CLASS CF ATION ANC ELECTRCAP•ECA• P A •SOPE PROPERTIES CF LCES FCR THC INDCING • NE•IPENSI•NATLRE CF THE 1960. SINGLE PARTICLE C PSEUDCVECTCR•PLLTIPCLE GLANTLPP•EC•CNE PARTICLE ICAS SEF 1960 UCESN •JLN 1960 CEPPLER ES CNAPPY•JLL 1960 SCPE CF PRINCIPAL VALLE CA VAN NCVERS CLASSCAL GECPETRIC CHARACTER CF SBT THE SCLLTICA CF A SART II,• THE PETHCC CF VEII, •62// IN THE PROPERTIES CFRESSLRE• PROPERTIES CF CHPICAL TC AUG 31 1958 PHERES JLL KINETICS CF PRESENCE • KINETICS CF KINETICS OF INITIAL 1959 FACE DIFFLSICN, ANC ICE PERCENT AITERNACT 59 A CN•OFF CCNTROLYSTEP FC ERLYING BALF SPACE WITH IABLE•ICRNESS. PART II. PACEEP •GLICED WAVES CN CN TRAVELING•WAVEATENN• ANC SCATTERING BY CNS TOOP•APPLICATICA CF P NCISE. A CIGITAL AL CCNTCRNC RELATIVC AL CELLAINCCLA FIPPA CEL CELLA PLLICCINAPICA CI A CF P3 ICAS IN A CUBIC AN ARCTIC ICE•FREE LAND CLCUDCRCFT, NEW PERICO • THEIR RELATICN TC THE RELAXATICN AT CEFECT CF ICE•FREE WITH TPERENTSPECIATE CF ICE•FREE LAKE CF ARCTIC ICE•FREE LAND CE RELAXATICN AT CEFECT ICN OF AIRCRAFT LANCING YNAPIC PCTENTIALS IN CE COEFFICENTSNC THE ABSCRPTICA IN CYCEL TATE IN 2/ STATE IN CY 300 THE POST•ALCLEAR ATTACK CNGGRESSICN IN A SCCIAL BY THENSTALLATICA CF A ANXIETY LEVEL ANC PILC CTICN INRILL ANC CHANCE AND NCN•LEACERS IN E CCMPCSITICN 3 SI2C3•2 E CHAMICALENSITIVITY CF E CHEMICALENSITIVITY CF SUPERSENSITIVITY CF THE LCPPER PETHCC FCR •OE FOR RECTANGLLAR AND IN CHANCECATACLLEC AND PECHANISPS CF A CF THE FCREBRAIN • TICN OF •SENSITIVITY CF RECCVERY, AND RICE SPENCELECTRCCE FCR TCR CRGAN IN THEALYARIC RANSPISSICN SYSTEPS FCR TC THE PEASLREPENT CF WITH PCACCCPCATIC ALL• RESEARCH CN NICH• CBSERVATICNS CF NICH• ULTRAVICLETRY ANC SLA/ LLTRAVICLET SRYNC SLA / NTENSIT CF ULTRAVICLET HT CF MARCH 8, 196C,ER• E CETECTICA,ULY 25,•ALL E CVER ANA•CPCGENEC•THE THE APPLICATICA CF THE SYSTEP PLACTICNAL•ECPC• PTEPBER962•PERCEPTICA CF EAING CCPRECTICA TC THE LAB MCTICA CF A RCCKET A PEACRAIL ACTHET ACR JANT6•ACTES CF THE PICAL SUPERSCNIC RCCKET PEAC CN A ANALYSIS CF PARRINGS PHASES CF PHYSICLCGICAL AS TO THE PHYSICLCGY CP CONTERN BAREFULNESS AND PRESSURE CLRING NATLRAL PECHANISPS CF LYING THE PRCDUCTICA OF PRESSURE CLRING NATLRAL ION OF • INDUCTICN OF SLEEP ANC CLRING VITYURING PHYSICLCGICAL

SINGULAR DIFFERENTIAL BCUNDARY PRCBL SINGULAR DIFFERENTIAL BCUNDARY PRCBL SINGULAR DIFFERENTIAL OPERATOR JUN 1 SINGULAR HARPCNIC FUNCTIONS OF THREE SINGULAR INTEGRAL EQUATIONS, BOUNDAR SINGULAR INTEGRALS APR 1959 SINGULAR POINT IN THE NEDITERRAN THEO SINGULAR SOLLTICNS CF THE EULER•PCIS SINGULAR SOLLTICNS CF THE SPINOR EQU SINGULAR STURP•LUDVILLE EGLATICNSIT SINGULARITIES IN PARTIAL•WAVE APPLIT SINGULARITIES IN THE SPECTRUM OF A O SINGULARITIES INCATTERING AND PRODUC SINGULARITIES OF CLASSICAL VECTOR AN SINGULARITIES OF GREEN FUNCTIONS IN SINGULARITIES OF LINEAR SYSTEP FUNCT SINGULARITIES OF PARTIAL•WAVE APPLIT SINGULARITIES OF SCATTERING APPLITUC SINGULARITIES USED IN THECAPAL THEOR SINGULARITY CONDITION MAR 1960 SINGULARITY PANIPOLES PCRAPPONIC SINGULARITY CF AN EPBEDDEC ALGEBRAIC SINGULARITIES JUN 1960 • EQUATION SINLE•ANANT•CCAFIGURATION LCAC PC SINTERED ALBALI HALIDES JUN 1960 SINTERED ALUPINUPCHEERS DECEMBER SINTERING OF BERTHELLICE CCPPCUNDS SINTERING OF PETAL CRIDES JAN 1 1957 SINTERING OF RUTILE SINGLY CRYSTAL S SINTERING OF SOCIUP CHLCRICE IN THE SINTERING OF TITANILP DICRICE SINTERING OF VACUUP REDLCECTITANIUP SINTERING OF VANADILP PENTACICE JUN SINTERING OF ZINC CXIDE MAR 1962 SINTERING,CTCBER 1959. • SUR SINUCUS FLUSH••PCLNTEC FREQUENCY•IADE SINUSOICAL INPUTS APR 1959 • OF AN SINUSOIDAL INTERFACE, OCTCBER 1962. SINUSCICAL VARIATICA MAY 1960•OF VAR SINUSOIDALLY PCCULATED REACTANCE SUR SINUSOIDALLY PCCULATED WAVE GUIDES F SINUSOIDALLY•PECULATEDEACTANCE SURFA SINX OVER X AND OTHER SIMILAR FUNCTI SISPOGRAPH SYSTEP FCR PEASURING EART SISTEMA DI SU UN PROBLEPA SISTEMA PUSCCLARE CELL UCPC DURANTED SISTEME NONN EGLTLERRID TERPOCINAMIC SITE PARAPAGNETIC RESCNANCE SPECTR SITE AND RESULTSF C•130 AIRCRAFT SITE FCR A UNITEDSTATES AIR FORCE SITE OPCTION CF PSYCHOTROPIC DRUGS SITES E• CENTERSN SYNTHETIC QUART2 SITES FCR AIRCRAFT LANDINGS INAST SITES FROM CBSERVATICNS OF THE SOLAR SITES IN ARCTICANADA, FINAL REPORT, SITES, BROMPRINSHEISTIAN LAND AND SITES, JUNE 9, 1962. SPIN•LATTI SITES, JUNE, 1962. • FOR DETERMINAT SITTER SPACE1 PAY 1961 • ELECTROD SITTING TIME CF THE POLECULES ON SITUATED IN CY203NC OYSPRCSIUP IRCN SITUATED IYSPRCSIUP IRCN GARNET SITUATICA SOCIAL PHENCPENA IN SITUATICN • AND ITS CONSEQUENCES F SITUATICN DISPLAY CCNSCLE CONFIDENTI SITUATIONAL STRESS CNN VARICUS PSYCH SITUATICNS • PEASURE OF EXTIN SITUATIONS OF GROUPLPPCRT AND NCN•SU SIU2, HAVING PLELITETRUCTURES• OF TH SKELETAL PUSCEL • INNERVATION ON TH SKELETAL PUSCLE • INACTIVATION CN TH SKELETAL PUSCLE PRCDUCED BY BCTULINU SKEN PLATES SKEN PLATES DEC 196C THE PET SKILL TASKS • OF EXPECTANCIES SKILLED MCVEPENTS.ANUAL SUPPARY SKILLS IN CANARIES EFFECT CF ABLATIO SKIN FRICTICA AND DRAG TO THEISTRIBU SKIN FRICTICN ON ALAT PLATE SURFACE SKIN RECORDING • SILVER•SILVER CHLO SKIN RESPONSE • OF THE EFFEC SKIN SENSATICNS TWC T SKY BACKGROUNDSECEPBER 29, 1961. SKY CAMERAS, NCVEPBER96C. SKY EPISSIONS, NCVEPBER 15, 1961. SKY LINES AT COLLPN•DECHARALGERIE' SKY RADIATICN 3BETWEEN 297.5 PP AND SKY RADIATICN UNDER VARIOUS CENDITIO SKY RADIATICN,EPTEPBER 1962. • I SKY RADIATIONS FROP THE BALLOCN PLIG SKY SURVEILLANCE SYSTEP FCR SATELLIT SKY•WAVE FIELC FRCP A VERTICAL CIPOL SKYSCRAPER AIRCCRNE RADIATICNEASURIN SKYSCRAPER AIRBCRNE INSTRUPENTATICN SKYWAVE SIGNALS NEAR A COAS'LINE, SE SLAB IN THE CAT • NERVCSF BLCDCFL SLAB OF PERRITE AWAY FRCP THE SIDEAL SLAB PART II DEC 17 1958• OF A LINE SLAB, NOVEMBER 9, 1960. • ELECTRIC L SLAB, OCTCBER 1962. ••WAVES CN AN SLAB,EPTEPBER 1961. • FIELD CF SLATER EXCHANGE POTENTIAL SCRE SLED JUL 1962 ON THE NONLINEAR SLED M 2.0 TC M 9.C SEP 1962 SLED PEASUREPENTS AT THE HELLCMAN TR SLED OCT 1962•DEARBS MCUNTED CN A TT SLED ON THE HIGH•SPEED TRACKECEMBER SLED RUN OF 12 JUL 1956,099 SLEEP • PER THE CIFFERENT SLEEP • DEL SCRAC RECENTCNTRIBUTIO SLEEP • INFLUENCES CN THE CEREBRAL SLEEP AND DURING SLEEP INDUCEY ELECT SLEEP ANDTTERTION FRAL REPORT PAY SLEEP BYENSORY STIPULATIONS • UNDER SLEEP IN CATS BLCOD SLEEP IN CATS BY ELECTRICAL STIPULAT SLEEP INDUCEY ELECTRICAL STIPULATION SLEEP OF THE CAT OCT 1960 • ACTI

WADC TR 59-208 WADC TR 59-319 AFOSR TN 59-651 AFOSR TN 60-456 AFOSR TN 60-587 AFOSR TN 59-373 AFOSR TN 59-635 AFOSR 834 AFCRL-57 ARL 62-437 AFOSR 2692 AFOSR TN 59-931 AFOSR TN 60-278 AFOSR TN 59-479 AFOSR TN 59-56R AFOSR TN 60-104 AFOSR TN 60-1082 AFOSR TN 60-1083 AFOSR TN 60-547 AFOSR TN 60-344 AFOSR 1405 AFOSR 3315 AFOSR TN 60-830 AFOSR 4033 AFOSR TN 60-707 ARL-TR 60-332 AFOSR TN 60-109 AFOSR TR 58-166 AFOSR 2763 AFOSR TN 59-1256 AFOSR TN 60-626 AFOSR 1858 AFOSR TN 59-401 AFOSR 1961 AFCRL-TN-60-635 AFCRC-TN-60-126 AFOSR TN 59-360 AFCRL-62-1083 AFOSR TN 60-432 AFCRC-TN-59-771 AFCRL-TN-60-1117 AFCRL-130 AFCRC-TN-59-625 AFOSR 1208 AFOSR 1665 AFOSR 1242 AFOSR 3722 AFOSR 3098 AFCRL-252 AFCRL-1044 AFOSR TN 59-1000 AFCRL-62-910 AFCRL-1026 AFCRC-TN-60-220 AFCRL-208 AFCRL-469 AFCRL-62-556 AFCRL-62-644 ARL 220 AFOSR TN 60-914 AFOSR TN 60-1041 AFOSR 3461 AFOSR TN 60-1495 AFOSR 203 AFCRC-TN-59-53 AFOSR 4203 AFOSR 3937 AFOSR TN 60-374 ARL 2043 AFOSR TN 60-483 AFOSR 1245 AFOSR TN 60-1422 AFOSR 4224 AFOSR 450 AFOSR 459 AFOSR TN 60-1490 AFOSR 2504 AFOSR 2343 AFOSR TN 60-1417 AFOSR 2110 AFOSR TN 59-887 AFOSR 1291 AFCRL-1078 AFCRL-466 AFCRL-62-624 AFCRL-62-624 AFCRL-624 AFCRL-62-1011 AFCRL-62-1115 AFCRL-450 AFCRL-TR-60-407 AFCRL-62-304 AFCRL-1078 AFCRL-62-868 AFCRL-62-966 AFOSR 2907 AFOSR-138 AFCRC-TN-59-134 AFCRL-TN-60-1158 AFCRL-62-776 AFCRL-777 AFOSR 4075 AFOSR ORA 62-13 AFOSR/ORA-62-18 AFOSR ORA 62-1 AFOSR/ORA-62-19 AFOSR TR 60-190 AFMDC-TR-59-8 AFOSR 4179 AFOSR TN 59-387 AFOSR 2904 AFOSR 4170 AFOSR 1103 AFOSR TN 59-971 AFOSR 3490 AFOSR 3449 AFOSR 4170 AFCSR 350

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CF THE TWILIGHT
OF+TCLLENETYICL TO
ASSOCIATICN BETWEEN
CATCP+PLCA PATTERNS CF
II CN BATER,
DATA CBTAINEC FROM
CF DIFFUSE BANCS CF
CRYSTAL STRUCTURES CF
OF SINTERING OF
SUBLIMATION CF SMALL
ORTICAL DISTRIBUTION OF
BEAM CCPPLERES CF THE
PHOTOMETER FOR TWILIGHT
SCLIDS IN REACTION CF
THE DENSITY AT 43C KPSV
A PAGNETIC RESONANCE IN
OSPHERE 1959 RATIC CF
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SCATTERING ATMOSPHERIC
NALYSIS PAR 196 CATIPUN
CN SINGLE CRYSTALS CF
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SLENCER AND LIFTAGCNFIGURATICNS
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SLENDER BODIES HYPERSCNIC LCW+DENSI
SLENDER BODIES AT ZERONGLE OF ATTACK
SLENDER BODIES IN A SIMPLEIATCMIC
SLENDER BODIES JAN 62+LINEARIZED DIS
SLENDER BODIES WITH SOPE EFFECTSEAT
SLENDER BODY OF AN ARBITRARY CROSS
SLENDER CHANNELS JUNE 1962+ANC INCOM
SLENDER CONES IN THEYPERSCNIC SMOCH
SLENDER PERFORATION IN ALAT PLATE
SLENDER, TWPER+DIMENSICNAL BODIESUL
SLID CRYSTAL AT THELPFACE CF AN
SLIDE RULE
SLIDES,EP 1961,+DYE SOLUTICN FOR THE
SLIDING FRICTION BETWEEN LNLUBRICATE
SLIDING IN CREEPED 1961+ EFFECT OF S
SLIDING VERSUS GRAIN BCUNDARY MIGRAT
SLIDING,0 SOLUTES ANONTERACTICNS
SLIP BETWEEN PLASTICS ANDETALS,
SLIP BOUNDARY CCNDITICNSEPTEMBER
SLIP CASTING CF CERPETS
SLIP CASTING PROCESS FOR THE FORMING
SLIP FLOW IN THE LAPINAR BCUNCARY LA
SLIP II. OCT 1959 + CP PLASTICITY
SLIP III SEP 1960 + OP PLASTICIT
SLIP IN CAPPLIP CRYSTALS
SLIP ON STACKING FAULT ENERGY IN.C.C
SLIP PHENOPENCN AND CPNE KINETICS
SLIP RELAXATION CYCLE ANDONCITICNS
SLIP, CHARGINGINETICS, ADHESICN,+POL
SLIP, PARTICULARLY FOR HIGHLY COOLED
SLIPPER BEAPSS POUNTED CN A TYPICAL
SLIPS IN A WCRK+HARCENING CRYSTALN
SLIT DRIVE FCR INFRARED SPECTROMETER
SLIT IN A GROUND PLANE COVERED BY
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SLITS IN A CYLINDCUNE 10 59 + WAV
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SLITS OFARYIAG WIDTHS DEC 1960 + D.
SLITTED RECTANGULARWAVEGUIDE ANTENNA
SLOPE OF THE PCPERANCHUR+TRAJECTORYA
SLOPE+ILS CHARACTERISTICS CF LARGE,IG
SLOPING BEACH JUN 2599
SLOT AMPLIFIER AT 6 GCULY 1962.
SLOT AMPLIFIER, MAY 24, 1961.
SLOT ANTENNAS. PT. I. ANALYTICAL
SLOT ARRAY ANC BEAT+DIPELECSE PROBE,
SLOT ARRAYSED 4 59 + ANC EFFEC
SLOT FLUSH+PCUNTED ARRAY SEP 59
SLOT ON AIELECTRIC COATED ELLIPTIC
SLOT+EXCITED PLASPA LAYER,OVERPOER
SLOT+EXCITED PLASPA SHEATH+CNFIGURATI
SLOTS AND OTHERTENNAS, AUGUST 1960.
SLOTTED CYLINCER COATED WITH AN+DPOG
SLOTTED CYLINDER, MAY962. + PROP
SLOTTED DIELECTRIC+CADED WAVEGUIDES
SLOTTED SURFACE WAVE STRUCTURE AUG 5
SLOTTED+WAVEGUICE FEED,ULY 1961.
SMALLER THAN THE AVERAGE CCLLISION
SMALLNESS MAY 1961+ IRREVERSIBLE PRO
SMITH CHART ANC OTHER GRAPHICALCNSTR
SMOREPUFF PROGRAMS,956+1960*, JULY
SMOOTHNESS AND DIFFERENTIABILITY OF
SNAPPING
SNAPPING OF SHALLCW SPHERICAL SHELLS
SNAPPING PHENCPENA CP ELASTIC+PLASTIC
SNELLS UNDER EXTERNAL PRESSURE+ OF T
SNOW IN ARCTIPERATICNS, NOVEMBER
SNOW,
SNOW, NOVEMBER 14, 1962. BA
SOAP FILPS
SOBEL NONEQUENTIAL PULTIPLE+DECISION
SOBRE LARCRETICA DE AGUA SCBIO Y
SOC APR 1962 + IABST OF PAPERO BE
SOC 77 712 72C 1961+DERIVEHARACTERIST
SCC, 1961 + CALIP, 21+22
SOCIAL AND EFFECTS CP AIR ATTACK + T
SOCIAL ASPECT HUPAN PENTALITY AND
SOCIAL BEHAVICR AND HYPNOSIS PROBLEM
SOCIAL CHANGE,+ A PRELIPINARY DISCUS
SOCIAL INTERACTICN IN THE CYACPH
SOCIAL PHENCPENA IN THE POST+NUCLEAR
SOCIAL SCIENCES CF KNOWLEDGE DERIVED
SOCIAL SITUATICA + AND ITS CONSEQU
SOCILLATION CF TUNNEL+DIODE OSCILLAT
SOCIOLOGICAL SPACES DEC 1961
SODIUM ADDUCR BIPHENYL AND CRGANOCML
SODIUM AIRGLCW INNE SOUTHERN HEMISPH
SODIUM AND ETHYL PHENYLPROPIOLATE
SODIUM AND NAPHTHALENIDE IONS
SODIUM AND PCTASSIUP IN THE RATAR
SODIUM AND PCTASSIUPSCRETION IN
SODIUM ANDESILP CLCUDS IN THE UPPER
SODIUM BEHIND SHOCKWAVES PART 2
SODIUM CHLORATEND PCTASSIUP CHLORATE
SODIUM CHLORIDE IN THE PRESENCE OFN
SODIUM CHLORIDE SPHERES INTC ARGCN
SODIUM IN THE UPPER ATMOSPHERE V
SODIUM ION IN AQUEOUS SOLUTIONSTUDIED
SODIUM PAY 1959 INTERFERENCE WEDGE
SODIUM ZICNIDE
SODIUM PERCHLORATE,CTASSIUP BROMATE
SODIUM RESONANCE GLCW TECHNIQUES
SODIUM THIOSULFATEBTANYDRATE+NUCLEA
SODIUM TO PCTASSIUP IN THE UPPER ATM
SODIUM VII.BSUREMENT OF THE VERTICA
SODIUM VIII.PROVED METHOD OF REDUCI
SODIUM IX FEB 1961 + CORE WITH APPL
SODIUM+VI THERMALYTIC SOLUTION FOR
SODIUM+VII. MEASUREMENT OFNE VERTICA
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SOFT MAGNETICMATERIALS. JUNE 1960
SOFT RECOVERY FROM TWO+STAGE VEHICLE
SOFT RECOVERY FROM TWO+STAGE VEHICLE
SOFT RECOVERY MAR 1961
APOSR TN 59-466
APOSR TN 60-1277
APOSR TN 59-999
AFCSR 604
APOSR 3699
AFOSR TN 60-1247
APOSR 2163
APOSR 2048
ARL 6
ARL 158
APOSR 2961
WADD TN 59-6
ARL 62-355
AFOSR TN 58-714
AFOSR TN 60-1307
APOSR 3194
ARL-200
AFOSR TR 60-117
AFCSR 202
AFOSR TN 60-108
AFOSR TR 58-123
ARL-C038
ARL 64
ARL 2030
APL 2041
AFOSR 598
AFOSR TN 59-1030
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AFOSR 3361
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ARL-C042
ARL-C035
ARL-C044
AFOSR 2861
AFOSR/DRA-62-19
AFOSR TN 60-1256
APOSR 2670
AFCRL-62-958
AFCRC-TN-59-125
AFCRC-TN-59-362
AFCRC-TN-59-375
AFOSR TN 60-1487
AFCRC-TN-59-593
AFOSR 2977
AFOSR TN 59-738
AFOSR TN 59-604
AFCRL-62-983
APCRL-920
AFCRC-TN-59-993
AFCRC-TR-60-261
AFCRC-TR-59-112
AFCRC-TN-59-975
AFCRL-62-781
AFCRL-62-28
AFCRL-62-575
AFCRL-TN-60-997
AFCRL-62-963
AFCRL-714
AFCRL-150
AFCRC-TN-59-701
AFCRL-506
AFCRC 536
ARL 111
AFCRC-TN-60-468
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APOSR 3428
APOSR 4.55
AFOSR TN 60-831
AFOSR 2460
APOSR 3396
AFCRL-TN-60-472
AFCRL-873
AFCRL-62-1000
AFOSR TN 60-821
AFOSR TN 59-216
AFOSR 842
AFOSR 2310
AFOSR 4273
AFOSR 2491
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AFOSR 716
AFOSR 1209
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AFOSR TN 59-446
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AFCSR 454
AFOSR 203
AFOSR 3370
AFOSR 2839
ARL-TR 60-291
AFCRL-62-651
AFOSR TN 60-457
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AFOSR TN 60-363
AFCSR 842
AFCRC-TR-59-605
AFOSR TN 59-822
AFOSR TN 59-164
AFOSR TN 59-1256
AFOSR TN 60-926
AFCRL-467
APOSR 1142
AFCRC-TN-59-481
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ARL 62-490
AFCRL-218
AFOSR 3500
AFCRC-TN-59-209
AFCRC-TN-59-480
AFCRC-TN-59-482
ARL 266
AFCRC-TN-59-207
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AFOSR 919
APL-TN 60-110
AFOSR-DRA-62-2
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AFOSR-104
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ASEING PARDERING AND SOFTENING OF PETALY BYATIQUE TECHNIC AFOSR TN 59-776
PORDERING AND SOFTENING OF PETALY PATIGUE PT I AFOSR TR 60-170
E HAVE CPEACHING IN THE AOIL + TABLE FOR DETERMINATION OF TH AFOSR TN 60-875
A CALCULATOR PCR DAILY SCIL MOISTURE ACCOUNTING BY RAY APOSR 1837
PLAINING PART 4 AVERAGE SCIL MOISTURE ANDBACTICNABILITY AFCRC-TN-59-2016
LTION OPTIMATION IN THE SOIL 19 JAN 60 + IN THE PEDISTRIB APOSR TN 60-97
PCTION 1962 A SCJOURN DENSITY PROCESS OF DECEMBER APOSR 3864
CP THE NOVEMBER 1960 SOLAR + TERRESTRIALEVENTS, APRIL APCRL-62-441
THE DOPPLER BICTAS CP SOLAR ABSORPTION LINES JUNE 1959 AFCRC-TN-59-298
ICA EVENTS, JULY 1962. SOLAR ACTIVITY AND POLAR CAP ABSORPT APCRL-62-708
TOPANGING CCNDITICNS CP SOLAR ACTIVITY APRIL 1, 1961. AFCRL-487
AS BETWEEN CCPETARY AND SOLAR ACTIVITY MAR 1960 RELATIO AFCRC-TN-60-401
AT LONG BAVELENGTHS TO SOLAR ACTIVITY,JANUARY 1961. AFCRL-TN-60-1181
P THE E REGION, JUNE,+ SOLAR AND LUNAR TIDES IN THE DRIFT O APCRL-62-1031
BETWEEN CCPETARY, SOLAR AND UPPERATOSPHERIC PHYSICS, APCRL-62-425
PHENCPENA CP THE SOLAR ATMOSPHERE. I. SCMEPTICAL APCRL-823
P, ME I, AND ME IN THE SOLAR ATMOSPHERE, SEPTEPBER 1960.+OP AFCRL-TN-60-650
LILP EQLILIBRIUP IN THE SOLAR ATMOSPHERE,EPTEMBER 1960. ME AFCRL-TN-60-652
IL 27, 196C. SOLAR AZIMUTP POINTING PLATFORM, APR AFCRC-TN-60-267
PRESSURE BROADBEAING CP SOLAR BALMER LINES+ON THE PROBLEM OF AFOSR TN 60-636
-5,56+VARIATICNS IN THE SOLAR BASE LEVEL RADIATION ON 200 MC APCRL-650
PLEXIBLE SOLAR BATTERY ARL 8089
CATTER + LCW FREQUENCY SOLAR BURSTS AND NOISE STORPS. BACKS APCRL-TN-60-1181
GAS, APRIL 1962. THE SOLAR CORONA AND THE INTERPLANETARY AFCRL-62-493
INNER SOLAR CORONA DURING JUNE 1959 AFCRC-TN-60-449
I. EXPANSICA CP A PCCEL SOLAR CORONA.+60 + GAS. I AFCRC-TN-60-237
THE EXTENCED SOLAR CORONA, APRIL 4, 1961. APCRL-202
LCSS PROCESSES CP SOLAR CORPUSCLES IN AIR, FEBRUARY+61 APCRL-26
CCCPHYSICAL EFFECTS CP SOLAR CORPUSCULAR RADIATION AFOSR TN 59-163
CY + THE INFLUENCE CP SOLAR DISTURBANCES CN VERY LCW+REQUEN APCRL-724
PIC ABSCRPTICN CURING A SOLAR ECLIPSE . STUDY OF IONOSPHE APCRL-62-312111*
PACE CP THE SOLAR ECLIPSE CCTCBER 2, 1959. APCRL-158
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ABSORPTICA CURING A SOLAR ECLIPSE.ART III IONOSPHERIC APCRL-62-312111*
PART I SOLAR ECLIPSE, JANUARY 1962. APCRL-62-312111*
OBSERVATICNS CP THE SOLAR ECLIPSEP JUNE 30, 1954, N-0119 APCRC-TN-60-220
BYSERVATICNS CP SOLAR ECLIPSES, NOVEMBER 1961. APCRL-62-1017
COSPIC RAYPARTICLES AND SOLAR EFFECTS STUDY + CP RAPID AFOSR TN 59-168
ATICN OF THE ASSOCIATEC SOLAR EMISSICN + ANOME CENPIGUR AFOSR 2800
LATICN BETWEEN TYPEREC+ SOLAR EMISSICN AND ATMCSPHERIC ATTEN AFCRL-TN-60-1113
THE INVESTIGATICN CP SOLAR EMISSICN AND THE ATTENUATIONAND APCRL-62-1001
SCPE CHARACTERISTICS CP SOLAR EMISSICA CPCNIZED MATTER NO AFCSR 466
SYSTEPS FCR SOLAR ENERGY CONVERSION +IIROSYL APCRL-TN-60-659
OL IVART AL ANALYSIS CP SOLAR ENERGY CONVERSION TECHNIQUES Y WADC TR 59-17
ANC THEIRPLICATICA AS SOLAR ENERGY CONVERTS + CRYSTALS ARL X047
GATION+FEASIBILITY OF A SOLAR ENERGY CEVICE PART II ANNVESTI ARL 62-360
U FEASIBILITY OF A SOLAR ENERGY CEVICE 1959 SECRETECRET WADC TN 59-184
DESIGNEC TCTILIZE SOLAR ENERGY IN OUTER SPACE, AUGUST APCRL-201
REACTICAS TC CCNVERT SOLAR ENERGY INTC PCWERSURCES SEPTEM ARL 60
I BYIFFERE+THE STLCY CF SOLAR ENERGY CUIPUT FROP 1953 TO 196 APCRL-62-476
CES+OLUPE V NUCLEAR AND SOLAR ENERGY SOURECES + PCWER SOURE AFOSR TN 59-485
PARTICULAR REFERENCE TC SOLAR ENERGYEHICLES OCTCBER 1960 ARL-TN 60-200
PHCTOVOLTAIC CELLS PCR SOLAR ENERGYCNVERSICN + CCS PIRM ARL X082
SFFICIENT PHCTOVOLTAIC SOLAR ENERGYCNVERTERS, JUNE 23, APCRL-TR-60-379
ERP BY SOLAR EXTREPE ULTRAVIOLET RADIATICN, APCRL-62-484
ISTURBANCES FOLLCWING A SOLAR FLARE ALG960 ICNOSPHERIC D AFCRC-TN-60-598
CF UTILIZING SOLAR FLARE+SLODERCNOSPHERIC DISTURB AFCRL-TN-60-289
BASES PRECLCED BY SPALL SOLAR FLARES COSPIC RAY INCR APOSR TN 58-949
ICNOSPHERIC EFFECTS CP SOLAR FLARES + II ICNIZATICACCELS, AFCRL-TN-60-691
IN A PEWCLRS AFTER SCPE SOLAR FLARES FEB 1 1959 + WITH AFCRC-TN-59-184
ICNOSPHERIC EFFECTS CP SOLAR FLARES I. EVALUATION CFXPERIME AFCRC-TN-59-203
OLARCNOSPHERE FCLLCWING SOLAR FLARES JUNE 1961. + CN THE P APCRL-509
CF TYPE III BURSTS AND SOLAR FLARES,UGLST 1962.+ASSOCIATION APCRL-62-508
NOISE STCRPS AND SOLAR FLARES,YPE + BURSTS AND THEIR APCRL-62-1066
CREASES ASSCCIATED WITH SOLAR FLARESAN IS 1959+COSPIC+RAY IN AFCRC-TN-59-410
AND ANTENNACHSICERATI+ SOLAR FLUX MEASUREMENTS, APRIL 1962, APCRL-62-1111
PHCTOCHEPISTRY IN THE SOLAR FURNACE + PCDN SYSTEPS AND APCRL-254
PHCTOCHEPISTRY IN THE SOLAR FURNACE DEC 28 59 AFCRC-TR-60-223
EATURE WCRK THE SOLAR FURNACE NEW TCOL FOR HIGH TEMP APOSR 3666
PLOW SYSTEPS IN THE SOLAR FURNACE, PINALEPORT, PERIOD APCRL-62-687
SPECTRECNESS CF THE TWC SOLAR HEMISPHERES,N SHORT+PERIOD APCRL-62-1030
ISP IN THE UPPERTPOSPH+ SOLAR LYPAN+BETA FLLORESCENCE MECHAN AFCRC-TN-59-285
S COSPIC RACIATICNURING SOLAR MAXIMUP+CCPPERNT CF THE PRIPAR AFOSR TN 60-1308
Y DIRECTICNA+STLCIES CF SOLAR PICRO+AVE EPISSION USING AIGML APOSR 269
THE CCNNECTION BETWEEN SOLAR NOISE STCRPS ANDOBSERVABLE APCRL-62-277
IGH+ENERGY ELECTICAS CF SOLAR ORIGIN H APOSR 2970
ENERGIES CF SOLAR ORIGIN, APRIL 1962. APCRL-62-440
ACAGPICAL LAIT ANC THE SOLAR PARALLAX SEP 1959 THE AST AFOSR TN 59-1044
ANC CEVELCPPENT CF SOLAR PHCTOGRAPHICILTERS, CCTCBER APCRL-62-654
CN THE INTERACTICA CF SOLAR PLASPA ANC THREEPAGNETIC FIELD AFCRC-TN-59-643
, DECEMBER 1962. SOLAR PROMINENCE ACTIVITY, 1944+1954 APCRL-62-1062
1961. CLASSIFICATICA CF SOLAR PROMINENCES + II+ 1944, APRIL APCRL-262
8944 +CLASSIFICATICA CF SOLAR PROMINENCES + III + SLPMARY FO APCRL-882
. 19 +CLASSIFICATICA CF SOLAR PROMINENCES PCR SUNSPCT CYCLEO APCRL-62-893
CLASSIFICATICA CF SOLAR PROMINENCES X 1945 JAN 61. AFCRL-TN-60-805
CLASSIFICATICA CF SOLAR PROMINENCES+ VIII+1947 AFCRC-TN-59-639
CLASSIFICATICA CF SOLAR PROMINENCES+II+ 1946 PAR 60 AFCRC-TN-60-243
THE FINE STRUCTURE CF SOLAR PROMINENCES, FEBRUARY 1961 APCRL-216
PRIMARY COSPIC+RAY AND SOLAR PROTONS AUG 1961 APOSR 1662
TERRESTRIALTPCSPHERE BY SOLAR PROTONS + AND C14 IN THE AFOSR TN 60-1432
AAL+TO+NOISE RATICS PCR SOLAR RADIANCES, JULY 19, 1961.+SIG AFCRL-739
INSCLATICN AND ABSORBED SOLAR RADIATICN AT THE GROUND INNE APCRL-62-1068
E IMPE+RELATICN BETWEEN SOLAR RADIATICN INCCPE AND CLOUC TYP APCRL-62-422
TERAS JUNE 1960 SOLAR RADIO ASTRONOPY I PORT DAVIS, AFCRC-TN-60-429
RECENT CEVELCPPENTS IN SOLAR RADIO ASTRONOPY, FEBRUARY 1961 APCRL-TN-61-200
AUGUST 1960. SOLAR RADIO BURSTS AND COSPIC RAYS, APCRL-TN-60-407
SPIC+RAYS APR 60 SOLAR RADIO BURSTS AN LOW+ENERGY CO AFCRC-TN-60-276
SOPE STATISTICS CF SOLAR RADIO BURSTS AT SUNSPCT MAXIMU AFCRL-217
S. + THE ASSOCIATICA CF SOLAR RADIO BURSTS +ITH AURCRALTREAM AFCRC-TN-60-224
THE ASSOCIATICA CF SOLAR RADIO BURSTS +ITH FLARES ANDRO APCRL-TN-60-633
ITY +THE CCRRELATION CP SOLAR RADIO BURSTS WITH NAGNETICCTIV AFCRC-TN-60-203
CBSERVATICNS CP SOLAR RADIO BURSTS. I. RECEIVINGSLIP APCRL-608
CBSERVAT CNS CP SOLAR RADIO BURSTS. III.ONTINUUP APCRL-62-1017
LAR SIZE CF SMCOTHLIMED SOLAR RADIO DISTRIBANCES.AN ARP BAGU APCRC-TN-60-202
AL DISTURBANCES DURING+ SOLAR RADIO EMISSIONS AND GEOPHYSIC APCRL-449
, 429, 95C PC-5, APCPC+ SOLAR RADIO INTERFERENCE AT 139, 200 AFCRC-TN-59-439
IN THE FIELC CP SOLAR RADIO NOISE, SUNSPOTS,ABSORBANC APCRC-806
IN THE FIELC CP SOLAR RADIO NOISE,SUNSPOTS, PROMINENC APCRC-TN-59-233
SERVATORY, JANUARY + SOLAR RESEARCH AT SACRAMENTO PEAK OB APCRL-247
VIS TO+EXTENSICN CF THE SOLAR SPECTRAL OBSERVATIONS AT PORTA APCRC-TN-60-223
SCPE SOURCE PAPERS CNPE SOLAR SPECTRUP FROP 3 TO 15 MICRONS, APCRL-1090
CITATICN CP PE I IN THE SOLAR SPECTRUP JUNE 1960 AFCRC-TN-60-447
VARIATICA OF INFRARED SOLAR SPECTRUP WITH ALTITUDE,CTCBER APCRL-TN-60-421
BETA, ANC ++APPA IN THE SOLAR SPECTRUP, PARCH 1962. + MO AFCRL-62-631
0 SOLAR SYSTEP RADIO RADIATICN DEC 195 AFCRC-TN-59-148
ME EARLY HISTORY CF THE SOLAR SYSTEP+THE LIGHT NUCLEIURING T APOSR 1351
ENSIVE AIR SHCWERS WITH SOLAR TIME + IN THE RATE OF CONSENT AFOSR TN 59-897

CIPPUSE REFLECTION CP SOLAR ULTRA•VIOLET RADIATION THE AFCRL-TN-60-634
• DEC 31 59 SOLAR ULTRAVIOLET RESEARCH JAN 1 57 AFCRC-TR-60-214
PORT, PERIOD COVERINGD• SOLAR ULTRAVIOLET RESEARCH, FINAL RE AFCRL-62-400
PAR 1959 THE SOLAR ULTRAVIOLET SPECTROP CP HE II AFCRC-TN-59-232
, 1961. SOLARES CP SOLAR ULTRAVIOLET RADIATION, JUNE 25 AFCRL-662
662 . SOLAR WIND INTERACTIONS, APRIL 16, 1 AFCRL-62-442
SPECTROMETER PCR SOLAR X RAYSBTWEEN 1 AND 10 ANGSTROM AFCRL-62-1105
AT 6 .3 MICRONS IN THE SOLAR•TELLURICSPECTRUM AUG 10 59 AFCRC-TN-59-469
RADIATION SOLARCE PCR SOLARIMPLSTICA, FINAL REPORT DECEMBR AFCRL-1094
PROPELLED PROP 960 HC- SOLARIZATION MEASUREMENTS, JUNE 15, AFCRL-62-868
PCLLCDING A LARGE SCLARLARE AND THE ATTENDANT MAGNETIC AFCRL-TN-60-843
CAPABLE CP CONVERTING SOLARNERGY INTO POWRS WHICH CAN BE ARL-TN-60-135
F SUPERCONCLCCTING MO•ZR SOLENOID•CURRENT CARRYING CAPACITY O APOSR 3019
N CP ENERGY BY ACTATING SCLID THEORY OP RESONANCE ABSORPTIO AFOSR 1334
THERCPERTIES CP A SOLID AND CHARACTERISTICS CP ITSONST AFOSR TN 59-55
PERSORY • COMBUSTION CP SOLID AND LIQUID PROPELLANTS AND PLA AFOSR 3107
DEPTH AND EFFECTIVE SOLID ANGLE PCR RADIATIONENETRATING AFOSR-62-260
SOLID ANGLE SYNTHESIS ALG 17 59 AFCRC-TN-59-595
BANC STRUCTURE CP SOLID ARGCN APCSR 950
ANC ETHYL•CB AZICE IN SCLID ARGON AND CARBONIOXIDE PAR AFOSR 933
OP APPENTACLECULE IN SCLID ARGON ANC NITROGEN DEC 1959 AFOSR YN 59-1327
ANC TRANSFER IN SCLID ARGON ANCRYPTON AT LCW TEMPERA AFOSR 3032
YSIS OPPLCYINE AZICE IN SCLID ARGON AT • STLOY OF THE PHOTOL APOSR 429
P SPALL CPPCRPATICNS CP SOLID BODIES FEB 1959 A THEORY O AFOSR TN 59-609
•CCR WAVE PRCPLCCE IN A SCLID BY ALYING PLATE AUG A0959•THI S AFOSR TN 59-1201
CE AND PCRPATICN CP THE SCLIC B&O, CP&P THE EXISTEN ARL ZC09
RE INFRAREC SPECTRUP CP SCLID CARBON PCNCHICE FEB 1961 T AFCSR 242
CP NUCLEAR RADIATICA CN SCLID CATALYSIS JUNE 1959 EFFECTS WADC TN 59-286
PT I STRLCTURE CP THE SOLIC CCMPOUNC PCRPED BY ACCITION APOSR 40
PROPERTIES CP SCLIC COPPER•NICKEL ALLOYSANUARY ARL 62-127
CP ACTIVITIES IN SCLID COPPER•NICRELLOYS USING GALVA ARL Z024
CN DIFFRACTION STLCY CP SCLID DEUTERCAMPENTA NEUTR AFOSR 729
IRRADIATICN EFFECTS IN SCLIC DIELECTRICS ELECTRICAL AFOSR 3466
IRRADIATICN EFFECTS IN SCLIC DISLECTRICSINAL REPCRT JUL AFOSR 3178
•MATANCHALYSIS TC VAPCR SCLID DIFFUSICN COUPLES • BOLTZMANN AFOSR 3369
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ANC APPLICATIONS CP SCLIC ELECTROLYTES INALVANIC CELLS ARL Z029
ED SILANEYSTEPS•OLIGIC• SCLID EQUILIBRIA IN BINARY PENARYLAT WADC-TR-59-639
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AC CRICATICA CYCPE TPIN SCLID FILMS ALG L0956•OF THE ANNEAL A AFOSR TN 59-755
PROPERTIES CP SCLID GOLD•NICKEL ALLOYS FINALEPORT AFOSR 3007
YPE CP A LAYEREC,IOLIC• SCLID HALF SPACE, APRIL 1962. • T AFCRL-62-490
THEORY CF SCLID HE3 AFOSR TN 59-230
THE GROUND STATE CP SCLID HE3 MAY 1961 AFCSR 783
F THE WATER MOLECULE IN SCLID HYDRATECCPPCLADS DEC 1960 • C AFOSR TN 60-860
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T 1958 A CLASS CP EXACT SOLUTIONS IN PAGNETOHYDRODYNAPICS OC APOSR TN 58-899
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A QUEOUS ANCON•ACLECAS SOLUTIONS JUL 1959 • PETALS PROM APOSR TR 59-75
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ION•ON ALPOST PERIODIC SOLUTIONS OF A CLASS OPELLIPTIC EQUAT APOSR 2138
ON NOV 1960 SOLUTIONS OF A PERTURBED DIRAC EQUATI APOSR TN 60-172
TIAL EQLA•PROPERTIES CP SOLUTIONS OF A RICCATI PATRIIPPERON APOSR TN 59-826
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N AN ENTERICR REGICN•CN SOLUTIONS OF DELTA V V EQUALS ZERC I APOSR TN 58-984
ESTIPATES PCR THE SOLUTIONS OF DIPPERENCEPPROXIPATIONS APOSR 3841
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N PROBLEP.P•THECRETIC SOLUTIONS OF GRAIN BOUNDARY DIFFUSIO APOSR 3014
INITE •EXACT BCLNCS PCR SOLUTIONS OF HYPERBOLIC EQLATIONS BY APOSR TN 59-372
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RIES WITH LIPT•ANALYTIC SOLUTIONS OF PLANAR REENTRY TRAJECTO APOSR TN 60-508
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E PROBLEPPCA•CN PARIPAL SOLUTIONS OF THE CALCHY INITIAL VALU AFOSR 888
S ANCESCNDANCE • EXTRA SOLUTIONS OF THE DISPERSION RELATION APOSR TN 60-564
ELASSICCLILI•A CLASS CF SOLUTIONS OF THE EQLATIONS CF THERMC APOSR TN 60-1046
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ICNS FOR BEHAVICR CP SOLUTIONS OF THE NAVIER•STCKES EQUAT APOSR TN 60-172
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ELECTRCN•PERCY•SINGLLAR SOLUTIONS OF THE SPINOR EQLATION AND APCRL-57
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ASSOCIATICN IN ACLECLS SOLUTIONS OF THIONINE, APRIL0, 1962. APCRL-62-832
C PROPERTIES CP THE SOLUTIONS OF L / GIT'U2N•1•C JUL 196 AFOSR TN 60-810
IN AN ENTERICR REGICNA SOLUTIONS OF V V IN AN EXTERICR AFOSR TN 58-984
APAGNETIC RELAXATION IN SOLUTIONS OF VO APR 1960 PAR AFOSR TN 60-429
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JN STUDY CP THE RACPICE SOLUTIONS OF ZINC ACDACPSLP A PAR AFOSR 1024
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ASYPPTCTIC STABILITY CP SOLUTIONS OFIFFERENTIAL EQUATIONS AFOSR 2837
AND LCWER BCLNCS PCR SOLUTIONS OFIFFERENTIAL EQLATIONS AFOSR 3134
BEPAVICR CP THE SOLUTIONS OFIFFERENTIAL•DIFFERENCE AFOSR 1370
AND ALPCST PERICDIC SOLUTIONS OFIAGLLARLY PERTURBED AFOSR 37
CRICE IN ACID 3 PACIC 4 SOLUTIES CN THE HYDROLYSIS AFCSR 196
CF CCNSTANT PROPERTY SOLUTIONS TC PASSPANSFER COOLING AFOSR TN 59-201
PULTIPOLE2T•APPRCXIPATE SOLUTIONS TO SCATTERING PROBLEPS BY AFCRC-TN-59-557
LAR PROBLEP THECRETICAL SOLUTIONS TO SCPE NEARLY FREE PCLECU AFOSR 3417
TRAPE BCCYPCBLE•SIPILAR SOLUTIONS TO THE GENERALIZEC PLANAR AFOSR 3682
LA'CUENESS CF RACTATIVE SOLUTIONS TO THE S•PROEINGER WAVEQUA AFOSR TN 59-1112
C PLCWDTAINEC•ALPERICAL SOLUTIONS TO THE SPACE•CHARGE LIMITE AFCRL-TN-60-999
THE PCLECCLLAR PCCEL CA SOLUTIONS TOINEARIZED CCUETTE PLCW AFOSR 417
LAPINAR BCLNCARY LAYER SOLUTIONS USING THE CRCCCCARIABLES AFOSR TN 59-1106
IGIC POLECCLLESN VISCCLS SOLUTIONS 1,2 • RELAXATICN CP SCME A AFOSR TN 59-729
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CYNAPIC PRCE CCNVECTICN SOLUTIONS, SEVERAL PAGNETC•HYDRC ARL-M012
LRRATIONS CF SIPILARITY SOLUTIONS, DECEPBER 1961 CN PERT ARL-TR-60-304
• PERCHLORATE ISLIPATE' SOLUTIONS, FEBRUARY 19960. • IIII APCRL-TN-60-462
CYNAPIC PRFE•CCNVECTICN SOLUTIONS,UGLST 1962 • PAGNETOHYCRC ARL-62-447
APPROXIPATE FLAT PLATE SOLUTIONSCN ASYPPTOTICALLY SMALL AFOSR TN 60-690
ANOPCLIES CP BINARY SOLUTIONSSING NUCLEAR PAGNETIC RESON AFOSR TR 60-143
INCA•EGLILLIBRILP SCLIC SOLUTIONS OF SCLE ANC NICKELAR 1959 AFOSR TN 59-56
A SOLVABLE PCCEL CP FIELD THEORY AFCSR 339
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ITIES, PART• II, 1962. SOLVENT EFFECT ART RAMAN BAND INTENS AFCRL-62-1104
FREE RADICALS ANCTCPIC• SOLVENT EFFECTS IN THE REACTIONS CF AFOSR TN 60-800
THE CCNRELATICA CP SOLVENT EFFECTS ON THE STEREOSELECTI AFOSR 1371
EOC•17C CPAI BECECN AND SOLVENT EFFECTS TBEBEIN•ATCMS IN TH ARL-C071
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BRIDS, •THE TRAVELLING SOLVENT METHCC CF CRYSTAL GROWTH CDC AFCRL-62-971
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BRA, • THE TRAVELLING SOLVENT METHCC CF CRYSTAL GROWTH, JU AFCRL-62-503
PTEPBER•THE TRAVELLING SOLVENT METHCC CF CRYSTAL GROWTH, SE AFCRL-62-752
PERCURATE•THE EFFECT CF SOLVENT ON RATES CF ACIC INCUCECCRY AFCSR 864
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HE SOLVENTPPE•EFFECT CP ... AFOSR TN 60-1021
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TEP ... SCMATIC FUNCTIONS OF THE NERVOUS SYS AFOSR 2180
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BALLENT BIACCATNE CA•A ... SCNIC ANEMCPETER PCR THE STUCY CP TU AFCRL-62-1066
EISPIC WAVES CCLPLEC TC ... SCNIC BOCMS, AUGUST 1962. S AFCRL-62-1043
A PLANE BCLNDARY.•. THE ... SCNIC GENERATCR AND ASSCCIATEC ACCUS AFOSR TN 60-519
CISE OF AN EVERPRESSLBE ... SCNIC JETCV 1959 • CSCILLATICN ANC N AFOSR TN 59-1307
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EAR A PLANE BCLNDARY.• ... SCNICALLY•GENERATEC PICRCSTREAPING N AFOSR 2126
LIEC TC A SURFACEACTI• ... SCNICALLY•INCLCED PICRCSTREAPING APP AFOSR TN 59-253
R A PLANE BCLNDARY.•. • ... SCNICALLY•INCLCEC PICACSTREAPING NEA AFOSR TN 60-539
1961. PACPAGATICN CP ... SCNRD IN A RAREFIEC GAS, JANUARY 19, AFCRL-677
C CA ILLUPINAZICNACNTI• ... SCNRO ELETTACENCEFALOGRAFICC PRODOTT AFOSR TN 60-1203
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CN BALLISTIC•PISSILE ... SCRTING BASEC CN RACARROSS•SECTICN AFCRC-TN-60-375
CN BALLPSTIC•PISSILE ... SCRTING BASEC CN RACARROSS•SECTICN AFCRC-TR-60-156
LRE • IL• RACAR TARGET ... SCRTING BASEC UPCN PCLARIZATICNIGNAT AFCRC-TN-60-588
A SCRTING PROBLEP AFOSR 636
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LESICNPCNICNE CELLA ... SCSTANZA RETICCLARE E DELLE VIE AFOSR TN 59-306
R A TCPSICE ICNCSPHERIC ... SCU GER,CLUPE II, CCTCBER 15, 1960. AFCRL-TN-60-1129II
T EXCITEC STATE CP N2 A ... SCUBLE PINIPLP PROBLEP PIRS AFOSR TN 60-959
EASIS CP CARCICVOICLLAR ... SCUNC AN ANALYTICAL SURVEYINAL REPOR AFOSR TN 58-160
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1959 THE SCATTERING CF ... SCUNC BY A SINGLE VERTEX AND DYNAPBUL AFOSR TN 59-337
IFLLCNCE•PANE ... SCUND DISPERSICN IN ETHANE AND 1.1•D AFOSR TN 60-733
PINTURES ANC IN PALE•T• ... SCUND DISPERSICN IN ETHANE•ETP•YLENE AFOSR TN 60-926
CEPENEANCE CP ... SCUNC DISPERSICN IN HALO•ETHANEASES AFOSR TN 60-1206
LECTRIC FIELC EFFECT CN ... SCUNC DISPERSICN, CATED JAN 1962 E AFOSR 1975
EAV ANCF THE ASSCCIATED ... SCUND FIELD • SEP 1961• SUBSCNIC STA AFOSR 2147
DEC 1961 ... SCUNC FIELD CISTRIBLTICN ABCUT A JET AFOSR 1935
CF CCNSTANT PRESSLRE ... SCUNC FIELDS CN FREECNVECTICN HEAT ARL-N020
SINGLE VCRTEX WITP•A•IPE ... SCUND GENERATED BY INTERACTICN OF A AFOSR TN 59-1146
CA THE SPEEC CF ... SCUND IN AIR NCV 1958 AFOSR TN 58-1027
CENTERS ANC THE CL FCR ... SCUND INTENSITIES HIGHER AUDITORY AFOSR 1719
NTAL • THE INFLLEACE CF ... SCUNC CN FREE CCNVECTICN FROP ACRIZO WADC TN 59-18
GAS AT ZERC TEPPERATLR• ... SCUND PROPAGATICN IN A CILLTE PERPI AFOSR TN 60-395
INTILEAL VALLE PRCELEP, ... SCUND PROPAGATICN,NC PCDELING IN AFOSR 1380
AA, LCAG•RANCE ... SCUND TRNSPISSICN IN THE ARCTIC OCE AFCRL-897
STUCY CP INFLLEACE CF ... SCUNC WAVES CN CHEPICAL REACTIONRATES AFOSR TR 60-60
ANALYSIS CP SCATTERED ... SCUND, PART II,CVEPPER 4, 1960. AFCRL-TR-60-431
CBSERVATICNS AT PCPLRED ... SCUND,NTARTICA JULY 59•CP UPPER AIR AFCRC-TN-59-451
ING AERIAL BACK•SCATTER ... SCUNDER, AUGLST 10, 1962. A RCTAT AFCRL-62-903
PAY 1961 HCRIZCNTAL ... SCUNDING BALLCCN FEASIBILITY STUDY, AFCSR-658
LES FROP JAPANESE RELAY ... SCUNDING DATAFC 59•CESIGN WIND PROFI AFCRC-TR-59-292
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E OTHER RARE EATHS WITH SPIN CPCLUTICNS • OF LANTHANUM AN AFOSR TN 59-804
INERG • PCLARIZATICN CF SPIN CNE PARTICLES SCATTERED FNCM SP AFOSR 1346
PALISM FCR PARTICLES CF SPIN CNE-HALF THE KEMPER BETA-FOR AFOSR TN 60-565
LECULE HAVELNCT+NATLAAL SPIN ORBITAL ANALYSIS CF HYDROGEN MO AFOSR 941
NETIC MCLECULES I+OVER+ SPIN PCLARIZATICN EFFECTS IN PARAMAG ARL 50
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S IN SCLLTICN BYLECTRCN SPIN RESCNANCE • OF TRIPLET MCLECULE AFOSR TN 60-737
TRCPHENY METHY+ELECTRCN SPIN RESCNANCE ABSCRPTICN CFRIS+PANI AFCSR 616
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SINGLEXYSTAL +ELECTRCN SPIN RESCNANCE IN A GAMMA-IRRADIATED AFCSR 024
ALTER GCRELYELECTRCN SPIN RESCNANCE IN A GAMMA-IRRADIATED AFOSR 1650
CALCITERISPRI+ELECTRCN SPIN RESCNANCE IN NEUTRCN-IRRADIATED AFOSR TN 60-661
ILE,UNE 1961. ELECTRCN SPIN RESCNANCE IN SEPTICNELCTING RUT AFCRL-594
SEMI+CONELCTCR+ELECTRCN SPIN RESCNANCE INARCMACEOLS RDCRS AFOSR TN 59-1214
ACTEINS 1961 ELECTRCN SPIN RESCNANCE INVESTIGATICNS OF THE AFOSR 1359
NEGATIVE • ELECTRCN+ SPIN RESCNANCE INVESTIGATICNS OF THE AFOSR 2470
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CHCPICLCSTANCE+ELECTRCN SPIN RESCNANCE OBSERVATIONS OF PHCTO AFOSR TN 57-765
E CRYSTAL CF+A+ELECTRCN SPIN RESCNANCE CF A-IRRADIATED SINGL AFOSR 3934
ANIONS PAR EL ELECTRCN SPIN RESCNANCE CF ALKYLATED BENZENE AFCSR 420
LE CRYSTAL • ELECTRCN SPIN RESCNANCE CF AN IRRADIATED SING AFOSR TN 59-1208
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ALG 1960. ELECTRCN SPIN RESCNANCE CF AN IRRADIATED SINGLE AFOSR TN 60-1251
SILM CRIECRAPI+ELECTRCN SPIN RESCNANCE CF F CENTERS IN MAGNE AFOSR 3587
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M FLUORICE • ELECTRCN SPIN RESCNANCE CF CC +++ IN LANTHANU AFCRC-TN-59-580
CRYSTALF TRIPLE+ELECTRCN SPIN RESCNANCE CF IRRADIATED SINGLE AFOSR 2082
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ATECCMPCLNES • ELECTRCN SPIN RESCNANCE CF ULTRAVICLET IRRADI AFOSR TN 59-407
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INE INTERACTIN ELECTRCN SPIN RESCNANCE SPECTRA • 13 HYPERF AFCSR 358
CNCNEGATIVENC +ELECTRCN SPIN RESCNANCE SPECTRA CF AROMATIC R AFOSR TN 58-222
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TATETRADENY+THY+ELECTRCN SPIN RESCNANCE SPECTRUM OF THEUCLCOC AFOSR TN 60-589
CN CF 4+CIP+YER+ELECTRCN SPIN RESCNANCE STUCIES CF ALTCRICATI AFOSR 1143
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M S+1-2 SPIN WAVES IN AN ANTIFERRCPAGNET WIT AFOSR 3058
DIGITAL CCMPLTER A SPIN+ECHC PERCRY FCR A CARRIER TYPE AFOSR 2767
2, +LOCALIZED MCDES AND SPIN+LATTICE INTERACTICNS,EPTEMBER 2 AFCRL-712
TES B+ CENTERS+ELECTRCN SPIN+LATTICE RELAXATION AT CEFECT SI AFCRL-62-910
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TASSIUM+PCPICY+ELECTRCN SPIN+LATTICE RELAXATION IN CILUTE PO AFCRC-TN-60-179
P ETHYL SLLPHATE, JLLY+ SPIN+LATTICE RELAXATION IN CYSPROSIU AFCRL-62-41
S COPED SILICC+ELECTRCN SPIN+LATTICE RELAXATION IN PHOSPHORU AFOSR TN 59-715
IN PGO,UCLST • ELECTRCN SPIN+LATTICE RELAXATION OF CHROMIUM AFCRL-TN-60-1175
ARY SOLLTICNS PAR 1959 SPIN+LATTICE RELAXATION TIMES IN BIN AFOSR TN 59-206
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DEPENDENCE CF NPR SPIN+LATTICE RELAXATIONIMES IN SOLUT AFOSR TN 60-899
TY ON NEUTRAL SPIN+O PARTICLES WITH IMAGINARY PART AFOSR TN 60-179
E+ E+ SCATTERING SPIN+ORBIT CORRELATICNS IN NU 3 AND AFOSR TN 60-794
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CN CUE TC A LOGARITHPIC SPIRAL DISLCCATCNAN 1962+ DISTRIBUTE AFOSR 904
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VALLEY+ORBIT SPLITTING OF ANTIMONY IN GERMANIUP AFOSR TN 60-709
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THE HYPERFINE STRLCTURE SPLITTING OF LCNIUM BY USE OF A STATI AFOSR 3266
NTS CF LARGE ZERC+FIELD SPLITTINGS V3N AL2C3 +FIELC PEASUREME AFOSR 3094
CARBCN+13 HYPERFINE SPLITTLINGS IN SEMIQUINCNES AFOSR TN 60-929
AN EXAPINATICN CF THE SPOREN YCCABLLARY USED IN AIRRAFFIC AFCRC-TN-59-73
ATTIVITA ELETTRICA SPONTANEA DEI LCBI CTTICI DEL PICCIO AFOSR TN 59-619
THE CENTRALERVCLS +THE SPONTANEOUS ACTIVITY OF THE CELLS CF AFOSR TN 59-839
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HALCGRAPHIC ACTIVITYLA+ SPONTANEOUS AND INCLCED ELECTRCENCEP AFCSR 350
SPONTANEOUS BREAK CCWN OF ELEMENTARY AFOSR 2943
SPECTRAL LINE WIDTHS • SPONTANEOUS EPISSICN OF PHCNCNS AND AFCRL-62-627
• JULY 18,960.+STUCY CF SPONTANEOUS ICNCSPHERIC DISTURBANCES AFCRL-TR-60-290 I
• FINALEPCRT STUCY CF SPONTANEOUS ICNCSPHERIC DISTURBANCES AFCRL-TR-60-29011
AND ATUCY CF THEIR SPONTANEOUS REEPISSION FROM THESEURF AFOSR TR 59-80
EZ, P. R. BACKSCATTERC+ SPORADIC + E AS OBSERVED FROM HAVAGU AFOSR 35
TICN,NTERIP • STUCY CF SPORADIC E AND CTHER FORMS CF IONIZA AFOSR 3278
E ALRORAL ZCNEPH+CN THE SPORADIC E IONIZATION IN AND NEAR TH AFCRL-734
ELCCITY CISTRIBLTICA CF SPORACIC METECRS, APRIL962.+CN THE V AFCRL-62-192
E BACKSCATTERCHINGLE,+ SPORACIC+E IONIZATION OBSERVED BY TH AFCRL-62-395
ELECTRCA TRANSPCRT IN SPORE GERMINATION AFOSR 4231
ES SMALL CIRCLLAR GREEN SPOT IN EXTRAFOVEAL VISION+ LUMINANC AFOSR 1190
INANCES! ELLE REC GREEN SPCTS IN EXTRAFCVEAL VISION • LUM AFOSR 2019
NORTH+SCLTH ASYPPETRYA SPOTTEDNESS AND IN GREAT+STCRP SCURC AFCRL-62-1030
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ICA TIPE FCR ACCEL FLEL SPRAY CEC 1960 • CHEPICAL CONVERS AFCSR 156
ATICN CF SPIRAL ATCPIZER SPRAY CHARACTERISTICS BY A EVALU AFOSR 2529
PREAKUP INCLUCINCES + A SPRAY COMBUSTICA MCCEL WITH DROPLET AFCSR 433
HYPERVELCCITY IMPACT SPRAY PARTICLES MAY 1960 AFOSR TN 60-990
INVESTIGATICA CF SPRAY PARTICLES PRECUCING THERPACT AFOSR TN 59-1202
CISTRIBLTICA CF IMPACT SPRAY PARTICLESAY 1960 • ANC SIZE AFOSR TN 60-989
MEASLREPENTS PLAPE+ SPRAYED ALUPINUP CHICEARTICLES IPPAS WAEC TR 59-658
SPRAYS AFOSR 3302
1959 COMBLSTICN CF FLEL SPRAYS JAN AFOSR TN 59-629
FLAME SPRAYS AND LEEP PRCPINENCES,CTCBER AFCRL-4721IV*
999 COMBLSTICN CF SPRAYS IN AN CXIDIZING ATPCSPHERE I AFOSR TN 59-818
IN BLRNING SPRAYS+I WICE RANGE PHOTCGRAPHIC AFOSR TN 60-353
CAT FEB • COMBLSTICN CF SPRAYS, CROPLETS AND FLAMES.INAL REP AFCSR TR 59-68
IPLT++ASPECT+SENSITIVE SPREAD AND PLLTIPATE DELAY CN CPPF+AZ AFCRL-62-737
SEASCNAL VARIATICA CF SPREAC F IN THE ARCTIC,EPTEMBER 10, AFCRL-62-550
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A STLCY CF SPREAC F, OCTCBER 1960. AFCRL-243
A+THE EFFECT CF THERMAL SPREAC CN THE TWC+STREAM RF GAINACM AFCRL-370
PLAYER, A STLCY CF SPREAD+F ECHCES FRCM THE IONCSPHERE. AFCRL-62-208
NCNE+CLASSIFICATICA CF SPREAD+F IONCGRAPS,T HIGH LATITUDES, AFCRL-TN-60-1162
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IN A VIBRATING PELICAL SPRING, AUG 61 CAPPING CUE TC CREEP AFOSR 1421
AY 1959 SPURICUS ECHCES CF RADAR, A SURVEY P AFCRC-TR-59-210
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CBSERVATICNS CF+50 2) SPUTNIK III' AUG 1960 • SIPLLTANECUS AFCRC-TR-60-174
RVATIONS ANC RESULTS CF SPUTNIK 3, APRIL 1961. RADIC OBSE AFCRL-TR-60-374
PPING SPEEC CF AITANILP SPUTTER PUMP, APRIL 18, 1961.+THE PU AFCRL-324
ICAS SPUTTERED FR/P CCPPER SEP 1961 AFOSR 1316
ANCLLAR CISTRIBLTICA CF SPUTTERED PCTASSILP ATCMS JAN961 AFOSR 560
0, 1962. THE SPUTTERING CF CCMPCLNDS, SEPTEMBER 2 AFCRL-62-935
C. STLCY CF SPUTTERING CF MATERIALS, OCTOBER 196 AFCRL-TR-60-418
YER BY + CEC. 1959. THE SPUTTERING OF MCLECULES OF A THIN LA AFOSR TN 60-317
PAY 1961. A STLCY CF SQUALL LINE FCRMATICN IN TWC CASES, AFCRL-211
A NCTE CN LEAST+ SQUARE CIRCLES PAR 59 AFCRC-TN-59-153
CLIPLTS PRCP TWC SQUARE LOWETECTORS ILLUPINATEC BY AFOSR 1152
TRESSES CN A PERPERATEC SQUARE PLATE THERPAL S AFOSR TN 60-840
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INVESTIGATICA CF SQUARE+PESH BIRE+GRIC MCDIFIED+LUNEB AFCRL-933
ANCLLA+INVESTIGATICA CF SQUARE+PESH, PERABGCNAL+PESH, AND TRI AFCRL-1107
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CF THE LEAST SQUARES REDLCTICN FCR THECRTH ATLANT AFCRC-TN-60-217
CRYSTALLCGRAPHIC LEAST+ SQUARES REPLACEMENT PROGRAP FOR THFBM AFOSR TA 60-47
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CLPS AMERTYCGCNAL LATIN SQUARES. I CRTHCMCRPHISPS CF GR AFOSR 2796
RHTHP CF TWELVING SQUIRREL GLALCCPYS VOLANS CYC 1960 AFGSR TN 60-1045
CRYLATEIC+METAL CHELATE STABILITY CONSTANTS OF APINCPCLYCARB AFOSR TN 59-748
CCMPRESSICN WAVES IN A STABILISED DISCHARGE TRANSVERSE AFOSR TN 60-279
THE PB SE AND PBE SYST+ STABILITIES CF GA ECUS PCLECULES IN AFOSR TN 60-946
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GENERAL ANALYSIS AND STABILITY STUCY CF FINITE PULSEDEED AFOSR 3917
+ERROLLICATICA IN THE STABILITY ANALYSIS CF ACTIVE LINEARY AFOSR TN 59-1096
CCNTROL SYSTEMS STABILITY ANALYSIS CF TWO+PARAMETER AFCSR 997
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STABILITY ANC BCUNDEDNESS CF SYSTEMS AFOSR TN 60-767
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+CCNVECTICA LAYER ALCA+ STABILITY CHARACTERISTICS CFINLESS WADC TR 59-781
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IC NOTES CN THE STABILITY CRITERICN FOR LINEARISCRET AFOSR 3920
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PS PAY 1961 SPCRT+TIPE STABILITY IN LINEARINE+VARYING SYSTE AFOSR 748
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RCP 1962. CN STABILITY IN THE HOMEOSTAT JENNY, RA AFCRL-62-133
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RANSPER AND ABSCRPTANCE STABILITY JULY 1960 • HEAT T WADD TR 59-708
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EM CCMPLETE STABILITY OF A ACHLINEAR CCNTRL SYST AFOSR 2220
GUILTMEILP PLCNS ACV • STABILITY OF A VORTEX SHEET IN NON+E AFOSR 40

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ACYS CUATIONS. A GENERALISED C FOR APERTURE ANCILLC• EXPERIPENTAL TEST CN A COUBLE BACKWARC FACING POLYANICS 9 THE FIRST CREEP EXPERIMENTS WITH JU• FACTCR ANALYSIS AND PUP ACTATICN•RESCLLTICN ALKYLCYCLOPENENES . IV. 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REVIEN OP RECENT EFFECTS OP PAINFUL BY PNCTIC LORTICAL ANC APYCCALCIC OVEPETITIVE VISUAL STLFACTORY, ANC PAINFUL PATRICESVCCLUES PAR LA BY REPETITIVE PNCTIC EPISSICN PECPANICAL DUP SULFICE PECPANICAL STEAPWISE PRESSURE GRADIENTS JULY STEAPWISE PRESSURE GRADIENTS OVER STEARIC ACID•TEPPERATURE DIPPUSS SCA STEARIC ACIE, AND RIACIN TC THE STEEL HABIT PLANES OF MART STEEL • COLD WCRKED AND QUENCH STEEL • CP COLC WCRKED ANDQUENCH STEEL ELECTRCCESSED 1962 • NICK STEEL JUN 1960 STEEL SEPTEMBER 62 INTERSTITIAL IND STEEL SEP1960 • COLC WCRKED AND QUEN STEEL,ULY 1959 • OETERBI STEELS • MECHANISP OP HYDRCGENBRITT STEELS BY THEYDRCGEN EJCTCPES DECEMB STEELS, TITANIUP ALLOYS, ANDEVERAL STEEP ANGLE ANGRALIES, PINAL REPORT STEEP GRADIENTPROFILES, DECEMBER 1, STEERABLE ANTENNA TECHNIQUES FOR AIR STEERABLE•BEAP CCPNER ARRAY DEC 59 STEERING SCHEDULESN OPTIMAL CORRECTI STELLAR ATMCSPHERE JAN 1960 STELLAR ATMCSPHERES• • CAS PRESSURE STELLAR IMAGE PCTICA AND SCINTILLATI STELLAR IMAGE STUDY PINAL REPORT JUL STELLAR INTERIORS SEP 195•THE CALCUL STELLAR SCINTILLATICN SHACCW PATTERN STELLAR SHADCW BAND PATTERNS WITH STELLAR SIPULATCRSDEC 1962 STELLAR WIND LEGIONS STEP • REPLEPS AN INDEX CP CO2 S STEP • EEG AND THEIR ORIGIN IN THEA STEP • SYNCHRONIZING THE EEG IN THE STEP • TEMPORARYNACTIVATION OF THE C STEM AND THERMOREGULATORY MECHANISMS STEM MECHANISPS REGULATING AUTOMATIC STEM OPONSCICLS, UNRESTRAINED CATS STEP RETICULAR ANNUAL SUMMARY ISUNE STEP RETICULAR PCRPA • ELECTRICAL S STEP RETICULAR PORPATION JUL 1959T STEP RETICULAR PORPATION TCNIPAL STEP RETICULAR PORPATION• ELECTRICAL STEM RETICULARCRPATION TO ANIPAL STEP•SYNCHRCNIZATICACHANISP CRIGINA STEPY SELECTIVE INJECTION CP BARBITU STEP DECORING IN GRCUPS WITP A WEIGH STEP IN THE ACICIFICATION CP NO2A EQ STEP INEQUYPERCLORATION THE NATURE STEP•BY•STEP DECORING IN GRCUPS WITH STEP•DOWN PROCEDURE IN STEP•FUNCTICNPPRCACP. SEP 1959 • E STEPPED CYLINDRICAL PIRRORS CCRRECTE STEPPED ZCNE PIRRCR FOR MICROWAVESPR STEPS JUN 1961•GP FLCW CVERINGLE AND STEPS OFCIDIFICATICN OP CHACHATE STEPWISE CHANGES CP THE TENSILEDAC STEPWISE REGRESSION APPLIED TO THE4• STEREOCHEMICAL CORRELATICN, AND PARI STEREOCHEMISTRY AND PECHANISP STEREOCHEMISTRY OP RADICAL ADDITIONS STEREOCHEMISTRY OF THE ADDITICN OP H STEREOCHEMISTRY OF THE BASE•CATALYZE STEREOCHEMISTRY CP THE NUCLEOPHILIC STEREOCHEMISTRY CP THE PERBENZOIC AC STEREOCHEMISTRY OP TRICHLCRCSILANE A STEREOENPHOGRAPH A CEVICE TC PAP CLO STEREOSELECTIVITYIIELS ALDER REACTION STEREOSPECIFIC CLEFIN•PERCAPTAN RADI STEREOSPECIFIC TRANS RADICAL ADDITIO STEREOTAXIC CCORDINATES RUNNING STEREOTAXIC CORRDINATES STEREOTAXIC PETHOD FOR SECTIONING TH STEREOTAXIC PETHOD FOR SECTIONING TH STEREOTAXIC SLAGGERY FOR PAMMIANISPIS STERIC EFFECTS IN THE ADDITICN OF GR STERIC HINDRANCE IS A FACTCR IN THE STEROCHEMISTRY OP CCORDINATION NUPBE STEROIDS ANI OCSINCPHIL CELLS IN CAT STEROIDS BY CEREBRAL CORTICAL STEROTAXIC LOCALIZATION STEROTAXIC TECHNIQUE IN MAN ALLCWING STICK•SLIP BETWEEN PLASTICS AND METALS STICK•SLIP PHENOPENCN AND CPHE NIMET STICK•SLIP RELAXATICN CYCLE ANDONCIT STICK•SLIP, CHARGINGKINETICS, ADHESIO STICKLEBACKS TC PODELS FINAL REPORT STIPP PEPBRANES • IN SPALL CEREBRAL STIPP PENDULP PAR 1962 SMALL STIFFENED PANELS JUN 1962 STIPPENERS • CCNSIDERATICNS IN P STIPPENERS OCT 1960 PRA STIPPNER OCT 1957 CRACKEXTENSIO STIPULACICNE PCTICA NELLA CCRTECCICC STIPULAZIONE DEL TESPERATC BULBO•PONT STIPULAZIONE•TECNICA DEI LOVE LTSICI STIPULAZIONI RIPETITIVE NELLA CORTECCI STIPULAZIONITECNICA RIPETITIVA NELLA STIPULATION LUPINOSE, ACUSTICHE, STIPULATION•CLORCTOSICA DELLA OSTANZA STIPULANT AND TRANQUILLISING DRUGS STIPULATE OESTROGEN SECRETION IN FEP STIMULATED EPISSICN OP RADIATION BY STIMULATED EPISSICN OP RACIATION BY STIMULATED EPISSICN OP RADIATION BY STIMULATION ACTIVATION OP THE STIMULATION • CPP•RESPCNSES CP STIMULATION • RESPCNS CHE RFD NU STIMULATION • CP THE FIELD CAL CF STIMULATION • DURING VISUAL, ACOUST STIMULATION AND ABLATION STUDIES STIMULATION DURINGVPNOTIC ANALGESIC STIMULATION IN PAN AND IN CAT FINAL STIMULATION IN THE CAT • BY CEREBRA STIMULATION IN THE PEDIOPONTINERETRI STIMULATION IN THE RABBIT • ACOU STIMULATION LIPINEUSE CHEZ LE CHATOU STIMULATION CCNSERVEC IN THE VISUAL STIMULATION CP CADMIUM SULFIDE EDGE STIMULATION CP EDGE EMISSION IN CADM LAYERALTERNATION PERPCO• PPOCAMPUS • EFFECTS CP E ECLPHIN DITHLECTRICAL ENDLCRY ELECTRICAL ANC GLOBCSALL•TPRESPCLD ELECCDCSSL•INFLLENCE CP POTENTIALSNCP PNCTIC ETIRAMBLCEE BY CHEPICAL LCW•PREGLENCYELECTRICAL IN CATS BY ELECTRICAL ACLIO EFFECT CP ESPCNSE TC SIPULTANECLS PRODLCEC BY ELECTRIC OP REPTITIVE PNCTIC THE EFFECT OP ALCITCRY V TACTILE ANCCCICEPTIVE CCPERENS TC HYPCEASERVE BY PROPNCEPTIVE URING REPETITIVE PNCTIC CTION OP SLEEP EVOKED DU THALAMUS A CES NOYAL BCLGE PAR CES L EFFECT DE NSES ELICITED BYEREBRAL CTCN CORTEXITH CCNSTANT TICN OPERIPHERAL VISLAL ENSITYNC SPCRT CLRATION TC SCPATIC AFFERENT •E PUSICA FREQUENCY PCR AFTERRE•ACAPTATICA TO YSTEMATIC PRESENTATICAP C BY CESSATICAP PAINFLL ICA BY REPETITIVE NERVE OP THE INFLLENCE CP TEN SPACE PAY A SINGLE SOMEFFECTS CP CRIVE IN CP CONDITICNED PEAR CN COMPCESTICA CP THE P AS A RESPCNSE T LICHT TASKS HAVING PLLTIPLE TERACTICA IN THE CYAC•A L GREATESTCSITIVE • CN EGARDEL•AN ,,EFFECTIVE,, EMS. II. FINITEYSTEPS • EPS. INFINITE SYSTEPS • NUARY 1961. A TATE SPACE NCV 1958 NCOPINE•CCATINCLS TIPE CYNAPICS CP NCALINEAR AL INTERPCLATICANCBLE•A ARCP • ESCAPE•VELCCITY SCIENTIFICCNFERENCE IN ANTIPHLPATISCHER IES CP PRIE, JULY 1960 E NCV1960 THE LP • THE CXIDATICA AND CIPETHYL SLLPCRICE. CP CCARPICTICA CP THE SCLUTICAS CP THEAVIER• SEARCH SILCY CP AAVIER• CP THE AAVIER• EGRATICN CP THE AAVIER• EGRATICN CP THE AAVIER• CN ST AN AXIALLYYPPETRIC • C BCDY IN A CYLINCRICA• RIALLYYPP•JLL 1959. THE STIC PCAP LATICA CP THE PROP A PINITECO•AAVIER• THE PERCEPTICA CP OLIC DIELECTRICS•CHARGE S, AND THE CCCLCRRENCE • 961. INFCRPATION L CATA IN LARGE • THE 962. INFCRPATION CN THE DEVELOPPENT CF A CA PAGNETIC RCD S LSINGAGNETIC CCRES AS 196G THE ALLCCATICN CP OP CCPAPINE BY THE CN HIGH•CENSITY DIGITAL A PG//•OTP DEPENDENT OP RESERPINE CN THE RESEARCH CN THE OP RESERPINE CN THE IN THE ADRENAL MEDULL• TIPE STCCPASTIC ACEIUP SULFIDE EPISSICN CCCPERATIVE LCVING THE INTERSTICE• BILITAZACEATRATICA ANC INCER BC A CCPPLTER CHARGE ECLILIBRILP IN A ON THERE•THE EFFECTS CP OF AICRCCALCRIPETER. 50 ON THE PEATLAES CP PCR SEVERE CTTEDNESS ANC IN CREAT• SPICUOUS LAIVERSALARIA• CP A SILCY CP PACIFIC THAT BEARS CHECPAGNETIC E CLAIMS AN ICNCSPHERIC PE INDER CP ICNCSPHERIC BCICTICA CP GEOPAGNETIC CP GEOPAGNETIC CLAING PAGNETIC BETWEEN RCISE RIS ANC THE SPACERC•SLN •PRIL 4, • GEOPAGNETIC BETWEEN SCLAR NCISE CP SELECTED PACIFIC CP SELECTED PACIFIC CP SELECTED PACIFIC CP SELECTED PACIFIC THREE DIFFERENTYPES CP PEASUREPENTS OP SEVERE ATERWAR•THE GREAT EARTH STIPULATION OF FRONTAL CORTEX ANC DE STIPULATION CP FRONTAL CORTEX AND HI STIPULATION OF THE BRAIN • OOTTLEMOS STIPULATION OF THE BRAIN STEM RETICU STIPULATION OF THE LATERAL THALAMUS STIPULATION OF THE LIMBIC SYSTEM ON STIPULATION OF THE CCCIPITAL CORTEX STIPULATION OF THE CPTIC LOBE• THE A STIPULATION OF THE REGION OP THE STIPULATION OF THERAIN STEM RETICULA STIPULATION OF THELENDO•PONTINE TEGME STIPULATION OF TBC SENSEODALITIES A STIPULATION CN GENERALIZEDRESPONSES STIPULATION CN RESPCNSES EVOKEN STIPULATION CN THE PRONUNCIATIONP STIPULATION•INTERNEURONS ACTIVATEC B STIPULATION•ISOLATEC GUINEA PIG VAS STIPULATOON • AND ANGER IESPO STIPULI • CP THE CATOS P STIPULI • SETS CN THE PERCEP STIPULI • IN RESPONSE TC LOW•INT STIPULI INME CIENCEPHALON CP THE STIPULI OP ALTERNATINGGURATICN • ON T STIPULI OP VARICUS SPECTRAL COMPOSIT STIPULI CN PERIPHERAL VISUAL ACUITY STIPULI SEP 1959• CP TONES REINFORCE STIPULI•MOTOR END•PLATE DESENSITIZAT STIPULUS AND RESPONSEATEGORIES UPEN STIPULUS EVORE THC SENSATIENS SEPARA STIPULUS GENERALIZATION OBTAINED STIPULUS GENERALIZATION•• SCMEEFFECTS STIPULUS CNME ELECTRORETINOGRAPHIC STIPULUS 1961 • THE ELECTRORETINOGRA STIPULUS•OULTIPLE RESPONSE COMANDS STOCHASTIC PACET THEORY CF SOCIAL IN STOCHASTIC PATRICES WITH A NON•TRIVA STOCHASTIC PCCEL PCR INTERPRETING TH STOCHASTIC PCELS PCR PARY•BOCY SYST STOCHASTIC PCELS PCR PARY•BOCY SYST STOCHASTIC PCTCA•LEARNING ANALOG, JA STOCHASTIC PROCESSES WITH DISCRETE S STOCHASTIC STCRAGE PROCESSES WITH AA STOCHASTIC SYSTEPS JUL 1960 STOCHASTIC TREATPENT OF SCPE CLASSIC STOCK TUBE WITH ARC•HEATEC DRIVER, P STOCHCHCLP, FEBRUARY 29 • PARCH 2, STOFFE AUF DER BASIS IHRESERMITLICHE STOICHIOPETRY AND ELECTRONIC PROPERT STOICHIOPETRY AND RESISTIVITY OF PRO STOICHIOPETRY CF PRASECCYDSLP ANDERI STOICHOPETRY ANC SULFUR•CONTAINING STORES DRAG PERPULACER AXIALLY SYPPET STORES EQUATICNS • CP PERIODIC STORES EQUATICNS FINAL REPCRT JUL961 STORES EQUATICNS FCR ACPPLETE CLASS STORES EQUATICNS JAN 61 • INT STORES EQUATICNS JAN 62 • INT STORES EQUATICNSCR A CLASS CF THREE• STORES FLCW ABCLT A TORDUS SEP 1959 STORES FLCW CF A CCNDUCTING FLUID PA STORES FLCW PAST AN AXIALLY SYPMETRI STORES FLCW PRCBLEP FOR A CLASS OF A STORES OPERATCRS, JULY 1962•RELATIVI STORES SOLUTICAS AT LARGE DISTANCES STOPS AFTER S STORAGE AND IRRADIATION EFFECTS IN S STORAGE AND RELEASE OF CATECHOLAMINE STORAGE AND RETRIEVAL NOVEPBER 30, I STORAGE AND RETRIEVAL CP NCANUPERICA STORAGE AND RETRIEVAL SEPTEPBER 1, 1 STORAGE AND SEARCHECRY PINAL REPORT STORAGE AND SWITCHING CEVICE,ULY STORAGE ELEPENTS PAY 1961 • SYSTEP STORAGE PCR ARRAYS IN ALGCL•60 STORAGE GRANULES OF THECRENAL MEDULL STORAGE IN PHCSPHORS,ULY 15, 1960. STORAGE MECHANISP IN THE APINE GRANU STORAGE OF CATECHOL AMINES IRRAIN STORAGE OF HIGH TEPPERATUREASES STORAGE OF NEN PCRPCDATECHOLAPINES STORAGE OF NEWPCRPEC CATECHOL AMINES STORAGE PROCESSES WITH RANDCPINEAR STORAGE PROPERTIES C STORAGE WAREHCUSES PAY 1962 STORAGE•IPAGE CATHICCN961 • EMP STORAGE, PINAL REPORT OCT 1959 • STA STORE OP ITEPS AND TRANS•CTIONS AS STORED AEROSCLERING AGING • TO STORED ENERGY AND RECRYSTALLIZATICN STORED ENERGY PEASUREPENT IN IRRACIA STORP BURSTS IN THE 200 P C-S RANGE? STORP IDENTIFICATICA AND TREPASUREC STORP SCURCES, ACV. 62. • SP STORP SLDDEN CCPPRACEPENTS ANC INCON STORP SYSTEPSSING 1.07 CP RADAR, STORP THEORY COLISLE PROJECTICN,OVEP STORP,PRIL 1961. • NETWOR STORPINESS A YEAR•S STUDY OF T STORPS • A REVIEN JUNE 1, 1960. PA STORPS A CRITICALBAPINATICA OF METHO STORPS A WHISTLERANALYSIS, JUN 1962 STORPS AND SCLAR FLARES,YPE V BURSTS STORPS AND THE EARTH THE ALBORA PCLA STORPS AND THE SPACE ABCUNE THE EART STORPS ANDOSERVABLE PARAPETER OF STORPS BASEC CNCATINUOUS RACAR RECOR STORPS BASED CNCATINUOUS RACAR RECOR STORPS BASEC CNCATINUOUS RACAR RECOR STORPS BASED CNCATINUOUS RACAR RECOR STORPS DEC 1957• ANC WATER DUEGET IN STORPS IN NEN ENGLANDJULY 1962. STORPS IN NCVEPBER 1960 AS CBSERVED

EOCSICA CF CCNVECTIVE STORMS IN SEVEREEOTICAL WIND SHEER APCRC-TN-59-447
CF SELECTED PACIFIC STORMS CN CCNTINUOUSDATA RECORDS AFCRL-62-242
IGIN AND DECAY CF NCISE STORMS CN TROPICAL CISK 1961, + OF OR AFCRL-62-275
L ANALYSISAC + PACNETIC STORMS THEIR GEOPHYSICAL AND PHYSICA AFCRL-824
CF GEOMAGNETIC STORMS WITH SUDDENCMMENCEMENT, APRIL AFCRL-293
CF GEOMAGNETIC STORMS WITHSPECT TC THE GEOMAGNETIC AFCRL-1012
CF GEOMAGNETIC STORMS WITHWOODEN COMMENCEMENT, MARCH AFCRL-272
RINGCURRENT IN MAGNETIC STORMS 1958 OCLE CF APOSR TN 59-239
SCLAR PLOTTS AND NCISE STORMS, BACKSCATTER CFOSPIC RAYS PY APCRL-TN-60-1181
ITH ALBEDO AND MAGNETIC STORMS, APRIL 22, 1962. + N AFCRL-62-1014
S RELATING TOGEOMAGNETIC STORMS, APRIL 4, 1961. + DYNAMIC AFCRL-291
ENCEMENT CF GEOMAGNETIC STORMS, AUGUST 8, 1961. SUDDEN COMM AFCRL-826
CN DURING SEVEREGEOMAGNETIC STORMS, MARCH 1, 1961.+IN THE P+REGI AFCRL-460
CING DURING IONOSPHERIC STORMS, MAY 15,961.+BACKSCATTER SOUN AFCRL-912
OPHOLOGY CF GEOMAGNETIC STORMS,CTOBER 1961.+ STUDY CF THE MC AFCRL-1029
SPHERIC AND GEOMAGNETIC STORMS,EBRUARY 1961. + BETWEEN IONO AFCRL-148
CF GREAT GEOMAGNETIC STORMS,N THE UNEQUAL SPOTTEDNESS CF AFCRL-62-1030
ES CARBON 12 AND+BOMBED STRAGGLING OF PROTONS, ALPHA PARTICL ARL-TN 60-134
UGUST 1962. ELECTRON STRAGGLING THEORY AND CALCULATION, A AFCRL-62-973
PERIODICALLY LOADEDWITH STRAIGHT WIRES CCT 1959 + WAVEGUIDE AFUSR TN 59-1298
ROTATION AND STRAIN APCSR 339
CF CRYSTALS UNDER AXIAL STRAIN ROTATION APOSR 3593
TC THE YIELC PCINT IN STRAIN AGEDNGCT INDA AUG 1959 APOSR TN 59-760
G CF METALS DYAT+PES CN STRAIN AGEING HARDENING AND SCFTENIN APOSR TN 59-776
OF SCLVIE ATOMS DURING STRAIN AGING SEGREGATION APOSR 3592
CISLOCATION THEORY OF STRAIN AGING FEB 1960 APOSR TN 60-206
STRAIN AGING CF ANPPA+IRON PAR 1961 APCSR 905
CATIGUE +THE EFFECTS CF STRAIN AGING CN CRACK PROPAGATION AN ARL 7022
CURING STRAIN AGING, FINAL REPCRT 1961 AFOSR 271
INVESTIGATION CN STRAIN ANALYSIS CF METAL SHEETSITH ARL 62-317
Y 1961 PLANE+ STRAIN BENDING CF SANDWICH PLATES WA APCSR 837
IN POLYCRYSTALLINES BY STRAIN BIREFRINGENCE MEASUREMENTS APOSR 1819
ICN RELEASE OF TECTONIC STRAIN BY UNDERGROUND NUCLEAR EXPLOS APOSR 1930
ALS, STRAIN CHARGING OF INSULATING MATERI ARL-C047
CHARCTERIZA+ STRAIN D CELLSITH NORMAL BACTERIOCHL APOSR 4103
OF METALS CN THEATE CF STRAIN JANUARY 1961+ OF THE STRENGTH ARL 33
F SCLIDS+THE EFFECTS CF STRAIN CN THE INTERFACIAL ENERGIES O APOSR TN 59-1259
CE CF THE ELCTILEBI+THE STRAIN RATE AND TEMPERATURE DEPENDEN WADD TN 59-2
THE EFFECT OF PLASTIC STRAIN RATE CN CIPPLSICN INLUPINUP+2 WADD TR 60-210
THERMO+ELASTIC STRESS+ STRAIN RELATICAS FCR THINSCTROPIC APOSR TN 58-994
E SINGLY+EROCOVE, PLANE STRAIN TENSILE TEST AUG 1958 TH APOSR TN 59-713
G CF METALS+RESEARCH CN STRAIN+AGEING HARDENING AND SCFTENIN APOSR TR 60-170
SHOWING ANISCTROPIC STRAIN+ARDENING, CREEP RECCVERY, APOSR TR 60-306
AGEEMAVIOR STUCY CF THE STRAIN+HARDENING AND CUMULATIVE DAM WADD TR 60-178
TRESS OF CCPPERINGLE+THE STRAIN+RATE CEPENDENCE CF THE FLOW S APOSR 3621
C.C METALS+IN+EFFECT CF STRAIN+RATE CN THE FLOW STRESS OF P. AFOSR 15
DIREFRINGANCE IN STRAINED VISCCELASTIC FLUIE STEADY AFCSR 309
CY + DIREFRINGENCE IN A STRAINED VISCCELASTIC FLUIC UNDERTA APOSR 1168
ATURE OF CEFORMATICN CN STRAINING CF ALPHA IRCN+ THE TEMPER APOSR 1527
TEMPERATURE CN THE STRAINING OF ALPHA+IRCN SEP 1961 APOSR 1667
STRAINENESS 2 PESCN APOSR 4120
RE CF WEAK INTERACTICN+ STRANGE PARTICLE DECAYS AND THE NATU APOSR TN 60-1091
PENTAL STRANGE PARTICLE INTERACTICNS+EXPERI AFOSR 4116
RE CECAY INTERACTICA CF STRANGE PARTICLES FEB. 1960 GN T APOSR TN 60-304
THE PRCTCPRCCLCTICA CF STRANGE PARTICLESED 1961 + ABCUT APOSR 1567
FCR THE 1565+575 STRATEGIC ENVIRCNMENT, TASK 1, DATA APCRC-TR-59-1961V
SCIENCESESEARCH +JL' A STRATEGIC EVALLATICA OF ARCTIC EARTH APCRC-TR-60-219
ICENTIFICATICA CF THE STRATEGIC MISSICAS CF EARTHSATELLITES APCRL-TR-60-362
CCNDITICNSCR STRATEGIC PLBINING PART 4 AVERAGE APCRC-TN-59-2014
CETERRANCE STRATEGIES AN ANNOTATEC BIBLICGRAPHY APOSR TN 60-715
1961 PAYES STRATEGIES AS ACAPTIVE BEHAVICR OCT APOSR 1491
REFERANCE FCR A PINIPAR STRATEGY VALLE CRIENTATION AND P AFOSR 579
TA SYSTEPEC +AN CPTIPAL STRATEGY FOR A SATURATING SAMPLED+DA APOSR TN 60-67
FR CIPPLSICA ANCILLETARY STRATEGY 1959 + 1+SW 1, POW APCRC-TR-59-1964
PENTATICA AND SEARCHING STRATEGY, THEORY CF DCCU AFOSR 2710
RE SEP CCT 59 STRATIFICATICA IN THE LCWER ICNOSPHE APCRC-TN-59-963
LSING MEICHTIFFERENCE + STRATIFICATICA CF UPPER LEVEL WINDS APCRL-TN-61-844
CF TERRAIN AND THERPAL STRATIFICATICA CN FLOWN THE SURFACE APCRC-TN-59-401
CF TERRAIN AND THERPAL STRATIFICATICA CALCN ACROSS THE APCRL-TR-60-438
S FROD AN EXPERIMENT IN STRATIFIED CLIPATCLCGY CF UPPER WIND APCRC-TN-60-201
ACERGROL+PCCES IN LCSSY STRATIFIED MECIA WITH APPLICATION TO AFCRL-62-399
AND PRECICTABILITY CF STRATIFICAN PRECIPITATICN,EBRUARY 1, AFCRL-276
AT ICE SELF+STRLCTURAL+ STRATIGRAPHIC STUDIES CN THE WARD HU AFCRL-442
CF THE PARAEC STRATCLAB BALLECNLIGHTS, SEPTEMBER APCRL-TN-60-660
LRATICNS IN THE PICCLE STRATOSPHERE TOTAL OZONE AND PERT APCRL-1093
R TROPOSPHERE AND LCWER STRATOSPHERE APR 60 + IN THEPPE APCRC-TN-60-262
CF WATER VAPCR IN THE STRATOSPHERE ASETPRPINEC FROP INFRAR AFCRL-219
CF THE ARCTIC STRATOSPHERE BELCW0 KM, OCTCBER APCRL-TN-60-801
ATLAS CF PCNTHLY MEAN STRATOSPHERE CHARTS, 1955+1959, AFCRL-62-494111*
,+ATLAS CF PCNTHLY MEAN STRATOSPHERE CHARTS, 1959+1959,ARI I AFCRL-62-494
PIC DUST COLLECTEC IN+E STRATOSPHERE PAR 1959 + COS APCRC-TN-59-200
CTIVE AGGREGATES IN THE STRATOSPHERE PAR 1959 RADIOA APCRC-TN-59-201
FIELE CF THE ARCTIC STRATOSPHERE NEAR BCRW ENANUARY SEP APCRC-TN-59-619
AND LCWER STRATCSPHERE CVER NORTH AMERICAEB APCRC-TN-59-235
E TROPOSPHERE AND LCWER STRATCSPHERE, AUGUST 1962+FIELDS CFM AFCRL-62-1023
VERTICAL PECTIN THE STRATOSPHERE, PART II,ECEMBER 1959. APCRC-TR-60-24011
PROCESS IN THE STRATOSPHERE, SEPTEMBER 15, 1959. APCRC-TN 59-670
HE TROPCSPHERE AND IAPE STRATCSPHERE, SEPTEMBER 1962. + IN T APCRL-62-1013
RCLLATICA CF THE ARCTIC STRATCSPHERE,CTOBER 1960. + CI APCRL-TN-60-802
R TROPOSPHERE AND LCWER STRATOSPHEREAN 31 6C + OF THE UPPE APCRC-TR-60-215
1962. IDENTIFICATICA CF STRATOSPHERIC AEROSCLS, JANUARY 31, APCRL-62-299
96C. THE ALELTIAN STRATCSPHERIC ANTICYCLCNE, OCTOBER 1 APCRL-TN-60-615
CZONE VARIATICNS AND STRATCSPHERIC FLCW CVERANADA, 1958+5 APCRL-TN-60-803
I STUDIES IN ARCTIC AND STRATOSPHERIC METECROLOGY, APRIL 196 APCRL-416
31, 1959. RESEARCH CN STRATOSPHERIC METECROLOGY, DECEMBER APCRC-TR-60-229
SEMINAR IN ARCTIC AND STRATCSPHERIC METECROLCGY, JULY 27 APCRL-TN-61-208
,EPIEM+OCCATRIBLTICNS TC STRATOSPHERIC METECROLOGY, VOLUME II APCRL-TN-60-689
E PALLCUT STRATOSPHERIC PIRING FROP RADIOACTIV APOSR 3287
AIES FCR COMPUTING STRATOSPHERIC MCESTLRE, JANUARY 1961 APCRL-203
THE ENERGY CF STRATOSPHERIC MCTICNS.LABCRATY CIRCU APCRC-TN-59-665
FCR IDENTIFICATICA CF STRATOSPHERIC PARTICLES,EPTEMBER APCRL-TR-60-619
STUDY CF THE 1958+59 STRATOSPHERIC PCLARCATER, FEBRUARY APCRL-214
IGH LATITLCES, ICCB+THE STRATOSPHERIC TEMPERATURE FIELD AT N APCRL-62-491
CVER THE TROPICALCIFI+ STRATOSPHERIC TEMPERATURE VARIATION APCRL-62-898
RICA IN 1957,JLY + THE STRATOSPHERIC WARPING CVER NORTH ARE APCRL-62-846
RICA IN 1957.II. + THE STRATOSPHERIC WARPING OVER NORTH ARE APCRL-1040
RICA IN 1957.I. + THE STRATOSPHERIC WARPING OVER NORTH ARE APCRL-691
RICA IN 1957.. HEIG+THE STRATCSPHERIC WARPING OVER NORTH ARE APCRL-279
90+59 WINTER, BC + THE STRATOSPHERIC WIND REGIMES CF THE 19 APCRL-417
SOBARIC HEIGHTINCTICA+ STRATOSPHERIC WIND TEMPERATURE AND I APCRL 62-1149
CA,UNE +THE REVERSAL CF STRATOSPHERIC WINDS OVER NORTH AMERI APCRL-TN-60-490
CA INOS+THE REVERSAL CF STRATOSPHERIC WINDS OVER NORTH AMERI APCRL-TN-60-836
CA,EBRL+THE REVERSAL CF STRATOSPHERIC WINCS CVER NORTH AMERI APCRL-265
THE DISSIPATICN CFLPPER STRATUS AT BURBANK, CALIFORNIA, APCRL-432
OF SUPERCCCLED FCG AND STRATUS CLOUCS, MARCH 30,962. APCRL-62-685
ICA CM-SEC STREAK GENERATORS EPPLCYINGERSONATIN ARL 62-360
N STREAKLINES IN A PERTURBED SHEAR FLO APOSR 1795
RCFILON A HIGH SUBSCNIC STREAM + PAST A PINITE WEDGE P APOSR 916
GF ATMCSPHERE IN A FREE STREAM AND A CHARGED CHANNEL ALG 1961 APOSR 2219
THE INTERACTICN BETWEEN STREAM AND OCEY IN A FREE+PELECULCW. APOSR TN 60-914
INSTABILITY LIGLID STREAM AND DROPLET BEHAVICRART III WADC TR 59-720
CYLINCER IN A SUBSCNIC STREAM AROP THE ASSCCIATEC SOUND APOSR 2147
BEHAVICR CF AN ELECTRON STREAM AT AME DEVICECMITTING CURRENT AFOSR TN 60-870
OF SUPERSCNIC GAS STREAM BY A RADICFREQUENCY DISCHARGE AFOSR TN 60-648
LD PROGRAP CPROJECT JET STREAM FROM 1956 TC 1958 OCT 59+ PIE AFCRC-TN-59-266
BCDE SCATTERING CN TOC+ STREAM INSTABILETIEN A PLASPA APR 61 APOSR 665
CF COLLISICNS CN TOC+ STREAM INSTABILETIES IN ALOSMA PAR APCSR 421
TOC+ STREAM INSTABILETIES WITH COLLISICNS APOSR 3390
AN ELECTRON STREAM INSTABILITY PAR 1962 APOSR 2658
BJECTS TC A LCWSPEEC AIR STREAM JUNE 1962+THE NEAR CF BLUFF O ARL 62-361
RPS AS CBTAIN+ELECTRON+ STREAM KINETIC+POWER SECOND+ORDER TE AFOSR 607
EET PACING A HYPERSCNIC STREAM PAR 1959 + IMCCMPRESSIBL AFOSR TN 59-274
ETRIC JET IN ALPERSCNIC STREAM PAR 1962 + FLOW CF AN ANISYMM APOSR 2792
BLUFF PLATE IN AIR STREAM PART II SURVEY CN SEPARATEC ARL 4
AT BODIES IN AYPERSCNIC STREAP PT I THEORY CCT 1959 + CN BLU AFOSR TN 59-1273
SUPPER SLETACPICAL JET STREAP RELATIVO THE JET+AXIS 1959 AFCRC-TN-60-227
SPREAC CN THE TOC+ STREAP OF GASBACK A NEUTRAL PLASMA AFCRL-178
ENT + EFFECTS CF FREE+ STREAM TURBULENCE AND PRESSURE GRADI AFOSR 3146
UCTUATICNS CF THE FREE+ STREAM VELOCITY + LAYER TO SPALLI AFOSR TN 59-885
CYLINDER TC AXIAL AIR STREAM WITH AIR INJECTION INTO A APOSR 1397
A SUPERSCNIC RAREFIECN STREAP, PART II+COMPARISON CF EXPERI AFOSR TN 60-268
SIGNAL RAREFIEC, PLASPA STREAP+ CYLINCEAPPERSED IN INO+DIPEN APOSR 3604
ICAL NOTICNS IN THE JET STREAPS MAY961.+INSTABILITY AND VERT AFCRL-473
CITY DISTRIBUTECLECTRON STREAM, 1960. + EVERTAKING IN A VELO AFCRL-731
LANE OCUNCARYI ACCLSTIC STREAPING FIELD + NEAR A P APOSR 2125
PLASPA WAVES IN A STREAPING MCPCGENEOUS, COLCNIZED AFCRL-62-1093
TICAS IN HIGH SPEED GAS STREAPS + OF ATCPCACENTRA APOSR 3209
CNIC AND HYPERSCNIC GAS STREAPS + BODIES IN SUPERS ARL RC04
SUBSONIC AND SUPERSCNIC STREAPS + IN ACN+UNIFCRMTREAPS AFOSR TN 59-112
CNIC AND HYPERSCNIC GAS STREAPS + AERCCYNAPIC BCDIESN SUPERS APOSR 1591
ICNIZECCN+EQLILIBRILM STREAPS ENERGY LTILIZATICA AMC THEET APOSR 1360
ACAEQUILERRILPLPERSCNIC STREAPS FEB 1962+ CHEMICALLY ACTIVE APOSR 2202
IN AON+LAIFCRPLPERSCNIC STREAPS JAN 1959 + OF AIRFOILS AFOSR TN 59-111
CIATECNAEQLILIBRILP GAS STREAPS OCT 1961+ TC PARTIALLY DISSO APOSR 1841
AEQLILIBRILP SUPERSCNIC STREAPS OF ACTIVATEC NITROGEN + IND AFCSR 913
1959, LAMINAR PIXING CF STREAPS OF DIFFERENT GASSES. APR AFOSR TN 59-977
FREE PIXING OF PARALLEL STREAPS OF TWCIPPERENT GASES JUN AFOSR 966
PIXING CF STREAPS OFIPPERENT GASSES JLL 1960AR AFOSR TN 60-123
OF SCLAR PARTICLE STREAPS USING HIGH+FREQUENCYACIO APCRL-62-1122
S IN SEPARATECLPERSCNIC STREAPS+ THE EXISTENCE CF CROSS FLOW APOSR 3622
MEECING A RAMPAN WCRTER STREET JAN 1960 + NEAR AYLINDER S AFOSR TN 60-835
NEBULAE)SPECTRAL LINE STRENGHTS FROP ASTROPHYSICAL DATA' APOSR 3632
ZATICN VARIABLES CN THE STRENGTH THE EFFECT OF PCLYMERI ARL-C04
BS ALONG A JET STRENGTH DISTRIBLTICN CF NCISE SOURC APOSR 3700
DETERMINATICN CF FIELD STRENGTH FOR FIELD EVAPORATICN ANCON APOSR 3519
CF THE SIGNAL STRENGTH FOR COLIGUE 90C-S AURORAL APCRL-725
THE PRAVE STRENGTH FUNCTICN ARL P032
THE SPWAVE AND PRWAVE STRENGTH FUNCTIONS 1961 ARL 254
ACIC BASE STRENGTH IN DIPHTHYLSULFONICE APOSR 1877
BETWEEN STRLCTURE AND STRENGTH IN PETALS /ALLOYS, NAT PHYS APOSR 1994
RTIC PIELC CF ARBITRARY STRENGTH JUNE 59 + OPA AXIAL MAGN AFCRC-TN-60-350
ANDALYSIS CF FIELD STRENGTH PEASLREMENTS ATMOSPHERICS AFCRC-TN-60-557
PRPACPENA CN THE STRENGTH+ OF HIGHTEMPERATURE ALLOYS ARL 225
THE DRPENCENCE CF THE STRENGTH OF PETALS CN THEATE CF ARL 33
E ECONOMIC AND PILOTARY STRENGTH OF NATICNS FEB 1964+PERCEIVE APOSR 1915
IU' AN ESTIPATE CF THE STRENGTH OF THE ACCOLSTIC SIGNALENERA AFCRC-TN-59-420
THE ACID STRENGTH CF TRIPHENYLSULANCL APOSR TN 58-686
RESEARCH CN THE STRENGTH OF VCRTICES PRODUCEDBEHINC APOSR TR 60-10
CPPERANCE CF THE STRENGTH OF ZCNE HARDENEDOLUPINIUM+SI APOSR 4026
THE +ICR TEPPERATURE STRENGTH+ OFCLYCRYSTALLINE SCLIDS ARL 101
CI THE FRACTURE STRENGTH+ OS SCLIDETALS JUL 1960 AFOSR TR 60-116
SION IN PCWERS OF SPCCR STRENGTH PARAPETER + WITH AN EXPAN APOSR TN 60-83
SCLUTE ELEPENTS CN THE STRENGTH PROPERTIESF IRCN AND COBALT WADC TR 59-258
NOIZEMODELCEC BY PEGILR STRENGTH SHOCK WAVES+ IN THERPALLY I APOSR 3729
GRAPOAITTLEPONT IN HIGH STRENGTH STEELS + PECHANISP OF HYDRO ARL 2009
EPOAITTLEPONT CF HIGH STRENGTH STEELS BY THEYDROGEN ISCTOP ARL-TR 60-300
ETIC PIELC CF ARBITRARY STRENGTH, 1961 + A STATIC MAGN APCRL-62-126
DWAVE+SPCRT RANGE CRDER STRENGTHENING IN A LCNG RANGE ORDERE ARL 223
ECTRAL LINES IN THEMFRO+ STRENGTHS AND WIDTHS OF MOLECULAR SP APOSR TR 59-207
ENERGIES ANCSCILLATCR STRENGTHS FOR AE2935 SEP 1958 APOSR TN 59-884
ANCE IN THEL+OSCILLATCR STRENGTHS OF LEAD AND THE LEAD ABUND APOSR TN 60-1001
CN THE PAGNETIC FIELD STRENGTHS OF SUNSPOTS OCT 59 APCRC-TN-59-497
AGRAP FCR >2 CSCILLATCR STRENGTHS,EPTEPBER 1962. + DI APCRL-62-1042
CN THE TPCORY CF PLANE STRESS APOSR TN 60-1493
EPISSICN UNDER APPLIED STRESS /COUSTIC ARL 190
ICAL SHELLUNDER INITIAL STRESS + OF INFINITELY LONG CYLINDR APOSR 1150
RN AN + THE PRICTICAL STRESS ACTING CN A PCVING DISLOCATIO APOSR TN 60-978
UN 1960TA+CN THE CREEP+ STRESS ANALYSIS OF SOME STRLCTURES J APOSR TN 60-836
TURES JUL 1959 CREEP+ STRESS ANALYSIS CF THIN+WALLEF STRUC APOSR TN 59-469
CTERIS+INVESTIGATICN CF STRESS DISTRIBUTION AND STRENGTHNARA APCRL-62-179
CTERIS+INVESTIGATICN CF STRESS DISTRIBUTION AND STRENGTHNARA APCRL-968
CTERIS+INVESTIGATICN CF STRESS DISTRIBUTION AND STRENGTHNARA APCRL-729
CTERIS+INVESTIGATICN CF STRESS DISTRIBUTION AND STRENGTHNARA APCRL-727
TATIONARY + THE BENCING STRESS DISTRIBUTION AT THE BASE OF A ARL 29
HPIC SPIRAL DISLCCATCN+ STRESS DISTRIBUTION DUE TO A LOGARIT APOSR 804
LCCA + INVESTIGATICN CF STRESS DISTRIBUTION IN AN INFLATEDBAL APCRC-TN-59-400
N+BALLEC SECTIONS IAPE+ STRESS DISTRIBUTIONS IN BEAMS OF THI APOSR TN 59-174
TRACTICN, CCT + ACTE CN STRESS EFFECTS DUE TO RELATIVISTICON APCRC-TN-60-183
LIC CRYSTAL AT THEUNPA+ STRESS FIELD CALSED BY A UNIFORMLY S APOSR TN 60-1307
RR+ARGBAING CRYSTALN + STRESS FIELD CALSED BY SLIPS IN A HO APOSR TN 60-1256
LS AT INITIAL STACECPL+ STRESS FIELD IN POLYCRYSTALLINE META APOSR 530
LLY DEPCRPCE CRYSTALN + STRESS FIELC CF A UNIFORMLY PLASTIC APOSR TN 59-1048
OF PLATES UNDER THERPAL STRESS FINAL REPORAR 1962+ HEVAVIOR APOSR 3199
59 THE LCWER CRITICAL STRESS FOR DELAYED FAILURE AUGUST 19 WADC TR 59-445
FCREASLPING SHRINKAGE STRESS IN WESTBRINEC GELATIN FILMS APOSR TN 59-187
A THICKLASTIC PLATE + STRESS IN THE VICTNITY CF A CRACK IN APOSR TN 60-1049
OF PLASTIC YIELD STRESS INAGNESIUP OXIDE SINGLE CRYST ARL-TN 60-272
CREIECRSPLLGEN THERPAL STRESS INELTA WINGS + IN APOSR 1404
THEORY CF HIGH STRESS LEVEL FATIGUESECEMPER 1961 ARL 101
VATEC TEPPERATURE+ HIGH STRESS LEVOLATIGUE JULY 1962+ OF ELE ARL 62-371
DEPENDANCE CF THE FLCW STRESS OF COPPERINGLE CRYSTALS APOSR 3421
STRAIN+RATE CN THE FLCW STRESS OF P.C.C PETALSWINING IN APOSR 10
THE EFFECT CF TENSILE STRESS ON BINORBAL ANGLES INEADED APOSR TN 60-309
CREEPED + THE EFFECT CF STRESS ON GRAIN BOUNDARY SLIDING IN APOSR 282
A GERMANIUPCT+EFFECT CF STRESS ON THE BCNCH WAVE FUNCTIONS I APOSR 1622
AND PILE SITLATICAL STRESS CNN VARICUS PSYCHOLOGICAL APOSR 4209
LASTICITY JLL59+A PLANE STRESS PROBLEP IN PIECEWISE LINEAR P APOSR TN 58-629
YES ANCA+CRAIN OCLNCARY STRESS RELAXATION AND SLICING.B SOLU APOSR TN 58-123
PECHANISPS CF STRESS RESPONSIVITYCONC ANNUAL APOSR TN 60-1170
PECHANITPS CF STRESS RESPONSIVITYRE+ANNUAL REPCRT APOSR TN 60-1856
ETERNALLY ACTCHEC PLANE STRESS TENSILE SPECIPENJLY 1961+ AN E ARL 24
APPRECIPATICA TC THE STRESS TENSCR AND THEGAT FLUE VECTOR APOSR TN 58-753
PROPAGATICN AND APPLIED STRESS+++ AN EQUCCYCPROBACH SEPTEMBER ARL 58
RESIA+TPE CONVECTIVE STRESS+DEFORPATICN RELATIONS FOR ATO APOSR TN 58-1005
CPIC +CR TPERMO+ELASTIC STRESS+STRAIN RELATIONS FOR THINSCTR APOSR TN 58-904
APICAL ACPISSIBILITY CF STRESS+STRAIN FUNCTICNS+AND THERMODYN APOSR 1620

STABILITY, STRESSES AND DEFLECTIONS OF TRIANGULAR APOSR 1910
STUDIES OF THE STRESSES ANISOTROPIC PLATES UNDER CUTOUTS NONR TN 59-2
PROPAGATION OF THERMAL STRESSES IN A SEMI-INFINITE MEDIUM APOSR TN 59-448
CON-VECTION AND THERMAL STRESSES IN A SOLIDIFYING UNIFORM APOSR TN 60-320
OBJECTED TO AUSTEN + THE STRESSES IN AN ELASTO-PLASTIC BAR SU APOSR TN 60-321
ING A FINITE-AMPLITUDE STRESSES IN AN ORTHOTROPIC PLATE HAV ARL 22
90C ELASTIC THERMAL STRESSES IN DELTA WINGS PART I JUL 1 APOSR TN 60-140
STUDY OF PILOT STRESSES IN FLIGHTDAL REPORT APOSR 1727
NOTE ON TWO-DIMENSIONAL STRESSES IN LONG BEAMS WITHDRAWISE ARL 62-329
A X-RAY STRATI-INTERNAL STRESSES IN PEDAL CERAMIC SYSTEMS II APOSR TN 59-1181
DIES OF CYCLOTID-THERMAL STRESSES IN PERFORATED PLATES AND DO APOSR 1050
CITY DECISION ACOUSTICAL STRESSES IN SECOND ORDER VISCOELASTI APOSR TN 60-1048
AND THERMAL STRESSES IN STRUCTURES MAY 1959 APOSR TN 59-327
AND THERMAL STRESSES IN STRUCTURES WITH CONTACT APOSR TN 60-506
SES.A-RESEARCH CA CROSS STRESSES IN THE PLAN OF DIFFERENT AN APOSR 2074
ARPT-RESEARCH CA CROSS STRESSES IN THE PLAN OF LIGHTS.OCEN. APOSR TN 59-37
RESEARCH CA CROSS-S STRESSES IN THE PLAN OF LIGHTSUMMARY APOSR TN 60-996
RESEARCH CA THE CROSS-S STRESSES IN THE PLAN OF RANDFIED APOSR 44
20 FEB 1960 PT INCISE STRESSES IN THE LAMINAR FLOW OF APOSR TN 60-994
OF DIFFERENT GASES.ACISS STRESSES IN THE LAMINAR FLOW OF APOSR 2074
E THERMAL STRESSES ON A PERFORATED SQUARE PLAT APOSR TN 60-040
NTAL CIRCULAR-C-THERMAL STRESSES ON A SQUARE PLATE WITH A CE APOSR TN 59-11
EFFECTS OF TRIAXIAL STRESSES ON MECHANICAL PROPERTIES APOSR 1716
ATING HEATAY + THERMAL STRESSES. PRODUCED IN A DISK BY A HOT APOSR TN 60-1167
ONAL PRESSURE AND-THERMAL STRESSES. FINAL REPORT DOC 59 + DATE APOSR TN 59-203
CONVERGENCE STUDIES OF STRESSFUL CAPTIVITY MAR 1961 APOSR 494
AAC MECHANICAL STRESSING CONDITIONS DECEMBER 1960 NASA TN 60-271
METHOD OF SCANNING THE STRETCH ARRAYSEPTEMBER 1962. APCRL-62-729
A CR SCME GROUPS AND-CRN STRETCHING BANDS IN THE RAMAN SPECTR APOSR TN 60-590
FIRST ORDER CENTRIFUGAL STRETCHING EFFECTS + III. APOSR TN 59-259
BETWEEN CON- STRETCHING FREQUENCY ANGLECTRONEGATI APOSR 2024
RAN 58 BENCING AND STRETCHING OF CORRUGATED DIAPHRAGMS APOSR TN 58-164
V ANDAN-STILCIES IN NCN- STRETCHIOMETRY ELECTRICAL CONDUCTIVIT APOSR 644
IES + STILCIES IN NCN- STRETCHIOMETRY PARAETIC SUSCEPTIBILIT APOSR 649
THEORY JLL 1960 STRICT LOCALIZATION IN QUANTUM FIELD APOSR TN 60-818
EPDER 1960. +IV' ATOMIC STRIDE DECODING INSTRUCT SYSTEMS,DC APCRL-TR-60-167
BLEMS OF ACAMPCPCENNCLS STRINGS JAN 1960. EIGENVALUE PRO APOSR TN 60-57
ON VIBRATION OF ELASTIC STRINGS AND BARS JAN 1962 RAND
WEACIES CYLINDRPCPENNCLS STRINGS WITH EQUIMEASURABLE DENSITY APOSR 1900
SCRAMING OF PAPER STRIP CHROMATOGRAPSP 1131-LABELED APOSR TN 60-281
ELL HEATED ALONG AXIAL STRIP DEC 1959 + CYLINDRICAL SH APOSR TN 60-1149
CP AN ARTIFICIAL STRIP DIELECTRIC RECTUPAN IS 1959 APOSR TN 59-1250
ION TO EIPPRACTICA BY A STRIP FEBRUARY 1961. + WITHAPPLICAT APCRC-TR-59-167
BAISSANCE VEPICLE,AY + STRIP MAPPING BENEATH AIRBORNE RECON APCRL-65
BAVE BY A PETAL- STRIPRATING. EXPERIMENTAL RESULTS. APCRL-TR-60-1121
PROM ISCT-EAPALPANDISE STRIPS ON A FLAT PLATE FEB 1960. APCRL-982
CP THE METALLIC- STRIPTYPE PERIODIC PROBLP, ECTOBER APOSR TN 60-647
PLITIPLE STRODES IN LIGHTNING CHANNELS APCRL-TR-60-1127
ABOUT 27 A BOLECULICE STROP OF PICOSECSIPS WITH PERIODS OF APCRL-921
TILP-STABIN E CELLSIP- STRONGLY CARCTERDIC-DEFICIENT CHROMA APCRL-62-664
V -CA THE EVALUATION CP STRONGLY COMPLEXED PHOTOGRAPHS,EDOLAR APOSR 6103
FUNCTION PCR STRONGLY INTERACTARTICLES PAY 1959 ARL-TR-60-279
DYNAMICS CPAS-OLBOLE IN STRONGLY OVERSATURATED GAS-LIQUID APOSR TN 59-624
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CF DISLECATICN ARL 62-516

ON THE BEHAVIOR OF PERMEICON ALLPINUM AND DETERMINATION OF CP TANTALLP AND EPISSICN PROP A ASENIDES CP BICBILN AND PHASES CP BICBILN AND CRIBATION CP 0+T600CPBI+OBIBATION OF RLC INDUCED EMISSION IN G SYSTEP LSING PAGNTIC EVALUATION FOR PRINTED CARDS AND PAGNETIC PLE METPOC FOR PAGNETIC OPERATION INOCUPENT+THE PROPOSED PCLARIZERCTER S DEFLECTEDCRP A PCVING RCP SERVICES CN PCVING+ UTILITY CP BLANKING AEB FOR CETERPINATION CP NTENNAS, PAYL,+PLLTIPLE RACAR LSING A STANDARD CNIGNATLOR + JL' RACAR A TRANSITCRIZEC RACAR IN TRANSPARENT R PORMATICA IN PETALLIC E ATTACK AND CEFEASE CP CSS SECTICAS GPALLISTIC RCACHES IN INTRACRANIAL IN RADAR RESCLLTICN CP LOCITY CCPPERATC CCPPER R PCMPATICA IN PETALLIC TYPE EXPCSLRE TIPE AND CE APR 56 REGLACEACY IN PERVISCR-IRACKCAIT+SAGE ANCE CPFICER-AIRLP+SAGE ENVIRCAPENT, ENVICAPENT)TEA?', LENCE IN TPEGGLCPERATI+ STRATEGIC ENVIRCAPENT, ?STRATEGIC ENVIRCAPENT, ENVIRACPENT, ?TRATEGIC ENVIRCAPENT, OP CLCLC PARTICLES. TECTERPS IN A SECLENTIAL AECTER ANCATERCEPT+SAGE SUPERVISCR TRACKAI+SAGE AACECNTCCLLEC AND SKILL BPHAVICR IN CCPPLER SEARCP 1956+1957, CT 1961 TIX ANSFORMATICNS FER 1961 TRANSFORPATIC JLN 1961 ESARC TRANSFPRPATICNS > CRYSTALS, BY C LRCANCE CP LITHILP IN T LRCANCE CP LITHILP IN T AE? THE PARAMETER 93 ELEVATICAS BY PERMAN? THE RESLLTING RAYEIG+ CCNSTRLCTICA CP ACTIVE REALIZATICA CP NETWORK FLACTICAS LSING CURIER CCEFFICIENTS PCR RIRECT IPPLLSESPCA$+TPE RCHANGIATICA AS AAIC IN Y 1959 ALTCPATIC ECOLOGY + RESEARCP AND UPCNBERPCRPANCE CP SPALL EQUIPPENT PORSE IN A G CCPPANCE+JL' PROJECT VIRCAPENT? WHICP AFFECT ENVIRCAPENT? CALIPCRNIA ?AST PROPERTIES CP AMC ALLPINLP+ S BY PEARS CP PICPCNAVE CPFICER-AIRLRVEILLANCE CR ANDATERCEPT CIRECTER ATION PRA, PRELIPINARY+ G PISSLES AND SATELLITE YSICAL PHENOPENA IN ARC CP+THE+ART CP PLASPAJET RESEARCP IN CCPPLTER CN PIGP TEPPERATLRE ASLRPENT+SPECTACISCCPIC AR EXPLOSICA RELEASE CP /LLOYS, AAT PAYS LAB, NING, AUGLST 1961 . A Y CCSNEC+RAYRIPANIES IN DELLA STIPCLAZICNE CRL TICA OF TPELLOC+PCNTINE CLRVATURE PROPERTIES CF CES SCPE REPORNS CN ANC PHYSICAL STLCIES CF CO+ CHANGE CP THE PARS+ OCTTCP CBSERVATICASSERP+ ANTENNA AT S+RANC, CP GLACRALCCP 2.CC3, 2.CC4, 2.CC5,CC9 RELATICA TC THE SITE + BITTIGP RESCLLTICA RACIG FLTLRE LARGE RACIG C TC PUTLRE LARGE RACIG + SPACE ASLRED WITP CIRECTIONAL TINSENSITIVITY CP RATIC RAYCS CCSPICOSECEICA CCN CATERATTP CCAST+?IRELESS CRC+OCZERPANTECP+PLAST+ REPCRT CP OF THE CCLCSEC CIRCLIT SYPPICP OF THE JAPA+ WHAT THE PRCCS BYP CPPE'PERCLAY+ TANTALUP AND TANTALUP BASELLOYS AT TANTALUP AND ZIRCONIUM ELECTRODES TANTALUP ANDICCIUP PROP HOMOGENEOUS TANTALUP BASELLCYS AT HIGH TEPPERATU TANTALUP CRYSTAL IN CESIUM CHLORIDE TANTALUP SEP 1962?+PCRPHOSPHIDESNC A TANTALUP. II.ETALLOGRAPHIC STLDIES, TANTILUP AT 3000+5900C, TANTILUP IN THE TEPPERATLRE RANGE 50 TAP CDS CRYSTALS ELECTRIC PI TAPE CONTINUOUS AVERAGIN TAPE BUPPERQUIPPENT, SEPTEPBER 1962. TAPE FOR COPPLTER+TORAGE AND PROCESSI TAPE RECORDING OF OCLECTRICCTENTIALS TAPE TYPEWRITER PLAN A PETHCD FOR CO TARGET + BY THE SOLIC EFFECT A TARGET + THE BUPPER PLUS OP PCLECULAR TARGET INDICATION PAR 1960 RESEA TARGET INFORPATION AN ATTUATICN TARGET POSITICN ANDELOCITY FROM TWO TARGET RESPONSE OF DATA PROCESSING A TARGET SEPO+CALIBRATION OF A WEATHER TARGET SCATING BASEC UPCN PCLARIZATI TARGET TRACKER MAR 1959 TARGETS AND A PECPANISP FORPATER TARGETS B . LEAC+TIA ALLOYS CRATE TARGETS BY PISSILES JUL 1962 TH TARGETS FEB 1960 SECRET + RADAR CR TARGETS JUN1959 + ANDEPPORAL APP TARGETS CNALLISTIC TRAJECTORIES BY TARGETS SEP 1959+ IPPACT OF ULTRA VE TARGETS, A. PURE METALS CRATE TASK + AS A FUNCTICA OPLEMENT TASK ASSIGNMENTS ANC GROUP PERFORPAN TASK EQUIPPENT ANALYSIS TRACKING SU TASK EQUIPPENT ANALYSIS AIR SLRVEILL' TASK L, SLPPARY REPCRT SECRET 1959 TASK I EXECUTIVE SLPPARYECRET DEC TASK I THE ROLE OF ATMOSPHERIC TURBU TASK I, DATA PROCESSINGESOLRCES TASK I, HUMAN FACTCRS STLDY 19 + TASK I, POWER DIFFLSION ANCILLIARY TASK I, SCIENTIFIC REPORTECRET 1959 TASK 2 WEATHER RADAROBSERVATIONS TASK, JUN1960 + I. RECAL CF UNREALA TASK+EQLIPPENT ANALYSIS INTERCEPT DI TASK+EQLIPPENT ANALYSIS, INITIATICN TASKS + CP EXPECTANCIES IN CH TASKS HAVING PULTIPLE STIPULLS+ULTIP TASKS I AND IIEBSONAEL AR-TSO+13 TASKS IN COPPLTATICAL LINGLISTICS O TAUBERIAN CCNSTANTS FOR HALSCORFF TR TAUBERIAN CCNSTANTS FOR THE IJ,PIJ'' TAUBERIAN CONSTANTS FOR THE ABEL AND TAUBERIAN THECREPS PAR 1960 TAUPIN PART II. CRYSTALLINSEICURE TAURI STARS ANCELATED OBJECTS+THE AB TAURI STARS.P FURTHERBSERVATIONS+ AB TAURI' JUL 1962 + IN STORS ANC NEBUL TAYLCR EXPANSICNS FROM THE GEOIC TAYLLR INSTABILITY + FILED AND TAYLCR SERIES APPROXIPATICNS FOR TCHEBYCHEFF PARAPETER FILTERS, JULY9 TCHEBYCHEFFCLYNCPIALS MAR 1960 + CF TCHEBYSCHEFF PATTERNS, SEPTEMBER962. TCHEBYSHEFF APPROXIPATICN CF A PRESC TEACHING IIA CBC 1959 + OF ENGLISH P TEACHING, THE STATE OF THE ART, WILE TEACHING, MAY 1960. TECPICAL PET TEAMS OCT 1961 + OF INFORPATICN TEAS SIPULATICN RESEARCP FACILITY, TEAS, RESEARCP PLANNING FOR PCST+197 TEAS, FEBRUARY 15,961, SECRET + EN TEAS', TASK I EXECUTIVE SLPPARYECRET TECH, PASADENA 28 ALG+SEP 1960ILLIAN TECHNETIUM ANC RHENIUMOPPCUNDS. TECHNETIUM SYSTEPS TWEEN PHASES TECHNI + BEHIND SPOCK WAVE TECHNICIAN APP 6C + AIR SLRVEILLANCE TECHNICIAN FEB 6C + INTERCEPT DIRECT TECHNOLOGICAL CHANGE ANC THE ORGANIZ TECHNOLOGY JLLY962 + APPLICATICNS T TECHNOLOGY, PH TECHNOLOGY, CN THE STATE+ TECHNOLOGY,ACPINE TRANSLATION, NUPER TECHNOLOGY,RCC ASILEPAR CCNF GRCUNDS TECNIQUE PCR TEPPERATURE+CENSITY PE TECTENIC STRAIN BY LNDERGRCLNC NUCLE TEDDINGTON, PICCLESEX, ENG, JAN TEETER+TOTTER APPRCACH TO ARRAY SCAN TEPLIN + PROBABILITIES CF PAST HEAV TEGMENTC BULBC+PCNTINOEL GATTO TALAM TEGMENTUM IN THE ACLTE THALAMIC CAT TEICHPULLER SPACE TEICHPULLER+S SPACE TEICHPULLER+S SPACE CF RIEPANN SURFA TEKTITES FEBRLARY 19, 1962+CHEMICAL TELECON $ROB + OF TYPE LPI+OO, TELEPETERING SEISPCGRAPHS FCR OCEAN TELEPETRY ANDCPPANT CONTACI ANTENNAS TELEPETRY ANCCNTACI ANTENNAS FOR TELEPETRY QUACRALOCP ANTENNAS, DECEP TELENCEPHALIC ANCLSAL AREAS + THEIR TELESCCPE ANTENNAS, FEBRUARY 1961. TELESCCPES TELESCOPES PAY 1961 ?+CPCSAL LEACIN TELESCOPES ANC CCPPCNENTS, JUNE 1960 TELESCOPES+ INTENSITY AT CHACALTAYAL TELESCOPES, FEBRUARY 1961.+ AND LIRE TELESCOPICS DIRECCICNALES EN CHACALT TELESTIPULATICN OF THE CAT+S POTER C TELETYPE CAPACITY TESTS ON THE STANF TELEVELCPAR CESIGN STUDY AUG 1959 TELEVISICN SYSTEPCR OPTICAL RANGEFIN TELLER EFFECT IN THE NEGATIVONS OF TELLS THE PRCGS BRAIN TELLURIDE CAEPILP+TELLURIDE SEMI+CON CAEPILP+ TELLURIDE SEPI+CCNDLCTOR SOLICLUTION TELLURIDE, SEPTEPBER 1962. TELLURIUP DEC TELLURIUM SOME EFFECTS TELLURIUM ERANTIDPCRPHOUS CN TELLURIUM GALVANOPAGNETIC COEFFI TELLURIUM JIV+ CATHECOLATE, JUL959+7 TELLURIUM AT 4 2 0 P THE GALVANAP TELLURIUM JAN 1961 TELLURIUM MAY 1961 + ELECTRICAL PRO TELLURIUP AUG 1961 + ELECTRICAL PRO TEMP+RATURES)VI' SCME ASPECTS OF TEMP, & BOULDIN / & GORDY IABST OF TEMPERATURE, VORTICITY, AND VERTICAL TEMPERATE LATITUDE CLOUD AND WEATHER TEMPERATURE ETHANOL SO TEMPERATURE + MEA I AND MEA AS A TEMPERATURE + FINAL REPORT TEMPERATURE AGING IN AL+4.2 PCTU+AN TEMPERATURE AIR DEC 1959+, TABLES TEMPERATURE AND CCRPOSITICN DEPENDEN TEMPERATURE ANC HIGH PRESSURE BCMBARDPENT TEMPERATURE AND ISCBARIC MEIGHTONCITY TEMPERATURE AND PERTURBATION O TEMPERATURE AND PREFERRED ORIENTATIO TEMPERATURE AND PRESSURE,JANUARY 30, TEMPERATURE ANC VOLUME PERTURBATIONS TEMPERATURE ANDIGH CENSITY CASE TEMPERATURE ANDNTENSITY MEASUREMENTS TEMPERATURE ANTICRICANTS FOR SYNTHET TEMPERATURE ANY TIPE ON AIRCRAFT AND TEMPERATURE APRIL 1962 + WITHPANNIS TEMPERATURE AT P + 4.3 JUNE 1959 TEMPERATURE BIORATICNALEPPERATURE CP ROTATICARL TEMPERATURE CHANGES IN THE PREOPTIC INFLLENCE CP LCCAL TEMPERATURE CIELECTRIC PATERIALS, AU TEMPERATURE CCEFFICIENT OF RESISTANC TEMPERATURE CCPBLSTION GAS COPPOSITI TEMPERATURE CCPBLSTION PETHCD FOR OR TEMPERATURE CCPPLER COPPCNENTEVELCPP TEMPERATURE CCNCITIONS DURING THE YE TEMPERATURE CCNCITICNS INDCPINENCES TEMPERATURE CCNTROL PETHOC FOR USE O TEMPERATURE CORROSION CPETALS TEMPERATURE CRYSTAL CHPISTRY FINAL TEMPERATURE CSCPPER 1960+CN A CYLIN TEMPERATURE CEPENCANCE CF TPE STRENG TEMPERATURE CEPENDENCE CF ECGA EMISS TEMPERATURE CEPENDENCE CF PATERIALS TEMPERATURE CEPENDENCE CP PLASTIC YI TEMPERATURE CEPENDENCE CP RAMAN INTE TEMPERATURE CEPENDENCE CF RAMAN RELA TEMPERATURE CEPENDENCE CF SCUNC DISP TEMPERATURE CEPENDENCE OF THE DUCTIL TEMPERATURE CEPENDENCE OF THE RECOMB TEMPERATURE CEPENDENCE OF THE X+RAY TEMPERATURE CEPENDENCE OF THEPPER TEMPERATURE CEPENDENCE OF THEYDROGEN TEMPERATURE CEPENDENT LUPINESCENCE O TEMPERATURE CEPENDENT SPECTRUP OF AN TEMPERATURE CETERPINATION PROP A2II TEMPERATURE CETERPINATION PROP OH SP TEMPERATURE CIFFLSES SCATTERING OF AN TEMPERATURE CISLOCATION CECCRATION I TEMPERATURE CISTRIBLTION AND THERPAL TEMPERATURE CISTRIBLTION IN A LCW MA TEMPERATURE CISTRIBLTION IN LAMINATE TEMPERATURE CISTRIBLTION IN RADIATIN TEMPERATURE CISTRIBLTION+ISTRIBLTICNS TEMPERATURE CISTRIBLTION+SNC EXTERNAL TEMPERATURE EFFECTS ASSCCIATED WITH TEMPERATURE EFFECTS CN FREE RADICAL TEMPERATURE EFFECTS CN THE FORMATION TEMPERATURE ELECTRCCHEPISTRY 1960 TEMPERATURE ELECTRON TRAPPING LIFETI TEMPERATURE EPISSIVITIES ANCTPOSPHER TEMPERATURE EXPANSICNS OF THE SUSCEP TEMPERATURE FERROELECTRIC TEMPERATURE FERROELECTRICITY IN LITH TEMPERATURE FIELC AT HIGH LATITUDES, TEMPERATURE FIELDS CPHE TRCPOSPHERE TEMPERATURE FLUCTUATIONS CLRING GROW TEMPERATURE FORP CPAGNETIF PAGNETI TEMPERATURE FLACTICA OF THE FIRST OR TEMPERATURE GAS FLCW FACILITY FORAGN TEMPERATURE GAS PHENOMENA APR 1959 TEMPERATURE GASES + THELECTRIC TEMPERATURE GRACIENT FEB 155 + SU TEMPERATURE HEAT CAPACITIES AND THER TEMPERATURE HEAT CAPACITIES AND THER TEMPERATURE HEAT CAPACITY AND THERMC TEMPERATURE HEAT CCNTENTS CF SOPE RI TEMPERATURE HEAT CCNTENTS CF SOPE RI TEMPERATURE HEAT RESERVCIR TEMPERATURE HEAT TRANSFER PROP GASES TEMPERATURE HEAT TRANSFER TC CYLINDE TEMPERATURE HYPERSCNIC FLCW + O TEMPERATURE IN A FREEOLECULAR FLCW TEMPERATURE IN A SEPI+INFINITE, PERC TEMPERATURE IN AN IONIZEDAS TEMPERATURE IN RAPEFIED GAS FLOWSPR TEMPERATURE IN THE EXOSPHERE)1961' TEMPERATURE INFRARED CELL FOR PURE L TEMPERATURE INFRARED EPISSICN ANC AB TEMPERATURE INVERSICN PHENOPENCN IN TEMPERATURE JAN 1960+ SUBJECTED TC A TEMPERATURE KINETIC BEHAVICR OF HYDR TEMPERATURE PEASLREPENT IN A HYPERSC TEMPERATURE PEASLREPENTS PAR1961 S TEMPERATURE PCN+EQLILIBRILP STUCIF TEMPERATURE PCN+EQLILIBRILPLASPA TEMPERATURE PCN+EQLILIBRILPLASPA TEMPERATURE PCN+EQLILIBRILPCNFIGURAT TEMPERATURE CF CHACPIUPA THE SHOCK T TEMPERATURE CF CEFCRPATICN CN STRAIN TEMPERATURE CF SHCCK+HEATERYGEN TEMPERATURE CF SILVER FROP X+RAYEFLE TEMPERATURE CF SLPERCONDLCTINCLLOYS

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A CROSS SECTIONS OF THE IVI CBSERVATIONS OF STRUCTURES OF TBD AND ACIC PROPERTIES OF SHARPNESS AND CCNTRAST AN INETRODUCTION TO RELASTIC CCLLISICNS AND ISSCNFJECTION, •OPTIPLM ELECTRON CARRIER PORE ABCLT CTION OF RACIATICAPAGE , NOV 1961 A VARIABLE LIPITINGSENSITIVITY CP • CP THE VOJECTIVE SCALE AND THE THALAMUS AND GLCBUSAL• ICIORATIC•HEAT TRANSFER REGICN OPSC HEIGHORING BELOW PHYSICAL IP,MY REACTICN VEY OF RACIPTICN CAPACE TC A SINCLEPOLE EIGHT• ATED CIRCLITRY CCT 1958 RING CIRCLITS MAR 16 59 PUTER COPPCNENTSAN 1 59 LIABILITY SECRET APR 19 CIRCULAR CORBIT BY SPALL JANUARY 1961 ANALYSIS CP OCTOBER • ANALYSIS CP ALST VELCCITY FOR LCN • NCLUCINGIPING • CN THE CROITS WITH FIXED LCN EQUATIONS FCR ABITAL TRANSFER BY HIGH ITS WITH LCW TANGENTIAL ACCURACY CP APPROXIMATE IONALIBLE•PCTICN CP LCW CRET NOZZLES OF PARIPLM SCPE FEATURES CP CPEVERE AND VERY SEVERE OF SMALL BINDHEAP. THE INVESTIGATIONS CP TEXAS NING ANALYSIS OF SEVERE E STATEPENTS, WITH•1960 PILPS CP CAPPOCR AND CRAL CHARACTERISTICS CP THE RELATION BETWEEN PCCINE AND SECRETION CP THEINETIC•THE EFFECT CP CCNTRALP SECRETION CP CCNTROL CPECRETION CP NEA PIG BASIS PCR A NEW ABSTRACT EFFECT CP SECPENTS PRCP THE , JULY 1961.IZPIP•LLAAR PTPPAR • COPPCATS CN JUNEC, •SCLAR AND LLAAR THCAIR ATLANTIC RIPAN QUALITIES ANDRIPCRCIAL VALENCE BCAC AND TIC AND CYNAPIC SPEAR• TEPSAN • THE THCRY CP PERCEPTICN CP PITCH, LLUPINATICA AND READING THICKNESS AND MASS TRANSFER WITH THICKNESS EFFECT ON ABSORPTION SPECT THICKNESS EFFECTS IN FLUID FLOW THRO THICKNESS IN A HYPERSONICBZZLE MAP THICKNESS INTERACTION USING PINSTRIP THICKNESS MCDAD A BLOCKAGE PROPAGATION THICKNESS ON INJECTION RATE•PLATLATE THICKNESS•SHOCK MODES OF VIBRATION I THICKNESS, APR 1960• PERIOUS MONISPHE THIN AIRFOILS IN FLUIDS OF LARGE DUT HYPERSONAMIC FLCW ABOUT DOC AERISPP•BUCKLING OF SO ALONG • BUCKLING OF ON THE INSTABILITYP , JANUARY 16, 1961. TANGULARVEGUSTHEORY OF AT TMSOPAL STRESSES IN A GA•LINEAR COLLECTION OF WOODSCENCE INDUCED BY A AND CHARACTERISTIC CP APPLICATIONS CP • EVAPORATED 1960 INVESTIGATION OF METAL GLASSES&L•PROPERTIES OF ELECTRON SCATTERING BY DIAGNETIC MESCHANCES IN A METHCE OF PREPARING MONOSPECAP DENSITY OF AND PROPERTIES OF LARGE LEACING OCCE OF A • TLANELINEINDOLEN LIFT CCEPPICIENT OF A OF MCLECULES OF A CRACK PROPAGATION IN OCTRICAL RESISTIVITY OF VIBRATIONS OF BUCKLING OF EAL AND CPICATION CPCPE TRANSMISSION LINES WITH THEORY PCR A PARTIALLY IONIZEC • ON THE TORSION CP A CN SHEAR CENTERS OF JUL 1959. PAR 1961 IN BEAMS OF BEEP•STRESS ANALYSIS OF CP THE PARAETIZATION CP CN THE CORRECTIONS IN THE L 1962 DERIVATION OF CONCEY DEC 1958. A CROSS SECTIONS OF THE IVI CBSERVATIONS OF STRUCTURES OF TBD AND ACIC PROPERTIES OF SHARPNESS AND CCNTRAST AN INETRODUCTION TO RELASTIC CCLLISICNS AND ISSCNFJECTION, •OPTIPLM ELECTRON CARRIER PORE ABCLT CTION OF RACIATICAPAGE , NOV 1961 A VARIABLE LIPITINGSENSITIVITY CP • CP THE VOJECTIVE SCALE AND THE THALAMUS AND GLCBUSAL• ICIORATIC•HEAT TRANSFER REGICN OPSC HEIGHORING BELOW PHYSICAL IP,MY REACTICN VEY OF RACIPTICN CAPACE TC A SINCLEPOLE EIGHT• ATED CIRCLITRY CCT 1958 RING CIRCLITS MAR 16 59 PUTER COPPCNENTSAN 1 59 LIABILITY SECRET APR 19 CIRCULAR CORBIT BY SPALL JANUARY 1961 ANALYSIS CP OCTOBER • ANALYSIS CP ALST VELCCITY FOR LCN • NCLUCINGIPING • CN THE CROITS WITH FIXED LCN EQUATIONS FCR ABITAL TRANSFER BY HIGH ITS WITH LCW TANGENTIAL ACCURACY CP APPROXIMATE IONALIBLE•PCTICN CP LCW CRET NOZZLES OF PARIPLM SCPE FEATURES CP CPEVERE AND VERY SEVERE OF SMALL BINDHEAP. 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APOSR 4020
APOSR 4103
APOSA TN 60-514
APOSR 2206
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APOSR 4009
APOSR TN 59-097
APOSR 4100
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APOSR TN [illegible]
AF OSR 090
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APCL-365
APCO-TN-59-593
APOSA TN 60-1164
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AFCRC-TN-60-972
AFCRC-TN-60-160
APCRL-62-965
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APOSR 1605
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APOSA TN 59-212
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APOSA TN 60-1260
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APOSA TN 59-109
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APCRL-62-359
APOSR 1049
APOSA TN 59-1046
APOSA TN 60-629
APOSA TN 59-190
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APOSR 1160
APOSA TN 59-174
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APCRL-369
APOSA TN 60-1493
AFCRL-TN-61-204
APOSA 3105
APOSR 2459
APOSA TN 59-291
AFCRC-TR-59-364
AFCRL-TN-60-644
APOSR 1304
APOSR 90
APOSR 6199
APOSR 2614
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AFCRC-TR-60-137
ARL R070
APCRL-702
AFCRC-TN-59-764
APOSR 1589
APCRL-35
APOSA TN 59-654
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APOSR 1089
ARL 62-326
APOSR 174
AFOSA TN 60-473
APOSR 1676
AFCRC-TN 59-952
AFCRC-TN-60-399
AFCRC-TN-59-182
AFCRC-TN-59-769
AFCRC-TN-59-777
AFCRC-TN-59-352
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ARL 26
ARL 27
APOSR TN 59-929
APOSR TN 59-737
APOSR 1023
AFOSR TN 60-815
APOSR 163
AFOSR 1679
APOSR 2204
ARL-TN 60-116
ARL-P001
APCRL-927
AFCRC-TN-59-660
APCRL-62-1127
APCRL-62-847
AFCRC-62-241
APOSR TN 60-1318
ARL 62-439
APOSR TN 60-1493
APOSR TN 59-838
APOSR TN 59-838
APOSR 3644
APOSR 3616
APOSR 1036
AFOSR TN 60-75
APOSR TN 60-76
APOSR TN 60-75
APCRL-569
APCRL-866
AFCRL-62-1031
AFCRC-TN-60-217
APOSR 4057
ARL 242
APOSR TN 59-1065
APOSR 572
APCRL-62-472
APOSR TN 60-1300

STOICUTICA AND EXPERIMENTAL AIR SHOCKED WITH SOLAR COPPITPOAT IL 1961. SOLA• WASTECONTROLBOARD. I. IONOLON•A STUDY OF SOLAR CPLCNENT TYPE SUPERNOVAE AN ANALYSIS OF TH NO THEIR VARIATIONS WITH MODE•DIMENSIONAL SPACE• CLCWD AND WEATHERVANE• OF SPACE• OGICALCOCAST•POSSIBLE A AUGUSTA, 1961. THE CLASS OF PRINCIPALLY•PLAT EPPHASIS CRAE IGNITION SOURCES,LOW SPACE AND ICN IN RADIATING SOLID• LIMITATIONS FOR NIGHT• OWDY LOSED PINIPAL• 60. PINIPAL• CN PREDICACY AND SYSTEM SYNTHESIS IN THE A CCNTROL SYSTEMS -5. PIOSTESULTS •NIGHT• -5.INAL RESULTS •NIGHT• RCPING DEC 1961 THE HEIGHT CP NIGHT ALL CHEMICAL CONVERSION PHOTOGRAPHIC EXPOSURE ESTIMATES CN SWITCHING BEAD TIME AND RESCLVING CP CHEMICAL CONVERSION CHAND PACIEN RELAXATION SPARTICLE RECCMBINATION TATICA • CCPPARISCNS CP PROPTIES CP EMPTY SPACE• EFFECT CP RADIESCENCE REGLATIONS IN CCATINGLES ANALYSIS OF NIGHT• ING CP FAST HELICOPTERS BY RELAXATION THE SITTING RELATICNSHIPS AND S PACTCRPPECT•TPE TCTAL CP TEPPERATLRE ANY ICENTORRA•LINEARLY WITH THE IN THE SYNTHESIS CP ICN PROP TIN PRECLENCY• N PALLECA ALTITLCES • CP THE PINITE RISE PPLED•DATAYSTEP•PINIPAL APPLED•DATAYSTE•PINIPAL EAR NETWORKS ANCRANSFC• EAR NETWORKS ANCRANSFC• 1959 CPANCE CP RENT DURATION THE AL BASES PCR STATIONARY P LINAR PLACTICALS PCR CERRCCVAE NUCLEAPPETCT• OF NCN STATIONARY AL BASES PCR STATIONARY PPLIER, JLNE 1962. A ANFCRC UNIVERSITY REAL• SYSTEMS PAR 1961 SPCAR• E CPOTH PCPCERATIVE AND TH RANDOPIN•CCNTINLCLS THE PERCENT CP 962 NICE RANGE PRASIBLITY CP REAL• ATCR SYSTEPS MAR 1960 SICN DOWA TC PERICES • PROGRESS REPCAT I. RELEASE STLCIES I TNCONCATAINING A SINGLE CN THE SYNTPESIS CP GENERATRE BY A STLCIES II CCUPLEC A TPE AVERAGE CCLLISICN ATICN, JANLARY 29, • 96 THEORY CP LINEARIZED CPARGEE PARTICLE IN A CP PRESENTATICN CP FCUNDATICAS OF LINEAR, LTICNS TC THE THECRY CP PATP ANALYSIS CP VALLE PROBLEPS AND SPEC RAY INTENSITY WITH GRAPH THECRY PCR LINEAR WITH A PARMCNICALLY EGLATICNITP A SYNTHESIS CP PCCELS PCR DATA PROCESSING IN REAL PRCGRAP PCR A MACNETIC METHCPAGNETIC • SCALE PEAN•FIRST•PASSAGE ION OPICE•TPE LCNG RISE VIBRATICAL RELAXATICN INS MAR 1961 OCCLPATICN TERMS OF TAC RELAXATICN OF TPE RELAXATICN SPIN•LATTICE RELAXATICN A PARAMAGNETICELAXATICN ON LAST EAIT OF TPE RELAXATICN SSAGE AND SYNCHRONIZING OF A SHOCK WAVECE F SYSTEPS WITH RANDOPLY AND NETWCLS CHICE CAPE CEPEBELLAR CORTEX AS A CAPAL ANCLPERCCACELCTING ALLIC TARGETS B . LEAC• ENERGIES PCRSOTCPES CP CRCALRYL CERIVATIVES CP YLBISPENTAPLLORCET•YL• AASITICN TEPPERATLRE CP

TIME • THE EFFECT OF STIMULUSE TIME • IN THE RATE OF RESPIRATORYE TIME A PRELIPINARY STUDY DEC 1961 TIME ANALOG•DIGITAL COMPUTATION, APR TIME AND GEOGRAPHICAL VARIATIONS TIME AND RESOLVING TIME IN A PROPORT TIME AND TASK • AS A FUNCTION TIME AND TEMPERATURE DEPENDENCE OF TIME APR 59 • PARTICLE INTENSITIE TIME APR 60 • OF CONCAVE PROBLEM IN TIME CHANGES IN A TEMPORATE LATITUDE TIME COORDINATES PROTOTYPICALLY TO TIME CURVE EXTRAPOLATION IN METEOROL TIME DELAY OF THE ONS OF LINES IN TH TIME DELAY RESPONSEANDMODES SEPT 1959 TIME DELAY ZERO •• • WAVES WITH TIME DEPENDENCE OF •NUCLEAR IMPAIRED TIME DEPENDENT TEMPERATURE DISTRIBUT TIME DETECTION OF CELESTIALBODIES TIME DEVELOPMENT OF THE DEAD FROM TH TIME DISCRETE SYSTEP NOV 1960 TIME DISCRETE SYSTEP, NOVEMBER 19, I TIME DIVERSITY PROBLEMS BINARY TRANS TIME DOMAIN • PRO TIMARYING LINEAR TIME DOMAIN SYNTHESIS OF SAMPLED•DAT TIME EQUATORIAL PROPAGATION AT 50 MC TIME EQUATORIAL PROPAGATION OF 50 MC TIME ESTIMATION IN OBSLEAM INDEX SEA TIME F LAYER IRREGULARITIES AT THEOU TIME FOR ABBEL FUEL SPRAY DEC 1960 TIME FOR ASTRONOMICAL PICTURES JULY TIME IN A CIRCUIT CONTAININGNE ESAKI TIME IN A PROPORTIONALCOUNTER JAN TIME IN AIRUID FUEL ROCKET ENGINE TIME IN ANTIPERROMAGNETTICUCLS. 2H20 TIME IN AUPERCONDUCTOR FEB 1962•OBAS TIME INTEGRATED RADAR DETECTEPRECIPI TIME JULY 14 1960 SCME PRO TIME LAG ON INDEX OF REFRACTIONAYER TIME MARKOV CPAINS JUL962 TIME PISSILE TRAILS,FEBRUARY 1962. TIME OF PLIGHT INELASTIC SCATTER TIME OF THE IONOSPHERE APR I 1959 TIME OF THE OCLECULES CN THE SURFACE TIME OF TRACED ARRIVAL IN THEREEN TIME OF VARIATICA OF THE LUBRANCE A TIME ON AIRCRAFT ANCISSILE STRUCTLRE TIME ON THE SPECTRAL SHAPE OF AN INC TIME OPTIMAL CCNTROL PROBLEP TIME OPTIMAL CP BANG•BANGCALINEAR TIME PARASUG 59 • POSITICN PREDICT TIME PATTERN OF ICNIZING RADIATICA I TIME PROBLEPY PEANS OF A DISTRIBUTEC TIME REGULATCR PROBLEN FOR LINEAR SA TIME REGULATCR PROBLEMS PCR LINEAR S TIME RESPONSE CHARACTERISTICS OF LIN TIME RESPONSE CHARACTERISTICS OF LIN TIME SCALE PCR RADECV PROCESSES SEP TIME SENSE,• ANCHOR EFFECTS AND APPA TIME SERIES I OCT 5 59 EMPIRIC TIME SERIES JUL 1962 ON ESTIPATES O TIME SERIES TECHNIGLES APPLIED TO UN TIME SERIES TC THE STUDY OPERWESTAN TIME SERIES, II NCV 20 59 EMPIRIC TIME SHARING SYSTEP FOR THE PEOPLE CO TIME SPECTRUM ANALYZER NOV 61•THE ST TIME STABILITY IN LINEARTIME•VARYING TIME STEADINESS MAY 60•IN THE ABSENC TIME STOCHASTIC STORAGE PROCESSES WI TIME THE GROUND IS VISIBLEBCP AN TIME TC PULSE MEIGHT CCNVERTER FEB I TIME TRACKING•COPPUTING•PREDICTING TIME VARIABLE DYNAMICS OF HUMAN OPER TIME VARIATICN OF GLOBAL LIGHT EPIS TIME VARIATIONS IN COSPIC RYASI TIME VARYING CCNCENTRATIONCNFIGURATI TIME VARYING ELEPENT DEC 1958 • A ME TIME VARYING LINEAR SYSTEPS AUG 1959 TIME VARYING PAGNETIC FIELC, A THESI TIME VARYINGCONCENTRATION FIELD EQUAT TIME• SHOCK WAVECH TIMES SPALLER THA TIME•DEPENDACE OF NEUTRON THERMALIZ TIME•DEPENDENT BOUNCARY LAYERS JUL I TIME•DEPENDENTAGNETIC FIELD, JUNE TIME•HEIGHT REFLECTIVITYPROFILES OCT TIME•INVARIANT•PORTS, PART I, MAY TIME•OPTIMAL CCNTROL MAY 1960•CONTRIB TIME•ORDERED CONSTRUCTION ANDSEMOLY TIME•PERIODIC SCLUTIONS FOR ACNLINEA TIME•RADIATECNOSPICA VARIATIONNOF CO TIME•VARIABLE SYSTEPS SIGNAL FLCW TIME•VARYING DIELECTRIC TENSOR962. TIME•VARYING COEFFICIENT, CCTOBER TIME•VARYING LINEAR SYSTEPS THE TIME, SEPTEMBER 1962. SPEECH TIMER UTILIZING THE PROPAGATICP TIMES AND SCALE LENGTHS OF VARIABLES TIMES AND THE COLLISION THECRYP TIMES ASSOCIATED WITH GASEOUS DETECT TIMES FOR GAS PERTURBS TIMES FOR RAMRAY AND SEPI•PARROV CHA TIMES FOR SUPERCRATIC ETPER I • IN TIMES FOR THEPTICALEXICITED STATES TIMES IN BINARY SOLUTIONS FOR 1959 TIMES NOV 1959 • INTERACTION O TIMES OCT 1959 TIMES OF N•ALKYL BICPICESN TERMS CP TIMES ON AR-TSG•13 JAN 1959 RE TIMES SMALLER THAN THE AVERAGE COLLI TIMEVARYING PARAPETERSED 9 60 • O TIMING BEHAVICUR OF PONKEYS, THE TIMING ORGAN, DISCUSSION OF AI•PCTHES TIN • ABSORPTICN OF GAMMA•RAYS IN A TIN ALLOYS CRATER FORMATION IN PET TIN AND ANTIPCNY• NEUTRON SEPARATION TIN AND LEAC PERFLU TIN COPPCUNDS JUNE1960 DIALK TIN FILPSCT 1961 • TR

APOSR TN DC 1911
APOSA TN 59-097
APOSR 1910
APCRL-3000
APCRL-62-1096
APOSA TN 59-901
APOSA TN 60-872
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APOSA TN 60-464
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APCRC-TN-60-170
APOSR 451
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APOSR 3892
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APOSR 1907
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APCSR 156
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APOSR 3360
APOSR 2311
APCRL-62-873
ARL-TN 60-122
APCRC-TN-60-108
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APCRL-62-268
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APOSA TN 60-914
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APCRC-TR-59-186
APOSR 3460
APOSA TN 60-164
APCSR 426
APCRL-149
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APCRL-186)II'
APOSA TN 59-1067
APOSA TN 57-202
APCRC-TN-60-214
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APCRC-TN-60-215
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APCRL-223
APCSR 536
APCRL-TN-60-844
APOSA TN 60-1100
APCRL-636
APCRC-TN-59-615
APCRL-62-393
APOSR 2840
APOSR 2060
APOSA TN 58-722
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AFCRL-62-969
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APOSR 3051
APCRL-62-719
APCSR 949
APCRL-62-439
APOSA TN 59-91
APCRC-TN-59-175
APOSA TN 60-925
APCSR 980
APOSA TN 59-1319
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APOSA TN 59-286
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APOSA TN 59-950
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APOSR 2012

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THE EFFECT CP COMPONENT TOLERANCES ON THEMPLIFICATION OF AFOSR 3706
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S CP NIGHT•TIME PISSILE TRAILS,EBRUARY 1962. SECRET• ANALYSI AFCRL-62-268 AFOSR TN 60-043
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Y LAYER WITHSURFACE PASS TRANSFER • TURBULENT BOUNDAR AFOSR 36 AFCRL-62-851
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S WITH RACIATIVE ENERGY TRANSFER • PULTI•COPPONENT GASIFIRE AFOSR 2978 APCRL 62-1191
IOLE BOUNCARYLAYERS•HEAT TRANSFER ACROSS TURBULENT INCOMPRESS ARL 169 ARL 62-442
II INVESTIGATICNSF HEAT TRANSFER AND AERCDYNAMIC STABILITY WADD TR 59-708 AFOSR 59
FLIGHT HYPERSCNIC HEAT TRANSFER ANC BOUNDARY LAYERRANSITION ARL-TR 60-311 AFOSR 2359
RS IN THECALINE•ACTICA• TRANSFER ANC FREQUENCY•SHIFT RELATIO AFOSR TN 59-892 AFOSR 595
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BLEPS IN RACIATIVE HEAT TRANSFER APR 1959 CN SOME PRO AFOSR TN 59-531 AFOSR 1411
HEAT TRANSFER AT A CORNER FEBRUARY 1960 WADD TN 60-54 WADC TR 59-205
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PE TWO-PPAIE CCPPCSITE,... TUNGSTEN+ICREL+IRON, AUG 1962 + OP T... AFOSR 4077
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US IMPLTPCRA IRRADIATED... TUNGSTEN, DECEMPER 1961. + MOCUL... AFCRL-62-515
TPERPAL TUNING CP ALOY CPTICAL MASER... AFOSR 619
E 20+INCH+YPERSCNIC WIND... TUNNEL + RESISTANCE HEATER FOR TH... ARL P007
EPSCNIC ELCN CCNN WIND+... TUNNEL + SIMILARITYCROLEPS AT SUP... AFOSR TN 59-954
E VERY LCW CENSITY WIND... TUNNEL + RACK & NLPPER NOZZLE INA TH... AFOSR TN 59-482
N CENSITYLPERSCNIC WIND... TUNNEL + STLETES IN AN ARC HEATEC LO... AFOSR TN 60-592
CP THE SPCCH... TUNNEL ANC ITS APPLICATION TOYPERSON... ARL RC05
20+INCH+YPERSCNIC WIND... TUNNEL ANCME 3+INCH HYPERSCNIC WIND... ARL TN 2
OUTPAPTCAYPERSCNIC CLN... TUNNEL APRIL 1961 + UNIVERSITY OP S... ARL 144
F 30 INCH PYPERSCNICIDE... TUNNEL AT M10 + CHARACTERISTICS O... ARL 176
3+INCH PYPERSCNIC WIND... TUNNEL AUGUST 1961+WIND TUNNEL ANCME... ARL TN 2
GATION CP A PLASPA WIND... TUNNEL AUGUST 1962 INVESTI... ARL 62-419
TICA IN A PYPERSCNICIDE... TUNNEL AUGUST 1962 + AIR INJEC... ARL 62-394
TY+INCH PYPERSCNIC WIND... TUNNEL AUGUST 1962 + OP TPERL THEN... ARL 62-392
NTY+NCH PYPERSCNIC WIND... TUNNEL AUGUST 1962 + OP THE ARL TWE... ARL 62-393
CYPERS+SLPPORT CP SPCCH... TUNNEL DEVELOPMENT AND APPLICATION T... AFOSR TN 60-139
CUIT CCASSICRATICAS,OR+... TUNNEL DIODE CHARACTERISTICS ANC CIR... AFCRL-347(C*
OP THE BALANCEC PAIR... TUNNEL DIODE CIRCUITART I APR 1962... AFOSR 3706
CN CP THE BALANCEC PAIR... TUNNEL DIODE CIRCUITART II JUL 1962... AFOSR 3707
TICA WITH APPLICATICASO... TUNNEL DIODE CIRCUITS + PCUA... AFOSR 3705
TUNNEL DIODE DETECTCR MAY 1962... AFOSR 3626
A GENERAL SYNTHESIS CP... TUNNEL DIODE NETWORKS ANDSENSITIVITY... AFOSR 3860
A PULSE RESOLVED USING... TUNNEL DIODES... AFOSR 1029
ES, SEPTEMPER 1962. TUNNEL DIODES AT MICROWAVE FREQUENCI... AFCRL-62-579
MESIS,EC+APPLICATICA CP... TUNNEL DIODES IN LINEAR NETWORK SYNT... AFOSR 1898
NATURAL FREQUENCIES CP... TUNNEL DIODES WITH PARASITICSAY 1962... AFOSR 3908
CIRCUIT APPLICATICA CP... TUNNEL DIODES, OCTOBER 31, 1961. AFCRL-964
P CESIGN TCCPNIQLES PCR... TUNNEL DIODESCILLATCRS, APRIL 1962. AFCRC-TR-62-177
CP SLIPPER BEAPS1+BIND... TUNNEL INVESTIGATICA OP AERODYNAMICS... AFOSR/DRA-62-19
F BCCY CCPENIATRCA+BIND... TUNNEL INVESTIGATICA OF A SPIKE+BLUP... AFOSR/DRA-62-18
CN CENSITY SUPERSCNIC... TUNNEL JAN 1961 + IN AN ARC HEATEC L... AFCRL 836
EMPACE PYPERSCNIC SPCCH... TUNNEL PAR 1958 THE TAILORED+INT... AFOSR TN 59-91
NLPPER ICATCLPEC WIND... TUNNEL NCZZLE IN THE ACSERPCLNT AERON... WADD TR 60-251
CPICEN PYPERSCNICS WIN... TUNNEL SEPTEMPER 1959 + NITRCUS... WADC TN 59-377
RICE IN PYPERSCNIC WIND... TUNNEL SEPTEMPER 1962 + OP NITROUS O... ARL 62-420
ZEC AIRFLCSLL + SPCCH... TUNNEL STUDIES CP PIGH+FRTHALPY IONI... AFOSR 3025
LATE AIRFLCWS + SPCCH... TUNNEL STUDIES CP PYPERSCNIC, PLAI+P... AFOSR TR 60-142

VE INCH •YPERSONIC WIND COLANT TEMPERATUREBOUNDAR 96C •IGH TEMPERATURE N CP•BAND •EXPERIMENTAL EFFICC CP SCCILLATICN CF S IN THEYPERSONIC SPECN CRTAY • APPLICATION OF 1960 APPLICATIONS CF 23,960. APPLICATIONS CF PERT,AY•APPLICATIONS CF 31,962. APPLICATIONS CF 31,962. APPLICATIONS CF 1961. APPLICATIONS CF 1961. APPLICATIONS CF 1960. APPLICATIONS CF 61. APPLICATIONS CF . 1961. APPLICATIONS CF 196C. APPLICATIONS CF 9C, 1961 APPLICATION CF 24,961. APPLICATIONS CF N 19,96•APPLICATIONS CF PITTENT HYPERSONIC WIND ICATIONS CF PLASMA WIND TURBAL ALPPA ACTIVITY CP CALIBRATION CF CCCLING ECT GAS PARAMETERS CAUS CATA CN CCCLING INTERACTICN OF SCUNCND HE SCATTERING CPCLNG BY DISPLAYING PEATLOES CF SCATTERING OF ACISE BY THINNE • STRLCTLRE CF EFFECTS CF FREE•STREAM IES CN THE STRLCTLRE CF CP LPPER AIR PCINT CN ELVATCCIES • CF RLLERIAN SCALE CF ICENTRICY•GENERATICN CF THE ROLE CF ATMCSPHERIC CN IN A SPECN•SPECTRUM HYDROMAGNETIC CLEAR AIR E THE STLCYF SHEAR•FLCW MATHEMATICAL THEORY CF LCWS AMDP TRANSITICN TO ATMCSPHERIC WAVES.CL. II AINGUD•SCNIC SHEAR•FLCW CEAING CLE TCTMCSPHERIC WITH VPPERIN WINCS ANC CPARINAR AND TH AIR INJECTICN INTC A ANCTHER LNITFACY INJECTICLAL 1959 CN THE E PASS•THE COMPRESSIBLE CN THE COMPRESSIBLE RESEARCH CN LAMINAR ANC CF THE INTERACTICN CF A •ZONE PLAPES LILP, AUG 1961 STUDY CF THE DECAY CF SICNAL CPEA BLANERSLN • CP BURNED STABILIZED TCP.• STLCY CPNE HEAT TRANSFER RATES IN CF THE TRANSITICN TO FLC APP 1961 GRCWTH CF ELEMENTARY MECHANICS CF REAMS CF INCIPPERENTICN TRANSITICNAL, AND RS•HEAT TRANSFER ACRCSS TS IN A INCHDIMENSICNAL TRANSITICNAL AND ANALYSIS CF THE PART I, FINAL REPCRT• TFFACT•SCALE EFFECTS IN PART II • SPECTRA CF LARGE•SCALE LATER STAGES CPAMINAR• TLBBEFLECTICNS CN SCPE PROPAGATICN THACLGY A PCR THE STLCY CF IF STRELLNG VCN SCHALLN CLCSEC CIRCLIT WIAC PROFILES PCR YSTEM OF IN THE CAY AND 1962 CBSERVATICNS CF N2 JAN 60 ANALYSIS ANCISCLSSICN• RESULTS CPSERVATICNS• ALYTIC SCLLTICN PCR THE CF PERCEIVED PATTERN AT CF PERCEIVED SHAPE AT VARIATICN CF THE CE WEDGE PRCTCMETER PCR ERTICAL DISTRIBLTICN IN ERTICAL DISTRIBLTICN IN EC PRACTICAL ICRIAN-L'• FAMILY CF BEST HE GRCWTH MECHANISP AND ABILITY STLCIES PCR THE ES CEPCRPATICN CEPCRPATICN 1958 GRCWTH TICN INCCLPENT•TAPE ANC ANCMALIES IN C TRANSMITTERPARALLEL BY AP HER UND CPTISCHERIGEAS• LA EASLCPLNGEN APICS, 27 29 JUNE 1961. ARCH, APRIL 3C, 1962. IN THE VPP• CNFIDENTIAL MAR • IL' CH 19, 1961. E PHASE SHIFTER PCR THE TUNNEL SYSTEPLGLST 1959 C• TNEL TUNNEL TEST CCNDITICNS, JUN 1959 • C TUNNEL USING PLASPA GENERATCRS DEC 1 TUNNEL•DIODE CCNVERTER FOR CONVERSIO TUNNEL•DIODE OSCILLATORS PENIMUP P TUNNEL•HEAT TRANSFER TC SLENDER CONE TUNNELING TO ACTIVE DIODES FINAL REP TUNNELING TC ACTIVE DIODES, DECEMBER TUNNELING TC ACTIVE DIODES, DECEMBER TUNNELING TO ACTIVE DIODES, FINAL RE TUNNELING TO ACTIVE DIODES, JANUARY TUNNELING TO ACTIVE DIODES, JANUARY TUNNELING TO ACTIVE DIODES, JULY 7, TUNNELING TO ACTIVE DIODES, JULY 7, TUNNELING TO ACTIVE DIODES, JUNE 22, TUNNELING TO ACTIVE DIODES, MARCH 19 TUNNELING TO ACTIVE DIODES, MARCH 28 TUNNELING TO ACTIVE DIODES, OCTOBER TUNNELING TO ACTIVE DIODES, OCTOBER TUNNELING TO ACTIVE DIODES, OCTOBER TUNNELING TO ACTIVE DIODES, SEPTEMBE TUNNELS THE HCT VALVE IN INTER TUNNELS DECEMBER960•AERODYNAMIC APPL TUNSTEN SEARCH PCR THE NA TURBINE NOZZLE WITH RECTANGULARECTIO TURBINE PER PCRPANCE DEC 1959 • PERF TURBINE SYSTEP FOR PASS TRANSFEONES, TURBULENCE • RELATING TO THE TURBULENCE • INVESTIGATIONS ON T TURBULENCE A PATHEMATICAL EXAMPLE TURBULENCE • TC THEPODUCTICN AND THE TURBULENCE AND PEAN WIND PROFILES WI TURBULENCE ANC PRESSURE GRADIENT TURBULENCE AUG 31 1959 STUD TURBULENCE BY THE METHOC CPNALYZING TURBULENCE FIELC NEAR THE STAGNATION TURBULENCE PROPIVANE DATA, MARCH 3, TURBULENCE IN COUETTE FLOW BETWEEN E TURBULENCE IN THEGGLOMERATICN OF TURBULENCE INTERACTICN•••INVESTIGATI TURBULENCE JLA 1962 FINAL REPORT TURBULENCE JUNE 1959 TURBULENCE 1961. • EXPANSIONS T TURBULENCE. PART I. ASYMPTCTICPANSI TURBULENCE•CP STABILITY CF LAMINAR F TURBULENCE, APRIL 1961. TURBULENCE, EXPERIPENT DESIGN, ANC TURBULENCE, JUNE 1960. • CONCER TURBULENCE, NCVEMBER 1961.•BEAM BROA TURBULENCE, SEPTEMBER 1, 1960. TURBULENT AIR FLCW IN A TUVE WITH TURBULENT BCLNDARYER AUG 1961 • WI TURBULENT BCLNCARY LAYER JUN 1959 TURBULENT BCUNDARY LAYER WITH FLUID TURBULENT BCUNDARY LAYER WITH SURFAC TURBULENT BCUNDARY LAYER WITHSURFACE TURBULENT BCUNCARY LAYERS ANDRANSITI TURBULENT BCUNDARYYER WITH PRANDTL• TURBULENT BURNING VELOCITIES OF CORE TURBULENT DECAY IN AIR, ARGCN AND HE TURBULENT ENERGY INEVERAL GASES AND TURBULENT FLAPS STUCIES IN TWC•DIPEN TURBULENT FLAPESN PREMIXEC REACTANTS TURBULENT FLAPE PROPERTIES CP ELEMEN TURBULENT FLCW AND NCR•NEWTCNTANLLIO TURBULENT FLCW INDISEUILLE FLCW IN TURBULENT FLUCTLATICNS IN FREE SHEAR FLUID MCTION MAR 1960 TURBULENT FREE PIXING OF PARALLEL ST TURBULENT HEAT TRANSFER TC AONE•CYLI TURBULENT INCCMPRESSIBLE BCUNCEARYAYE TURBULENT JET APR 1962 PEASUREMEN TURBULENT MASS TRANSFER COOLINGPERI TURBULENT PIXING OF REACTIVEASES TURBULENT PIXING OF STREAMS OFIFFERE TURBULENT SHCCK WAVE BCUNCARY LAYERN TURBULENT TRANSFER FROP ISCTHERMALPA TURBULENT TRANSFER CF PCPERATURNC TURBULENT TRANSITICN ON A FLAT PLATE TURBULENT TRANSITICN QUANTITIES TURBULENT TRCPCSPHERIC LAYER MAY30 TURBULENT WINDGACING ON MISSILES, TURBULENTEN STREPUNC • UBER D TV SYSTEP, ANCCTCBER 1960)CONFIDENT TWENTYCFTHERN HEPISPHERE STATIONS, TWILIGHT AIRGLCW, CCTOBER 1962. • S TWILIGHT AND SCALIT AURORA, MAY 15, TWILIGHT INTENSITY AT 2CB ELEVATION TWILIGHT INTENSITY AT 2CB ELEVATION. TWILIGHT INTENSITY AT 2CB ELEVATION. TWILIGHT INTENSITY 1958 • THEN TWILIGHT LUMINANCES SMALL CIRCULAR TWILIGHT LUMINANCES1 BLUE RED GREEN TWILIGHT SOCILP AIRGLCW INHE SOUTHER TWILIGHT SOCILP MAY 1959 INTERFEREN TWILIGHT 1960 • OF THE V TWILIGHT. 196C • PEASUREMENT OFHE V TWIN CONVERGENCE REGIONS FCR CONTINU TWIN CONVERGENCEEGICNS FOR CONTINUED TWIN HABITS CPA2 TIP 209 NCV 1961• T TWIN WHEEL LANDING GEAR.ECEMBER 1960 TWINNING IN ALLOYS AT LCW TEMPERATUR TWINNING IN J B.C.C. METALS TWINNING IN ZINC SINGLE CRYSTALS AUG TWINS IN INDIUM ANTIMONIDE NOV 1960 TWISTED YAGI ANTENNAS DEC 1958 TYPEWRITER PLAN A METHOD FOR COUPERA TYPHOON DEVELOPPENTIN THE WESTERN TYRAMINE • PROP ADRENERGI UBER DIE DARSTELLUNG VON SPINCREN IN UBER DIE DRUCKABHANGIGKEIT ELECTRISC UBER DIE STRELLNG VCN SCHALLN TURBUL UCLA, LA, CALIP•CN ANALYTICALSTRUCYN UHF FERROELECTRIC PHASE SHIFTER RESE UHF FREQUENCY RANGES, MAY 1, 1961. UHF FREQUENCY SHIFT KEYED RECEIVER C UHF PHASE SHIFTER FINAL REPORT, MAR UHF REGION PART II CCT 31 59 FERRIT CP•BAND FREQUENCIES TO N SCLUTICN CP ORNITEIN• RIEV CPP•ILTER CENTER AN FACTORS INLCEN ANC NCR• NOER PERYLBBATICNSAB • MULTIPLE STIPULU• TICN OCT 59 RESEARCH ON TECHNIQUE FOR HIGH AND OY CP THE PROPERTIES CP PRESSLOE CHEMISTRY I CP THE IPPACT OF ATEC•SCFT •ORAY ANC FOR CHEMICAL PROCPERTS AS 61. CAPERA CBSERVATICNS CF SURFACE STRUCTURE USING CHANISM CP CRATERING IN PORIZATICN ACCCPPANYING IN THE PREPARATICN CP EC 1958 TYREC•CN THE NATURE OF REFLECTICN CP SCLAR E SLPPORT PRINCIPLE FCR ANVILS FCR ANVILS FCR ANVILS FCR ANVILS FCR CY CP THE PROPERTIES CF 1962 MICRCANALYSIS WITH ENTS AUG 1959 NVESTIGATICN OFLECTA•AN AN 1962 CCVING NEAR A VIBRATING RTIES OFFE•INFLLENCE CP MEAN SLPPABILITY FCR OF RESISTANCE IN CONDUCTICN PECHANISP IN CTCPETER FCR THE VACLLP PLATES PCASE IN THE FOR IC OXIDECLL•CN THE NEAR LIDES JLL 1959 L • PHOTCICNIZATICN ANC FLUCROACETONE • VACLLP INCHITRILE•INFRAREC AND CIPOLE PCPENT • VACLLP HCSGENEANLARY • VACLLP RARE GASES NEN VACLLP ILES SPECTRES CESSTRES• SPIN RESCNANCE CF IN THE EXTREPE A SIMPLE PULSED CTRES DES ASTRES CANS L PECTRES CESSTRES CANS L BY SCLAR EXTREPE CENCE INCLCED BY VACLLP 31 59 SCLAR PERICD CCVERINGED•SCLAR PHETRICAL INTENSIT CF SPECTRAL INTENSITY CF BCTIESEVCILLTICN • PAR ME • THE ECLELIBRIA ANC TICN CP GASEOLSP••VACLLP REPTUM VAPCR TYPE INVESTIGATICN CP NEAR PRESSURE ON THE NEAR ANC TECHNIQLES INPE NTS OF C2 IN THE VACLLP Y PCR PETALS IN THE PAR SCPALLN•EXPERIPENTELLE • EXISTENCE C• SISTEMA CI SU LE REGLICC•ESISTENZA CI SS TRANSFER EXPERIPENT, NEUBCPISICLCCICC C• OPTIC CORTEX INPE ICAL PCTENTIALS IN FREE BETWEEN SCLICS V. BETWEEN SCLICS III DETECTICN CP SIGNALS CF IN SYSTEPSNALYSIS PAPY• PART IILPPER CF PROGRASSEIRPC 56'.) RC V.C CCNFICENTIAL REPORT) AL REPCRT CCNNGRACEC TO LCEEC 196CCCNNGRACEC TO PLASPA JET 1961 CN THE VISCCSITIES CF SCPE OF JETSACP HIGHLY SPIC•INITIAL STLCIES CF E CP TECTCNIC STRATA BY TECHNIQLES APPLIEC TO NUMERICAL STLCIES CN CN INTEGRATICN I.P TYE ON THE ASSLMPTICNS CH CN NELPAL MECHANISPS THE NELPAL MECHANISPS CRAL •NELPAL MECHANISPS SLRVEY CF THE THECRIES THERMIOTICRY MECHANISPS CIRCULAR TCBLS PEPORANE EAP CURRENT IN AXCMETIC FRCP A PICACHAVE CASIS• ACPHYSICLE•RECHERCHE C• ERY PROTCN ACCELERATCR, FFECTS IN THE C•REGICN, DISK LCACED WAVEGUIDE, ARAPAGNETIC RELAXATICN, C RESCNANCE PROPERTIES, CLEAR INFRARED SCLACES, ACAIC VERNELIL FLONACE, E ANTENNA MAY 21, 1962. MINIATURIZEC RECEIVERS, , 1960 • JUNE 3C, 1962, OLEAN FUNCTICNS)TRANS• UHF, DECEMBER 1962. • PCR CONVERSION UHLENBECK PROCESSES PASTER EQUATIO UKRAINE SSR' NOV 59 • AT THE ULCER PATIENTS • PSYCHOLOGICAL ULTIMATE BOUNDEDNESS ANC STABILITY U ULTIPLE RESPONSE DEPANCS JUN 1962 ULTRA ENERGY FUELS FOR ROCKET COMBUS ULTRA HIGH TEPPERATURES APR 1959 ULTRA HIGH VACLUMPPLICATIONS, SEPTEM ULTRA PURE NICKEL DEC 19 59 STU ULTRA RAPOD RATES AT VERY HIGHPRESSUR ULTRA VELOCITY CCPPERNTC COPPER ULTRA VIOLET SPECTROSCOPY FINAL REPO ULTRA•ENERGY PROPELLANTS NCV 59BSTRA ULTRA•HIGH PRESSURE RESEARCH JUNE 19 ULTRA•HIGH VELOCITYPENETRATION IN ULTRA•HIGHACLUM REPLICATION • OF ULTRA•HIGHVELCCITY IPPACT JAN 1959•PE ULTRA•HIGHVELOCITY IPPACT JAN 1960•VA ULTRA•PURE PETALS JLLY960 ULTRA•SMALL ANGLE X•RAY SCATTERING O ULTRA•VIOLET LIGHT WHICH ACCOMPANIES ULTRA•VIOLET RADIATICNA THE PRESENCE ULTRA•VIOLET PRESSURE ANVILS, JUNE 1962. ULTRAIGH PRESSURE APPARATUS, JUNE ULTRAIGH PRESSURE APPARATUS, MARCH ULTRAIGH PRESSURE APPARATUS, MARCH ULTRAIGH PRESSURE APPARATUS, SEPTEMB ULTRAPURE NICKEL JAN 1960 STU ULTRASOFT X•RADIATICNS JAN ULTRASOFT X•RAY INTERACTION COEFFICI ULTRASOFT X•RAY MICROSCOPY MAY 1961 ULTRASONIC CN SPECTROMETER FOR THE I ULTRASONIC DELAY LINE DEVELOPPENT, J ULTRASONIC TOOL TIP MICROSCOPIC E ULTRASOUND CN CERTAIN PHYSICAL PREPE ULTRASPHERICAL POLYNOMIALS APR 1960 ULTRATHIN,VAPCRATED METAL FILPS. ULTRATHIN,VAPCRATEC METAL FILPS, ULTRAVIOLET A REFLE ULTRAVIOLET • ANC RETARDATION ULTRAVIOLET ABSCRPTION BANCS OF NITR ULTRAVIOLET ABSCRPTION IN HALLOUS HA ULTRAVIOLET ABSCRPTION PROCESSES,INA ULTRAVIOLET ABSCRPTION SPECTRA OFEXA ULTRAVIOLET ABSCRPTION SPECTRA OFNAM ULTRAVIOLET ABSCRPTION SPECTRUM AND ULTRAVIOLET ABSCRPTION SPECTRUM OF P ULTRAVIOLET EPISSION CONTINUA IN THE ULTRAVIOLET EPISSICA IN THE AURORA. ULTRAVIOLET IRRACIATEDCPPCUNDS I. ULTRAVIOLET JULY 1956•MAR 1959F ULTRAVIOLET LIGHT SCURCE SEP 1958 ULTRAVIOLET LICINTAIN',961. • SPE ULTRAVIOLET LCINTAIA', 1961.• ILES S ULTRAVIOLET RADIATICN, 1960. ULTRAVIOLET RADIATICNARCH 20, 1961. ULTRAVIOLET RESEARCH JAN 1 97 • DEC ULTRAVIOLET RESEARCH, FINAL REPORT, ULTRAVIOLET SKY RADIATION,EPTEMBER ULTRAVIOLET SKYNO SLN / SRY RADIATIO ULTRAVIOLET SPECTRA OF ASTRCHEMICAL ULTRAVIOLET SPECTRA OF N, HE I, AND ULTRAVIOLET SPECTRCGRAPHIC INVESTIGA ULTRAVIOLET SPECTRLP OF DIBENZENE CH ULTRAVIOLET SPECTRLP OF HE II MAR 19 ULTRAVIOLET TRANSMITTING LIQUIDS ULTRAVIOLET VAPCRBSCRPTION SPECTRUM ULTRAVIOLET, VISIBLE AND SLORILLIPET ULTRAVIOLET,ECEMBER 1961.• COEFFICIE ULTRAVIOLET,CVEMBER 1961. • THEOR UN ERSUCHUNGEN UBER DIE STREUUNG VON UN FOYER DE PROJECTIONENSCRIELLE UN PROBLEPA AL CONTCRNO RELATIVO AL UN VERC RIPLESSC PUPILLARE CONSENSUA UN 1959 • ICOG. D•T•29C' LSEC IN MA UNA REAZIONE EPCTIVA NELAINGUELLO UNANAESTHETIZED RABBIT CURING VISUAL UNANESTHETIZEC CATS SCPATIC CORT UNCATALYSED, CATALYSEDNO INHIBITEC UNCATALYZED AND INHIBITEDREACTION OF UNCERTAIN FREQUENCY SEP 1959 UNCERTAINTY CCNCEPTS FCR ALLPICATION UNCHARGED PARTICLES IN PER CENT OF UNCLASSIFIED EXCERPTS FROP THERCCKED UNCLASSIFIED V. 2 CONFICENTIAL V. O UNCLASSIFIED VERSICAUBLISHEC 1959 UNCLASSIFIEC 27 MAR 63 • CONFIDENTI UNCLASSIFIED 8 FEB 1962'• DEVICES JU UNDAPPED WAVES IN AN INFINITELY LONG UNDERCOOLED LIGUID ALKYL HALIDES UNDEREXPANDED NOZZLES, JUNE 1961. UNDERGROUND NUCLEAR DETECTION WITHEI UNDERGROUND NUCLEAR EXPLOSICN•RELEAS UNDERGROUND NUCLEARETECTION AND UNDERGROUND NUCLEARETECTION AND UNDERLYING CONVERGENCEMCREEP • NOTES UNDERLYING DROPLET VAPORIZATION UNDERLYING PERCEPTICN AUG 62 RESEAR UNDERLYING PERCEPTICNINAL REPORT UNDERLYING THE ENDURING EEG ANDEMAVI UNDERLYING THE MEASUREPENT CPLASMA UNDERLYING THE PRODLCTION OF SLEEP UNDERNTERNAL PRESSURE FINAL REPORT UNDULATOR • CP POWER RADIATED ON B UNDULATOR EXPERIPENTS AND HARMONICS UNE METHODE D•APPROCHE DE L•ACTIONNEU UNE 1, 1960. • OF A SIMPLE IO UNE 1, 1960. • STUDY OF SUNRISE E UNE 1, 1961.• INPUT SUSCEPTANCE OF A UNE 1, 1962. • STUCIES OF P UNE 10, 1960. • OF PERROPAGNETI UNE 10, 1961. SECRET, RE • OF NU UNE 15, 1961. DEVELOPPENT OF ELECT E ANTENNA MAY 21, 1962. • GAIN OF APERTUR UNE 16, 1961.•OF TRANSISTORIZED AND UNE 18, 1962. • COVERING MARCH 15 UNE 1960 CN GROUP INVARIANCE OF BO

ON FOR USE IN AIRCRAFT, NAVE 1960. • OF AN OZONE ANALYZ AFCRL-TR-60-202
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N CCEING AND DIVERSITY, NAVE 1962.• POWER IMPEDANCEPRT THROUGH AFCRL-62-383
1962 TO 31 MARCH 1962. NAVE 1962.•PROGRESS REPORT, 1 JANUARY AFCRL-62-919
NDS OVER NORTH AMERICA, NAVE 22, 1960. • OF STRATOSPHERIC WI AFCRL-TN-60-490
IGH, AND PERCELLAPERVS, NAVE 30 1962. SECRET • EXPERIMENT 005 AFCRL-62-971111'
S FOR PRINTED CIRCUITS, NAVE 30, 1960. • TEMPERATURE RESISTOR AFCRL-TR-60-372
PAGATION, FINAL REPORT, NAVE 30, 1961. • IN IONOSPHERIC PRO AFCRL-923
1, 1961•JLAB DC, 1961. NAVE 30, 1961.• PERIOD COVERING APRIL AFCRL-567
BABILITY, FINAL REPORT, NAVE 30, 1962. SECRET • DEPOSED VOLNE AFCRL-62-971311'
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TRAILS, IN THE CASE OF NAVIFORM DISTRIBUTION OFEOCENTRIC AFCRL-62-127
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E NCH NAVIFORM ILLUMINATION AND READING TIP APOSR TN 60-1300
AVER ON A FLAT PLATEITH NAVIFORM INJECTION, PAR. 1958 • L APOSR 4104
LEAMPULSICASOA STUCY OF NAVIFORM ISOTHERPAL PROCESSING OF NUC APOSR TN 60-1391
CY IN THE PRESENCE OF A NAVIFORM MAGNETIC FIELD APOSR 61
D WAVE IN A PLASPA IN A NAVIFORM MAGNETIC FIELD A RADI APOSR 3907
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IC WAVES BY ALASPA IN A NAVIFORM MAGNETIC FIELD, 1961.•OF RAD AFCRL-760
FIELD OF A PARTICLE IN NAVIFORM MOTION AND UNIFORMCCELERATED ARL 103
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ASTRONPY AT MILLIMETER WAVELENGTH APR 1962 RADIO AFOSR 3201
THE CCNPARTMENT CLTCPF WAVELENGTH CP A LUNAR LINE, FEBRUARY AFCRL-133
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LSTCOPS PAY 1960 PULTI+ WAVELENGTH RACAR REFLECTIVITY OP MAI AFCRC-TN-60-429
LIEBRUARY 1958, IN THE WAVELENGTH RANGE 3710+4420 A. 1959 AFCRC-TN-59-207
P FEB 10-11,958, IN THE WAVELENGTH RANGE 7300+8700 A 1960+ O AFCRC-TN-60-209
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NC GLIDECLECTROPAGNETIC WAVES + BETWEEN COLD PLASPAS A AFOSR TN 60-561
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I THCOVIET +ATMCSPHERIC WAVES FROP NLCLEAR EXPLOSICNS, MAY 1 AFCRL-62-816
962. ATMCSPHERIC WAVES GUIDED BY ALASPA LAYER DECEMBE AFCRL-62-135
OP ELECTROPAGNETIC WAVES II + BETWEEN COLD PLASMAS A AFOSR 2771
NC GUIDECLECTROPAGNETIC WAVES IN A GAS WITHPARIABLE CONDUCTIV AFOSR 3701
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ANC SPACE CHARGE WAVES IN A SHOCK TUBEEBRUARY 1962. AFCRL-62-416
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ICA OF FINITE+APPLITLCE WAVES IN A WARP PLASMA BY AN ELECTRI AFCRL-62-737
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THE KINETIC THECRY CP WAVES IN AAGNETIC ANNULAR SHOCK AFOSR TN 59-845
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OP ACIBATIC WAVES IN ALASSICAL GAS DEC 59 + TR AFCRC-TN-59-642
EATMENT CP STRONG SPECN WAVES IN AN ANTIFERROMAGNET WITH S=1 AFOSR 3058
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ET 1961 CN UNCAPPED WAVES IN ANISCTHCPIC MECIA ANC THEES AFCRL-62-794
OLLTION +LAICIRECTICAL WAVES IN ANCAIZEC MEDILP. A DYNAMICA AFCRC-TR-59-403
ANC ACCLSTIC WAVES IN ARGCN PAR 1960 ELECTRON D AFOSR TN 60-334
IPPLSICN AREAC CP SPECN WAVES IN COLLISICN+FREE PLASMAS AUG AFOSR 1173
1961 SPECN WAVES IN ELECTROPAGNETIC PHENCMENA, AFCRL-62-908
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CP ELECTROPAGNETIC WAVES IN INHCPCGENECUS SYSTEMS1961' AFCRL-703
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PING OF CIRCUIT ANC ICN WAVES JAN 1960 LANGAU CAM AFOSA TN 60-141
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D APPLICATICNS CP SPECN WAVES OCT 1960 SCPE PROPERTIES AN AFOSR TN 60-1185
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